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Tuesday, August 22, 2023
Regular City Council Meeting August 22, 2023

City Council Chambers, Room 108
200 South Illinois Avenue
Carbondale, Illinois 62901
6:00 p.m.

1. Preliminaries to the City Council Meeting

Subject	1.1 Roll Call
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Procedural

1. Preliminaries to the City Council Meeting

Subject **1.2 Citizens' Comments and Questions**

Meeting Aug 22, 2023 - Regular City Council Meeting August 22, 2023

Type Procedural

Citizens may address the City Council for up to four minutes on any agenda item. Public comments will be accepted for a maximum of 30 minutes per item. Those wishing to address the City Council should raise their hand to be recognized by the Mayor prior to approaching the podium. Speakers should provide their names for the minutes and end their comments when the four-minute time limit is announced. The Council may suspend or waive the speaker time limit with the consent of a majority of Council members present and are not required to respond to public remarks during the meeting.

1. Preliminaries to the City Council Meeting

Subject **1.3 Council Comments, General Announcements, and Proclamations**

Meeting Aug 22, 2023 - Regular City Council Meeting August 22, 2023

Type Procedural

General Comments from the City Council and City Manager. Proclamations, Special Recognition, and Oaths of Office will periodically be administered at this time.

1. Preliminaries to the City Council Meeting

Subject **1.4 Proclamation for National Payroll Week**

Meeting Aug 22, 2023 - Regular City Council Meeting August 22, 2023

Type Procedural

Originating Department: Mayor's Office

Background: A Proclamation declaring September 3 - 9, 2023 as National Payroll Week

File Attachments

[Proclamation for National Payroll Week, 2023-08-22.pdf \(87 KB\)](#)

2. Public Hearings and Special Reports

Subject **2.1 Discussion on Project and Material Bidding Process**

Meeting Aug 22, 2023 - Regular City Council Meeting August 22, 2023

Type Discussion

Goals

- Goal #1: Provide a high quality-of-life and foster a sense of community for all residents
- Goal #2: Establish programs, processes, and networks to address diversity, inclusion, equity, and justice
- Goal #3: Demonstrate fiscal responsibility and transparency while providing high-quality City services
- Goal #5: Provide high-quality City infrastructure

Originating Department: Finance/Human Resources

Background:

City Staff is presenting a discussion on the bidding process for capital projects and purchase of materials. Attached for discussion and review is a guided outline of the current processes and their interaction between the City's Finance and Human Resources Department to maximize the utilization of Disadvantaged Business Enterprises while meeting the City's needs when it comes to construction projects and materials.

The attached Powerpoint presentation will be moderated by the City's Purchasing/Risk Management Specialist, Christi Green and the City's Diversity, Equity, and Inclusion Coordinator, Sharonda Cawthon.

Opportunities for questions will be provided after the presentation.

Relevant Hyperlinks:

- * [On-line Sign up for Bid Notices](#)
- * [On-line Sign up for Bidder/Vendor Registration](#)
- * Plan Houses (non-exhaustive list)
 - * [SIBA](#)
 - * [Dodge Data](#)
 - * [Prime Vendor](#)
 - * [Construct Connect](#)
- * [State DBE Listing](#)
- * [State DBE Certification](#)
- * [SIU Dunn-Richmond Center](#)

File Attachments

[Bidding and DBE City Council Presentation 2023-08-22.pdf \(2,158 KB\).](#)
[Exhibit A - Formal Contract Procedure 2023-08-22.pdf \(26 KB\).](#)
[Exhibit B - Authorization to Bid 2023-08-22.pdf \(185 KB\).](#)
[Exhibit C - Invitation for Bid Newspaper 2023-08-22.pdf \(117 KB\).](#)
[Exhibit D - Bidder.Vendor Registration Form 2023-08-22.pdf \(144 KB\).](#)
[Exhibit E - Bid Certificate 2023-08-22.pdf \(18 KB\).](#)
[Exhibit F - Invitation for Bids 2023-08-22.pdf \(99 KB\).](#)
[Exhibit G - Plan Holders List 2023-08-22.pdf \(114 KB\).](#)
[Exhibit H - Pre-Bid Open Sign In 2023-08-22.pdf \(51 KB\).](#)
[Exhibit I - DBE Workforce Goals 2023-08-22.pdf \(277 KB\).](#)
[Exhibit J - Addendums 2023-08-22.pdf \(1,431 KB\).](#)
[Exhibit K - Bid Open Sign In 2023-08-22.pdf \(50 KB\).](#)

[Exhibit L - DBE Contractor Utilization 2023-08-22.pdf \(237 KB\).](#)
[Exhibit M - Bid Tab 2023-08-22.pdf \(46 KB\).](#)
[Exhibit N - Notice of Award 2023-08-22.pdf \(124 KB\).](#)
[Exhibit O - Contract and Contract Bond Corporation 2023-08-22.pdf \(216 KB\).](#)
[Exhibit P - Notice to Proceed 2023-08-22.pdf \(70 KB\).](#)
[Exhibit Q - DBE & Workforce Participation Goals in Contracts 2023-08-22.pdf \(674 KB\).](#)

3. Consent Agenda of the City Council

Subject	3.1 City Council Meeting Minutes from August 8, 2023
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Approve the minutes from the regular City Council meeting of August 8, 2023
Originating Department: City Clerk's Office	

File Attachments

[Regular City Council Meeting Minutes 8 August 2023.pdf \(307 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.2 Approval of Warrant for the Period Ending: 08/04/2023 for the FY 2024 Warrant 1465 in the Total Amount of \$1,363,343.81
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Accept the following report of payments made for the period ended: 08/04/2023 totaling \$1,363,343.81
Goals	Goal #3: Demonstrate fiscal responsibility and transparency while providing high-quality City services
Originating Department:	Finance
Background:	

File Attachments[Warrant 1465 2023-08-22.pdf \(350 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.3 Approval of Wells Fargo Warrant for the Period Ending 06/30/2023 FY 2024 Warrant # WF 06/2023 in the amount of \$186,345.30
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Accept the following report of payments made for the period ended: 06/30/2023 totaling \$186,345.30
Goals	Goal #3: Demonstrate fiscal responsibility and transparency while providing high-quality City services

Originating Department: Finance

Background:

File Attachments

[Wells Fargo 06-2023 2023-08-22.pdf \(207 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.4 Appointments to Boards and Commissions
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Council is requested to concur with Mayor Harvey's recommended appointments to Boards and Commissions.
Originating Department: Mayor's Office	
Background: Mayor Harvey recommends the following appointments to Boards and Commissions:	
Human Relations Commission: Appointment of Jacob Bowers to serve as an SIU student representative for a term ending May 31, 2024.	
Planning Commission - Zoning Board of Appeals: Appointment of John Shukites to fill an unexpired term ending January 31, 2024.	

3. Consent Agenda of the City Council

Subject	3.5 Acceptance of Approved Meeting Minutes from Boards, Commissions, and Committees
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Accept the Approved Meeting Minutes from Boards, Commissions, and Committees and Place them on File.

Originating Department: City Clerk's Office

Background:

Attached for City Council review and acceptance are approved meeting minutes from the following Boards, Commissions, and Committees:

Foreign Fire Insurance Board - June 8 and June 29, 2023

Board of Fire and Police Commissioners - May 18, 2023

Police Pension Board - April 18, 2023

Firefighters Pension Board - April 18, 2023

File Attachments

[Foreign Fire Insurance Board Meeting Minutes 2023-06-08.pdf \(281 KB\)](#)

[Foreign Fire Insurance Board Meeting Minutes 2023-06-29.pdf \(278 KB\)](#)

[Board of Fire and Police Commissioners Meeting Minutes 2023-05-18.pdf \(227 KB\)](#)

[Police Pension Fund Meeting Minutes 2023-04-18.pdf \(710 KB\)](#)

[Firefighters Pension Board Meeting Minutes 2023-04-18.pdf \(428 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.6 Approve the 2024 Calendar of City Council Meetings
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Approve the calendar of regular City Council meetings for 2024
Originating Department: City Clerk's Office	

Background:

The Illinois Open Meeting Act (5 ILCS 120/2.02) requires that each public body give public notice of the annual schedule of the regular meetings. Adoption of the calendar does not preclude the City Council from holding special meetings or from canceling or rescheduling regular meetings with appropriate notice as required by the Open Meetings Act. The proposed 2024 Council Calendar includes 23 meetings.

File Attachments

[2024 City Council Calendar.pdf \(75 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.7 Resolution Adopting the Updated Jackson County Multi-Hazard Mitigation Plan
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Approve a Resolution Adopting the Updated Jackson County Multi-Hazard Mitigation Plan
Goals	Goal #7: Build on, expand, and develop new relationships with SIU and other regional entities Goal #5: Provide high-quality City infrastructure

Originating Department: Fire Department/Office of Emergency Management

Background:

On September 25, 2009, the Federal Emergency Management Agency (FEMA) approved the Jackson County Hazard Mitigation Plan (MHMP), which was adopted by the City of Carbondale on December 15, 2009, amendments adopted November 27, 2012, and amendments adopted on August 30, 2016. The purpose of mitigation planning is for State, local, and Indian tribal governments to identify the natural hazards that impact them, to identify actions and activities to reduce any losses from those hazards, and to establish a coordinated process to implement the plan, taking advantage of a wide range of resources. (Stafford Act Title 44, Chapter 1, Part 201).

Hazard mitigation planning is required by the Disaster Mitigation Act of 2000 (DMA), which replaced the Stafford Act. Local, tribal, territorial, and state governments must adopt hazard mitigation plans and update them every five years to be eligible for FEMA grant and insurance programs. This MHMP, adopted by Jackson County and all jurisdictions within, fulfills the requirements of the DMA, which amends section 322 of the Stafford Act, 42 U.S.C. 5165.

File Attachments

[Exhibit A Jackson County MHMP 2022 - FINAL 2023-08-22.pdf \(9,588 KB\)](#)

[Resolution Adopting Updates to the J.C. Disaster Mitigation Plan 2023-08-22.pdf \(9 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.8 Resolution Authorizing the City Manager to Enter into the Mutual Aid Box Alarm System Master Agreement
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Approve a Resolution Authorizing the City Manager to Enter into the Mutual Aid Box Alarm System Master Agreement
Goals	Goal #7: Build on, expand, and develop new relationships with SIU and other regional entities Goal #5: Provide high-quality City infrastructure Goal #3: Demonstrate fiscal responsibility and transparency while providing high-quality City services
Originating Department:	Fire Department

Background:

On March 1, 2005, the City of Carbondale approved an ordinance authorizing the City Manager to enter into an agreement with the Mutual Aid Box Alarm System (MABAS). MABAS-IL is the sanctioned organization for coordinating mutual aid responses within the state deriving its authority from statute (5 ILCS 220/5); the Intergovernmental Cooperation Act. MABAS is an organization that provides the structure for a comprehensive and reliable method of acquiring resources when a local jurisdiction's personnel, equipment and training are insufficient to effectively mitigate an incident. On December 16, 2014, the City of Carbondale entered into the first addendum to the MABAS agreement.

In 2019 MABAS-IL started a complete revision of the 1988 MABAS Master Agreement to address changes in emergency response, certifications, and liability tort immunity protection, which are especially critical when resources are sent outside of the state of Illinois or received from surrounding states. Other important changes include a single agreement that is to be used by all states and allowing membership by Federal, State and local governments, as well as non-governmental organizations (NGOs). The revisions also align the agreement with the National Incident Management System and Interstate Mutual Aid laws and provides for third party recovery under spiller pays, technical rescue recovery and patient billing. Finally, the agreement streamlines the process for individual states to participate in the MABAS system through a network of divisions within a state chapter.

File Attachments[Exhibit A MABAS New Master Agreement 2023-08-22.pdf \(1,050 KB\)](#)[Resolution Authorizing the City Manager to Enter into the Mutual Aid Box Alarm System Master Agreement 2023-08-22.pdf \(15 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.9 Ordinance Authorizing the Acceptance of an Award from the Department of Energy's "Energizing Rural Communities American Made Challenge" in the Amount of \$100,000 and Approving a Budget Adjustment to Increase the Support Services FY2024 Budget in the Amount of \$100,000
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Accept Award from the Department of Energy's Energizing Rural Communities American Made Challenge in the Amount of \$100,000 and Approve a Budget Adjustment to Increase the Support Services FY2024 Budget in the Amount of \$100,000
Goals	Goal #7: Build on, expand, and develop new relationships with SIU and other regional entities Goal #6: Enhance residential development/rehabilitation Goal #5: Provide high-quality City infrastructure Goal #4: Encourage progressive economic development, tourism, arts, and entertainment Goal #3: Demonstrate fiscal responsibility and transparency while providing high-quality City services Goal #2: Establish programs, processes, and networks to address diversity, inclusion, equity, and justice Goal #1: Provide a high quality-of-life and foster a sense of community for all residents

Originating Department: Community Development Services | Sustainability

Background:

The City of Carbondale, in partnership with the Jackson County community the Village of Dowell, is one of only sixty-seven winners nationally in the first phase of the US Department of Energy's \$6.7M Energizing Rural Communities Prize. This prize challenges individuals and organizations to develop partnership and financing strategies to improve energy systems and advance clean energy demonstration projects in rural communities. Each of the awardees will receive \$100,000 in-kind-mentorship services and eligibility to compete in phase two of the prize to win an additional \$200,000.

This award is part of the \$150M+ American-Made Challenge, a series of prize competitions offered in partnership with the National Renewable Energy Laboratory (NREL) that are designed to incentivize the nation to re-energize innovation and re-assert American leadership in the energy marketplace.

The City of Carbondale intends to use the funds awarded to conduct concurrent legal and technical analysis of what city staff have coined the Energy Sovereignty, Security, & Democracy Proposal, a revenue-positive and replicable rural energy system model that fosters equitable self-sufficiency and energy independence.

In July 2023, a notice of the prize award was received from the American Made Challenge in the amount of \$100,000 - to be divided evenly with sibling Jackson County community, the Village of Dowell, IL. This is a no-match prize.

File Attachments

[Exhibit A ERC Award - Energy Sovereignty 2023-08-07.pdf \(16 KB\)](#)

[Ordinance Authorizing the Acceptance of a \\$100,000 Prize from the DOE and a BA to increase the Support Services Budget 2023-08-22.pdf \(264 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.10 Award of Contract for CIP Project ST2402 - Pinewood Drive Resurfacing to Samron Midwest Contracting of Murphysboro, Illinois in the Amount of \$409,364.50
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Award of Contract for CIP Project ST2402 - Pinewood Drive Resurfacing to Samron Midwest Contracting of Murphysboro, Illinois in the Amount of \$409,364.50
Originating Department: Public Works- Engineering	

Background:

This project will resurface Pinewood Drive as the pavement surface is in poor condition and is in need of resurfacing.

Bid documents were prepared for Pinewood Drive (CIP No. ST2402) and the bid was advertised in the *Southern Illinoisan* on July 29, 2023. Bid invitations were sent to nine (9) contractors and five (5) plan houses as shown on the attached Certificate.

Two (2) bids were received on August 15, 2023, as shown on the attached Bid Tabulation. The low bid was submitted by Samron Midwest Contracting of Murphysboro, Illinois in the Amount of \$409,364.50, which is \$29,364.50 over the planned FY 2024 Construction budget of \$380,000. There are ample funds available in the CIP for this overage.

Staff recommends awarding the contract for Pinewood Drive CIP Project ST2402 to Samron Midwest Contracting of Murphysboro in the Amount of \$409,364.50

File Attachments

[24-08 Pinewood Resurfacing Certificate 2023-08-22.pdf \(19 KB\)](#)

[24-08 Pinewood Resurfacing Bid Tab 2023-08-22.pdf \(39 KB\)](#)

3. Consent Agenda of the City Council

Subject	3.11 Award of Contract for CIP Project ST2404 - North Washington Street Rehabilitation from E. Oak Street to Fisher Street to Samron Midwest Contracting of Murphysboro, Illinois in the Amount of \$394,505
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Award of Contract for CIP Project ST2404 - North Washington Street Rehabilitation from E. Oak Street to Fisher Street to Samron Midwest Contracting of Murphysboro, Illinois in the Amount of \$394,505
Originating Department:	Public Works Engineering

Background:

This project will rehabilitate North Washington Street from Oak Street to Fisher Street. The pavement surface on this section of North Washington Street is in poor condition and is in need of rehabilitation. The rehabilitation will consist of partial and full depth patching of the concrete pavement.

Bid Documents were prepared for North Washington Street (Oak to Fisher) (CIP No. ST2404) and the bid was advertised in the *Southern Illinoisan* on Saturday, July 29, 2023. Bid invitations were sent to nine (9) contractors and five (5) plan houses as shown on the attached Certificate.

Two (2) bids were received on August 15, 2023, as shown on the attached Bid Tabulation. The low bid was submitted by Samron Midwest Contracting of Murphysboro, Illinois in the Amount of \$394,505, which is \$130,495 under the planned FY 2024 Construction budget of \$525,000.

Staff recommends awarding the contract for North Washington Street CIP Project ST2404 to Samron Midwest Contracting of Murphysboro in the Amount of \$394,505

File Attachments

[24-09 N Washington Rehab MFT Bid Tab 2023-08-22.pdf \(34 KB\)](#)

[24-09 N Washington Rehab MFT Certificate 2023-08-22.pdf \(18 KB\)](#)

3. Consent Agenda of the City Council

Subject **3.12 Resolution Authorizing the City Manager to Enter into an Agreement with RJN Group in an Amount Not-To-Exceed \$92,884 for Engineering Services for Material Service Line Inventory**

Meeting Aug 22, 2023 - Regular City Council Meeting August 22, 2023

Type Action (Consent)

Recommended Action Approval of an Agreement with RJN Group in an Amount Not-To-Exceed \$92,884 for Engineering Services for Material Service Line Inventory

Goals [Goal #6: Enhance residential development/rehabilitation](#)
 [Goal #5: Provide high-quality City infrastructure](#)
 [Goal #3: Demonstrate fiscal responsibility and transparency while providing high-quality City services](#)

Originating Department: Public Works - Utilities

Background:

The United States Environmental Protection Agency (USEPA) has revised the federal lead & copper rule that was originally passed thirty years ago. The new rule mandates that water systems develop a water material service line inventory, listing materials used on both the City-owned pipe on public right-of-way and customer piping on private property. The purpose of the rule is to identify lead service lines. The City of Carbondale has no known lead service lines. Nevertheless, all water systems must meet the requirement. This inventory is due in April, 2024.

The City has worked successfully with RJN Group on numerous CIP projects over the past ten years on the sewer system rehabilitation program, including manhole inspections and infiltration and inflow studies. RJN Group is working with other municipalities for service line inventory development and the City contracted with RJN earlier this year to complete the draft version of the inventory which was due in April, 2023.

Adequate funds are available for this CIP project and it is anticipated to come in well under budget since staff has obtained two rounds of grant funding for the project totaling \$100,000 in reimbursement.

This contract is for professional services which is an exception to the formal bidding process pursuant to 1-6-13 (E)(2) of the Carbondale Revised Code.

File Attachments

[Resolution Authorizing the CM to Enter into an ESA with RJN Group for Service Line Inventory 2023-8-22.pdf \(9 KB\).](#)
[Carbondale Engineering Services Agreement-LSLI Phase II 2023-8-22.pdf \(848 KB\).](#)

3. Consent Agenda of the City Council

Subject	3.13 Award of Purchase of a Commercial Zero Turn Riding Mower to H&R Agripower of Benton, IL in the amount of \$18,855 and Declare a 2009 Grasshopper as Surplus to be Used for Trade-In
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Award the Purchase of a Commercial Zero Turn Riding Mower to H&R Agripower of Benton, IL in the amount of \$18,855 and Declare a 2009 Grasshopper as Surplus to be Used for Trade-In
Goals	Goal #5: Provide high-quality City infrastructure Goal #3: Demonstrate fiscal responsibility and transparency while providing high-quality City services

Originating Department: Public Works - Utilities

Background:

The FY 2024 budget includes funding to replace the commercial mower at the Northwest Wastewater Treatment Plant.

Specifications for the mower were prepared and the bid was advertised in the *Southern Illinoisan* on Saturday, August 5, 2023. The bid was made available in the newspaper, on the City's website, and provided to ten (10) dealerships and one (1) plan house.

Three (3) completed bids were received on August 15, 2023, as shown on the Bid Tabulation. Only one (1) bid meets the minimum specifications. H&R Agripower of Benton, IL was the lowest qualified bidder on the commercial mower and it is recommended that they be awarded the bid in the amount of \$18,855 which includes \$1,500 for a 2009 Grasshopper trade-in.

It is recommended that City Council approve the bid to be awarded to H&R Agripower of Benton, IL in the amount of \$18,855 including a \$1,500 trade-in of a 2009 Grasshopper and adopt a Resolution declaring a 2009 Grasshopper as surplus (Model # 930D, Serial # 28946).

File Attachments

[Resolution Declaring Personal Property Surplus 2023-08-22.pdf \(8 KB\)](#)

[24-10 Commercial Zero Turn Riding Mower Bid Tab 2023-08-22.pdf \(20 KB\)](#)

[24-10 Commercial Zero Turn Riding Mower Certificate 2023-08-22.pdf \(19 KB\)](#)

3. Consent Agenda of the City Council

Subject **3.14 Ordinance Amending Title One, Chapter Five of the Carbondale Revised Code Addressing the Issues of Waste and Abuse**

Meeting Aug 22, 2023 - Regular City Council Meeting August 22, 2023

Type Action

Recommended Action Adopt an Ordinance amending Title One, Chapter Five of the Carbondale Revised Code to address the issues of waste and abuse.

Originating Department: Public Works/Legal

Background:

The Carbondale Revised Code Title One, Chapter Five addresses the behavior of city officials and employees behavior as it relates to our code of ethics. The Illinois Department of Commerce and Economic Opportunity (DCEO) has notified us that new grant recipients need to update their ethics ordinances to include the language in the attached Exhibit A; these changes contain provisions for the reporting of waste, fraud, and abuse. City Staff has reviewed the requirements and has proposed the changes as shown in Attachment A of the attached Ordinance to address this specific requirement. It is recommended that the City Council adopt the Ordinance to address the issues of waste and abuse in order to remain compliant with DCEO grants.

File Attachments

[An Ordinance Amending Title 1, Chapter 5 of the CRC 2023-08-22.pdf \(117 KB\).](#)
[Exhibit A Code of Ethics Additions 2023-08-22.pdf \(192 KB\).](#)

3. Consent Agenda of the City Council

Subject	3.15 Approval of Consent Agenda Items
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action (Consent)
Recommended Action	Approve all Consent Agenda items not pulled for separate consideration

4. General Business of the City Council

Subject **4.1 Resolution Approving the Use of American Rescue Plan Act Funds to Grant \$225,000 to the Varsity Center for the Arts for Theater Restoration**

Meeting Aug 22, 2023 - Regular City Council Meeting August 22, 2023

Type

Originating Department: City Manager

Background:

On August 8, 2022 the Varsity Center for the Arts (VCA) representatives presented a fundraising proposal to the City Council requesting \$323,000 to complete restoration of their 500-seat theater at 418 S. Illinois Avenue. The total project budget is \$573,000 and the VCA has raised \$250,000. Of the funds raised, \$150,000 is from a state grant that must be obligated by September 30, 2023.

The City Council has reviewed the proposal and budget and is willing to commit up to \$225,000 for the project, using ARPA funds. If approved and accepted by VCA, the City Manager will work with VCA staff to prepare a grant agreement that outlines compliance requirements for the grant funds.

Recommended Action: It's recommended that the City Council approve a resolution granting \$225,000 in ARPA funds to the Varsity Center for the Arts.

File Attachments

[Varsity Center Renovation Presentation 2023-08-22.pdf \(1,478 KB\).](#)

[Resolution Approving \\$225,000 in ARPA Funds to Varsity Center for the Arts 2023-08-22.pdf \(195 KB\).](#)

4. General Business of the City Council

Subject	4.2 Ordinance Approving A Map Amendment Designating Various Commercially-Zoned Properties in the Retail Revitalization Overlay District
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action
Recommended Action	Adopt An Ordinance Approving A Map Amendment Designating Various Commercially-Zoned Properties in the Retail Revitalization Overlay District
Goals	Goal #4: Encourage progressive economic development, tourism, arts, and entertainment

Originating Department: Community Development and Economic Development

Background:

The Retail Revitalization Overlay District (RO) has been established in response to changes in society's expectations for commercial and leisure activities, the impact which can be seen in many commercial areas.

At the August 2, 2023, meeting, the Planning Commission unanimously recommended approval (6-0) of the map amendment to designate the following commercial locations under the RO, Retail Revitalization Overlay District:

1. University Mall, 1237 East Main Street
2. East Grand Avenue BPL District, 760 East Grand Avenue
3. West Murphysboro Road / West Main Street BPL and SB District, 2421 West Main Street
4. North Reed Station Road / Reed Station Parkway BPL and SB District, 2301 North Reed Station Road and surrounding

Attached for the Council's approval are the following documents:

1. PC 24-04 Staff Report
2. PC 24-04 Unapproved Planning Commission Minutes
3. An Ordinance Approving A Map Amendment Designating Various Commercially-Zoned Properties in the Retail Revitalization Overlay District
4. Exhibit A, Location Map

File Attachments

[Unapproved Planning Commission Minutes 08.02.2023, PC 24-04, 2023-08-22.pdf \(154 KB\)](#)
[Ex A, Location Map, Ordinance to Designate Properties in Retail Revitalization Overlay District, 2023-08-22.pdf \(496 KB\)](#)
[PC 24-04 Staff Report Retail Overlay Rezone, 2023-08-22.pdf \(3,537 KB\)](#)
[Ordinance to Designate Properties in Retail Overlay District, 2023-08-22.pdf \(133 KB\)](#)

4. General Business of the City Council

Subject	4.3 Discussion and Directive from the City Council to Either Maintain or Eliminate Licensing of Taxi and TNC Drivers at the Local Level
Meeting	Aug 22, 2023 - Regular City Council Meeting August 22, 2023
Type	Action
Recommended Action	Either direct staff to bring back an Ordinance eliminating the licensing requirement from Title 9 of the Carbondale Revised Code or to bring back alternative measures to simplify or amend the licensing requirements for Taxis, TNC Drivers, and/or TNC Operations
Originating Department:	City Manager/City Attorney/City Clerk

Background:

The City Council discussed the regulation of taxicabs and Transportation Network Companies (TNCs) during the City Council meetings on August 9, 2022, and July 11, 2023 meetings. There was no clear consensus determined with various Council members expressing their favor or disapproval of proposed amendments. For the purpose of simplification and to gain clear direction, the question to be addressed at this time is whether or not to continue licensing taxis and TNCs; once this matter is determined, subsequent meetings will address other related matters. The Governor recently signed House Bill 2231, scheduled to take effect in part on January 1, 2024, that will apply the same liability to TNC operations as other common carriers, such as taxicabs. Further, HB 2231 rescinds the state's TNC law altogether in 2028. The licensing period for taxi drivers and TNCs runs concurrently with the calendar year, so making any policy and Code changes at this time is appropriate.

In deciding whether or not the City Council wants to continue the licensing requirement to remain in force, the following factors should be taken into consideration:

1. Enforceability - enforcement of licensed versus unlicensed drivers in marked versus unmarked transportation vehicles
2. Fees for the driver/company - drivers incur fees of \$45.00 for background checks and \$50 - \$75 for initial vehicle inspections
3. Alternative Enforcement mechanisms - not licensing drivers at the local level does not relieve the drivers or companies of responsibilities and they remain subject to violations of the State laws

Area of Licensing Authority:

Ordinance 2008-30 amended areas of the City's licensing authority to eliminate fares either originating in or terminating in the areas of the City's Zoning authority; this rendered the licensing authority strictly to those rides that **both** originate and terminate within the city's corporate borders.

- It can be argued that any licensing requirements which inhibit the ability of providers of said driving services have a disproportionate impact on the members of the Carbondale community; those who provide passenger services who have principal addresses outside of city limits would not be subject to these additional restrictions.

Poll of Communities:

With the exception of Edwardsville, none of these communities currently license or regulate TNCs.

- Collinsville (similar population) - The lone taxi company in the city has a standard business license like all other businesses; there are no other special requirements.
- Charleston (similar population/university) - In 2017, they repealed their taxi license ordinance and allows the State to handle such licensing.
- Normal (university) - Has a cab company, but does not license them or regulate them. Few issues with drivers, but if there are complaints about drivers, those are forwarded to the company and/or traffic citations are issued.
- Freeport (similar population) - Has 2 taxi companies for a total of 3 to 4 drivers; the many challenges in bringing taxi businesses into compliance led to the city adopting a \$500 late fee for licensing.
- Belleville (university) - licenses taxi businesses and drivers; does not currently have any companies or businesses licensed.
- Marion (local) - licenses the driver, not the company; no inspection required; currently has 8 drivers licensed that operate from the same company.

- Edwardsville (university) - licenses the TNC, not their drivers. No TNCs are currently licensed. They have regulations for cab drivers and companies, but no one has been licensed since 2018-2019, and that company failed to get off the ground.

Licensing:

- Elimination of licensing requirements would not necessarily result in the full revocation of Title 9 of the Code. Provisions requiring the provision of receipts upon request, the duty to accept passengers, the prohibition of smoking, and others remain in force. Violations of the remaining provisions of Title 9 can still be charged as ordinance violations.
- Violations of the State of Illinois' Taxi and TNC provisions may be charged under State Code.
- Eliminating the licensing requirement at the local level would help to level the playing field for operators competing with unauthorized ride providers.
- The requirement of a background check is not a deterrent for bad behaviors, but it does prevent individuals with a past criminal history from being able to seek employment in this field.
- Maintaining the licensing regulation has not brought unauthorized drivers and businesses into compliance; licensing trends over the past several years have continued to decline.
- Taxicab and TNC operators require background checks, vehicle inspections, and a permit to operate before they can begin transporting passengers.

5. Adjournment of the City Council Meeting

Subject **5.1 Adjourn meeting**

Meeting Aug 22, 2023 - Regular City Council Meeting August 22, 2023

Type Procedural

The Mayor will declare the meeting adjourned.

Proclamation

- Whereas, the American Payroll Association and its more than 21,000 members have launched a nationwide public awareness campaign that pays tribute to the more than 156 million people who work in the United States and the payroll professionals who support the American system by paying wages, reporting worker earnings, and withholding federal employment taxes; and*
- Whereas, payroll professionals in the City of Carbondale play a key role in maintaining the economic health of Carbondale, carrying out such diverse tasks as paying into the unemployment insurance system, providing information for child support enforcement, and carrying out tax withholding, reporting and depositing; and*
- Whereas, payroll departments collectively spend more than \$2.2 trillion annually complying with myriad federal and state wage and tax laws; and*
- Whereas, payroll professionals play an increasingly important role in ensuring the economic security of American families by helping to identify non-custodial parents and making sure they comply with their child support mandates; and*
- Whereas, payroll professionals have become increasingly proactive in educating both the business community and the public at large about the payroll tax withholding systems; and*
- Whereas, payroll professionals meet regularly with federal and state tax officials to discuss improving compliance with government procedures and how compliance can be achieved at less cost to both government and businesses.*

Now, therefore, I, Carolin Harvey, Mayor of the City of Carbondale, Illinois, do hereby proclaim the week of September 3 - 9, 2023 as

National Payroll Week

in the city of Carbondale, Illinois.

Ordered this 22nd day of August, 2023.

Carolin Harvey, Mayor

Jennifer R. Sorrell, City Clerk

PROJECT AND MATERIAL BIDDING PROCESS

CARBONDALE CITY COUNCIL – AUGUST 22, 2023



CURRENT BIDDING PROCESS

- Bid Construction Projects and Materials over \$10,000.00 (See Exhibit A)
- City Staff provides Plans and/or Specs.
- City Manager and Finance Director Authorize Bid. (See Exhibit B)

FORMAL CONTRACT PROCEDURE

- **I-6-13: FORMAL CONTRACT PROCEDURE:**
- All supplies and contractual services, except as otherwise provided herein, when the estimated cost thereof shall exceed ten thousand dollars (\$10,000.00), shall be purchased by formal, written contract from the lowest responsible bidder, after due notice inviting proposals. All sales of personal property which has become obsolete and unusable, when the estimated value shall exceed ten thousand dollars (\$10,000.00), shall be sold by formal written contract to the highest responsible bidder, after due notice inviting proposals.

CURRENT BIDDING PROCESS

- Bid Construction Projects and Materials over \$10,000.00 (See Exhibit A)
- City Staff provides Plans and/or Specs.
- City Manager and Finance Director Authorize Bid. (See Exhibit B)

AUTHORIZATION TO BID

The Finance Department Purchasing Risk/Management Specialist has been requested to solicit bids on the following:

Requesting Department: Public Works – Northwest Wastewater Treatment Plant CIP No. WW1804

Project/Item(s): NWWWTP Building for Screw Press

Amount Budgeted: \$770,000

Estimate: \$

Explanation for non-budgeted projects/items and/or variations:

Advertise: Saturday, April 1, 2023

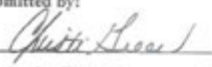
Pre-Bid Meeting: Thursday, April 13, 2023 @ 10:00 am

Bid Opening: Tuesday, April 25, 2023 @ 10 a.m.

To City Council: May 9, 2023

Award Subject to Local Preference Ordinance: Yes, if available locally

Submitted by:


Purchasing/Risk Management Specialist

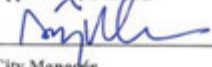
3/27/2023
Date

Recommended for Approval ☒ Denial ☐


Finance Director

3-27-2023
Date

Approved ☒ Denied ☐


City Manager

3-27-2023
Date

INVITATION TO BID ADVERTISEMENT

- Local Newspaper (See Exhibit C)
 - Southern Illinoisan

- City Website (explorecarbondale.com)
 - 270 Subscribers
 - Public Bid Notices
 - Sign-up Link to Receive Bid Notices
 - Bidder/Vendor Registration Form (See Exhibit D)
 - May 2018, PDF fillable form, print, turn in for invitations
 - December 2022, PDF fillable online form, sign, submit (emails directly to PRMS)

CITY OF CARBONDALE, ILLINOIS
INVITATION FOR BIDS

The City of Carbondale, Illinois, does hereby invite sealed bids for

**Lift Station Rehabilitation
Bradford Lane, Pine Lake and Bonnie Brae Subdivision**

This project involves complete rehabilitation of three sanitary sewer duplex lift stations located at Bradford Lane, Pine Lake, and Bonnie Brae Subdivision, including removal of existing and installation of new control panels and pumps. The City is in possession of new pumps and control panels for all three sites, to be installed by Contractor.

Bids will be received until Thursday, July 13, 2023, at 10:00 a.m., by mail or delivered by hand to the Finance Department Purchasing Office, City of Carbondale, 200 South Illinois Avenue, Carbondale, Illinois, immediately after which time and at such place all bids will be publicly opened and read aloud.

A pre-bid meeting will be held on Thursday, July 6, 2023, at 10:00 a.m., at the Carbondale City Center, 200 South Illinois Avenue, Carbondale, IL 62901.

Proposals shall be submitted on forms furnished by the City and shall be marked Bid No. 24-07.

Bid security in the form of a certified bank check or bank draft payable to the City of Carbondale, or a satisfactory bid bond, in the amount of 10% of the total bid price, as specified in Section 2-7 of the General Conditions, and the City of Carbondale's Policy for Disadvantaged Business Enterprise and/or Workforce Participations Goals in Contracts are required to be submitted with the Bid.

This project is also subject to the State of Illinois Job Works Program Act and the Illinois Works Apprentices Initiative.

Contractor shall not pay less than the prevailing rates of wages to all laborers, workmen, and mechanics performing work under this contract, and shall comply with the requirements of the Illinois Wages of Employees on Public Works Act (820ILCS 130/1-12).

No bid shall be withdrawn for a period of forty-five (45) days subsequent to the opening of bids without consent of the City of Carbondale.

The Contract shall be awarded to the lowest responsible bidder complying with the provisions of this Invitation for Bids. The owner reserves the right to reject any or all proposals and to waive any informality or technicality in any proposal in the interest of the City.

Bid documents may be obtained by contacting the City's Purchasing Office at (618) 457-3231 for a non-refundable deposit of \$50.00 per set beginning on Monday, June 26, 2023 at 10:00 a.m.

Christi Green
Purchasing/Risk Management Specialist

INVITATION TO BID ADVERTISEMENT

- Local Newspaper (See Exhibit C)
 - Southern Illinoisan

- City Website (explorecarbondale.com)
 - 270 Subscribers
 - Public Bid Notices
 - Sign-up Link to Receive Bid Notices
 - Bidder/Vendor Registration Form (See Exhibit D)
 - May 2018, PDF fillable form, print, turn in for invitations
 - December 2022, PDF fillable online form, sign, submit (emails directly to PRMS)

City of Carbondale, Illinois
Bidder/Vendor Registration Form

PLEASE TYPE OR PRINT

Company's Legal Name _____
Address _____
Purchase Order Address _____
Payment Address _____
Telephone Number _____ Type of Organization:
Fax Number _____ Individual _____
E-mail _____ Partnership _____
Federal Tax Identification Number _____ Corporation _____
(Attach W-9) Other - Specify _____
How Long in Present Business _____ Please indicate if you are a Minority or
Woman Owned Business Yes _____ No _____
Type of Business or Service:
____ Manufacturer _____ Distributer _____ Wholesaler
____ Construction _____ Repair _____ Other- Specify _____

Identify person(s) having the authority to contractually bind the company. Indicate if individual is an agent of
your company.

Name	Capacity	Phone Number/Email
_____	_____	_____
_____	_____	_____
_____	_____	_____

Supplies, Materials and/or Services on which you wish to bid:

Signature _____

Date _____

Please remit completed form to:
City of Carbondale Finance Department, Purchasing
200 South Illinois Avenue, P.O. Box 2047 Carbondale,
IL 62902-2047
Fax: (618) 549-8067
cgreen@explorecarbondale.com

BID WORK

- Bid Certificate is Prepared and Bid Invitations are Sent to: (See Exhibit E & F)
 - Vendors/Contractors with trade groups similar to described work
 - Plan Houses

- Bid Packets are:
 - Sold: Construction bids
 - Distributed: Material bids/Vehicles/MFT

- Plan Holders List is Prepared and Kept Updated (See Exhibit G)

- Bids Must be Received by PRMS Before Scheduled Time of Bid Opening for a Valid Bid.
 - By Mail (must be delivered before time of scheduled bid opening or cannot accept)
 - In Person (handed to front desk worker or PRMS for time and date stamp, before scheduled bid opening)

**CERTIFICATE IN CONNECTION WITH PURCHASE OF SUPPLIES,
EQUIPMENT & MATERIALS IN EXCESS OF \$10,000.00**
(This certificate must be furnished to the City Manager in connection with each purchase.)

The undersigned hereby certifies:

1. That the supplies, equipment or materials sought to be purchased are as follows:
BID NO.: 22-11
PROJECT NAME: Illinois Avenue Streetscape Improvements - Phase 3
2. That specifications particularly and specifically describing same have been prepared, are complete in every detail, and a copy of same is attached.
3. That such supplies, equipment, or materials are needed in connection with:
Illinois Avenue Streetscape Improvements - Phase 3
4. That a notice calling for sealed bids are to be submitted on:
Bid Opening: November 23, 2021 at 10:00 a.m.
has been prepared, is attached hereto, and that the date fixed therein for reception of bids is more than 7 days after the date of this Certificate.
5. That a copy of such notice calling for sealed bids and a copy of the specifications have been furnished either by mail or personally this day to firms or persons most likely to be interested in submitting bids and furnishing such supplies, as follows:
(All persons advised about the requirements, either by mail, telephone, or personally must be listed here - three (3) or more competitors must be notified.)

Dean Bush Construction
3828 S. Illinois Avenue
Carbondale, IL 62903
Phone: 618-549-1600
Fax: 618-549-1600
mbush1957@aol.com

Fager-McGee Comm. Const.
PO Box 1239
Murphysboro, IL 62966
Phone: 618-687-3900
Fax: 618-687-3639
bids@fager-mcgee.com

E.T. Simonds Construction
Chad Masterson
PO Box 2107
Carbondale, IL 62902
Phone: 618-457-8191
Fax: 618-549-0131
cmasterson@etsimonds.com

J & L Robinson Construction Co.
501 W. Industrial Park Road
Carbondale, IL 62901
Phone: (618) 549-3391
Fax: (618) 457-4324
jerry@jrob.com

ACEX
3981 State Rt 3 North
Chester, IL 62233
Phone: 618-826-2854
Fax: 618-826-3586
acisoffice@gmail.com

Samron Midwest Contracting
1510 N 7th Street
Murphysboro, IL 62966
Phone: 618-687-5500
Fax: 618-687-5153
dmarray@samron.com

Evraed-Strang Construction
1703 East DeYoung
Marion, IL 62959
Phone: 618-997-8997
Fax: 618-997-9978
estimating@e-construction.com

Brian Bush Contracting
936 Pleasant Hill Road
Carbondale, IL 62902
Phone: 618-529-6938
rbushbush00@gmail.com

Scott Escue Construction LLC
PO Box 64
Cobden, IL 62920
Phone: 618-534-2032
scottescue81@gmail.com

Heartland Services, Inc.
4014 District 204 Road
Tamaqua, IL 62888
Phone: 618-318-5674
hsc@heartlandservicesinc.com

PLANHOUSES
SEBA
Dodge Data & Analytics
PrimeVendor
Construct connect

TO BE AWARDED ON December 14, 2021
This is the 25th day of October, 2021

Name: _____
Christi Green
Purchasing/Risk Mgr Specialist

BID WORK

- Bid Certificate is Prepared and Bid Invitations are Sent to: (See Exhibit E & F)
 - Vendors/Contractors with trade groups similar to described work
 - Plan Houses

- Bid Packets are:
 - Sold: Construction bids
 - Distributed: Material bids/Vehicles/MFT

- Plan Holders List is Prepared and Kept Updated (See Exhibit G)

- Bids Must be Received by PRMS Before Scheduled Time of Bid Opening for a Valid Bid.
 - By Mail (must be delivered before time of scheduled bid opening or cannot accept)
 - In Person (handed to front desk worker or PRMS for time and date stamp, before scheduled bid opening)

CITY OF CARBONDALE, ILLINOIS

INVITATION FOR BIDS

The City of Carbondale, Illinois, does hereby invite sealed bids for

Illinois Avenue Streetscape Improvements - Phase 3
CIP No. SP0904

The proposed improvement consists of furnishing all labor, equipment, and materials to remove and replace sidewalk, pavement, driveway pavement, brick street pavers, storm sewer, curb & gutter. Install decorative roadway lighting, electrical conduit, and other work as necessary according to the plans and the specifications. The total project length is approximately 1,080 feet (0.2045 miles) and is located on Illinois Avenue from Monroe Street to Oak Street.

Bids will be received until Tuesday, November 23, 2021 at 10:00 A.M., by mail or delivered by hand to the Finance Department Purchasing Office, City of Carbondale, 200 South Illinois Avenue, Carbondale, Illinois, immediately after which time and at such place all bids will be publicly opened and read aloud.

A pre-bid meeting will be held on Tuesday, November 9, 2021 at 10:00 A.M. at the Carbondale Civic Center, 200 South Illinois Avenue, Carbondale, IL 62901.

Proposals shall be submitted on forms furnished by the City and shall be marked Bid No. 22-11

Bid security in the form of a certified bank check or bank draft payable to the City of Carbondale, or a satisfactory bid bond, in the amount of 10% of the total bid price, as specified in Section 2-7 of the General Conditions and The City of Carbondale's Policy for Disadvantaged Business Enterprise and/or Workforce Participation Goals in Contracts are required to be submitted with the Bid.

This Project is also subject to the Illinois Works Jobs Program Act and the Illinois Works Apprentice Initiative.

Contractor shall not pay less than the prevailing rates of wages to all laborers, workmen, and mechanics performing work under this contract, and shall comply with the requirements of the Illinois Wages of Employees on Public Works Act (820ILCS 130/1-12).

No bid shall be withdrawn for a period of forty-five (45) days subsequent to the opening of bids without consent of the City of Carbondale.

The Contract shall be awarded to the lowest responsible bidder complying with the provisions of this Invitation for Bids. The owner reserves the right to reject any or all proposals and to waive any informality or technicality in any proposal in the interest of the City.

Bid Documents may be obtained by contacting the City's Purchasing Office at (618) 457-3231 for a non-refundable deposit of \$50.00 beginning on Monday, October 25 at 8:00 A.M.

Christi Green
Purchasing/Risk Management Specialist
Phone: (618) 457-3231
Fax: (618) 549-8067
cgreen@explorecarbondale.com

BID WORK

- Bid Certificate is Prepared and Bid Invitations are Sent to: (See Exhibit E & F)
 - Vendors/Contractors with trade groups similar to described work
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Plans cost \$50.00. Payment shall be made to City of Carbondale and is not refundable.

Plan Holders
(as of Tuesday, August 15, 2023)

City of Carbondale
Bid No. 20-14
Haake Jenkins Lift Station Replacement
CIP No. SA1302

Pre-Bid Tuesday, March 10, 2020 at 10:00 a.m.
Bid Opens Tuesday, March 17, 2020 at 10:00 a.m.
Planned to be taken to Council March 24, 2020

Organization	Organization
ACI X PO Box 315 Chester, IL 62233 Phone: 618-826-2854 acixoffice@gmail.com	Midwest Petroleum & Excavating, Inc. PO Box 544 Benton, IL 62812 Phone: 618-435-2645 Jslamplay33@yahoo.com
Wiggs Excavating, Inc. PO Box 866 Benton, IL 62812 Phone: 618-927-7171 Jwiggs71@yahoo.com	Haier Plumbing & Heating, Inc. 301 Elkton Street Okawville, IL 62271 Phone: 618-243-5908 jimrossel@haierplumbing.com
Skuta Construction 10090 Crenshaw Road Marion, IL 62959 Phone: 618-218-2592 skutakevin@yahoo.com	R.B.Bush Contracting & Excavating, LLC 936 E. Pleasant Hill Road Carbondale, IL 62902 Phone: 618-528-6938 Rbbushcon00@gmail.com
Scott Escue Construction PO Box 64 Cobden, IL 62920 Phone: 618-534-2032 Scottescue81@gmail.com	
SIBA ePlan ConstructConnect	

BID WORK

- Bid Certificate is Prepared and Bid Invitations are Sent to: (See Exhibit E & F)
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 - Plan Houses

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 - In Person (handed to front desk worker or PRMS for time and date stamp, before scheduled bid opening)

BID MEETINGS

- Pre-Bid Meeting for Construction Projects (Open to Public)
 - Sign-in Sheets (See Exhibit H)
 - Questions Answered
 - DBE Information is Discussed (See Exhibit I)
 - Addendums (See Exhibit J)

- Bid Opening (Open to Public)
 - Sign-in Sheets (See Exhibit K)
 - Sealed Bids are Opened and Reviewed (Calculations/Completed Documents)
 - DEI Coordinator Reviews for Approval (See Exhibit L)

- Council Meeting
 - Bid Tab Prepared and Distributed (See Exhibit M)
 - Board Docs are Prepared
 - Lowest Qualified Bidder Recommended

Pre-Construction Meeting Bid No. 22-11
Illinois Avenue Streetscape Improvements – Phase 3

[illegible]

BID MEETINGS

- Pre-Bid Meeting for Construction Projects (Open to Public)
 - Sign-in Sheets (See Exhibit H)
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- Council Meeting
 - Bid Tab Prepared and Distributed (See Exhibit M)
 - Board Docs are Prepared
 - Lowest Qualified Bidder Recommended

DBE and/or Workforce Goals

- It is the policy of the CITY OF CARBONDALE to provide contracting and subcontracting opportunities to Disadvantaged Business Enterprises (DBE) and /or Workforce. In complying with these policies, Bidders must take affirmative steps to assure that disadvantaged businesses and workforce are used to supply labor, equipment, products, and construction-related services.
- It is the policy of the CITY OF CARBONDALE that all public works contracts falling within the scope of Carbondale Revised Code 1-6-13 be awarded to businesses that utilize minorities, women, and persons with disabilities as employees. Such workforce should perform no less than 25% of the total dollar amount of the awarded contract or 25% of the labor force combined.
- It is the policy of the CITY OF CARBONDALE that if the Bidder is unable to achieve the required DBE and/or Workforce participation, the Bidder must seek a waiver request. This form can be found in bid packet.
- It is the policy of the CITY OF CARBONDALE that all public works contracts will only be offered/awarded if the Bidder has been determined to make good faith efforts to meet the goals of the City's DBE and/or Workforce participation policy.
- GOOD FAITH EFFORTS (definition) - at the City of Carbondale's discretion are efforts which demonstrate that the bidder has exhausted all reasonable means to comply with any affirmative action, hiring or contractual goal(s) pursuant to the DBE goal or another requirement of this article.
- More information can be found through the city's website www.explorecarbondale.com under the City of Carbondale's Policy for Disadvantaged Business Enterprise and/or Workforce Participation Goals in Contracts.

BID MEETINGS

- Pre-Bid Meeting for Construction Projects (Open to Public)
 - Sign-in Sheets (See Exhibit H)
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 - DEI Coordinator Reviews for Approval (See Exhibit L)

- Council Meeting
 - Bid Tab Prepared and Distributed (See Exhibit M)
 - Board Docs are Prepared
 - Lowest Qualified Bidder Recommended



ADDENDUM NO. 1

Date: November 8, 2021
Illinois Avenue Streetscape Improvements – Phase 3
CIP No. SP0904
Bid No. 22-11

SCOPE: this Addendum No 1 consists of pages 1 through 38. The following modifications shall be made to the contract specifications and/or drawings for this project.

SPECIFICATIONS:

Revisions to Division 0 – Bidding & Contract Requirements

Page 0020-1 Invitation for Bid – Paragraph 7 should read “Contractor shall not pay less than the prevailing rates of wages to all laborers, workmen, and mechanics performing work under this contract, and shall comply with the requirements of the *Davis-Bacon Act*.”

Page 00470-1-2 – Prevailing Wage Requirements – Please use the Wage Rate Determination #IL20210016 requirements that are attached.

Page 0500 – 1-3 – Standard Agreement Forms – Added pages 4-18 Certification of Bidder Regarding Equal Employment Opportunity, Certification of Bidder Regarding Section 3 and Segregated Facilities, Certification of Proposed Subcontractor Regarding Equal Employment Opportunity, Certification of Proposed Subcontractor Regarding Section 3 and Segregated Facilities, Contractor's Certification Concerning Labor Standards and Prevailing Wage Requirements, Subcontractor's Certification Concerning Labor Standards and Prevailing Wage Requirements, Section 3 Plan Format, Proposed Subcontracts Breakdown –Table A, Estimated Project Workforce Breakdown –Table B, Noncollusion Affidavit of Prime Bidder, Certificate of Owner's Attorney forms.

DRAWINGS:

Updated PDF plans to include the electrical plans pages 38-43 of 43.

General Notes and Highway Standards -Page 2 of 43 in addition to the last paragraph, the Contractor is responsible to secure bond for the IDOT permit.

END OF ADDENDUM

Please acknowledge receipt of this Addendum No. 1 by signing and returning one copy with the Proposal document.

Please do not hesitate to contact me, Christi Green at 618-457-3231 if you have any questions regarding this addendum.


Christi Green
Purchasing/Risk Management Specialist

Signature of Bidder

RETURN WITH BID

BID MEETINGS

- Pre-Bid Meeting for Construction Projects (Open to Public)
 - Sign-in Sheets (See Exhibit H)
 - Questions Answered
 - DBE Information is Discussed (See Exhibit I)
 - Addendums (See Exhibit J)

- Bid Opening (Open to Public)
 - Sign-in Sheets (See Exhibit K)
 - Sealed Bids are Opened and Reviewed (Calculations/Completed Documents)
 - DEI Coordinator Reviews for Approval (See Exhibit L)

- Council Meeting
 - Bid Tab Prepared and Distributed (See Exhibit M)
 - Board Docs are Prepared
 - Lowest Qualified Bidder Recommended

City of Carbondale
Bid Opening

Bid No. 22-11
Illinois Avenue Streetscape Improvements – Phase 3

Tuesday, November 23, 2021 at 10:00 a.m.
City Hall Finance Library, 200 South Illinois Avenue

Name	Organization	Phone	Email
	City-Finance-Purchasing		

BID MEETINGS

- Pre-Bid Meeting for Construction Projects (Open to Public)
 - Sign-in Sheets (See Exhibit H)
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 - DEI Coordinator Reviews for Approval (See Exhibit L)

- Council Meeting
 - Bid Tab Prepared and Distributed (See Exhibit M)
 - Board Docs are Prepared
 - Lowest Qualified Bidder Recommended

City of Carbondale
Contractor's Project Bid Information
Diversity, Equity & Inclusion Coordinator Report

FY2023 North McRoy Drive
CIP: ST2201

Pre-Bid: Thursday – June 15, 2023 @ 10am
Bid Open: Thursday – June 29, 2023 @ 10am

Bid Advertised: Saturday – May 27, 2023 via newspaper
City Budgeted Amount: \$940,000.00
DBE &/or Workforce Goal: 25%

Contractor/Vendor	Bid Amount	Under or Over Budget	Meets DBE Participation /Workforce Utilization Goal	Minority %	Workforce	Notes
Samron	\$954,454.00	\$ 14,454.00 over budget	Yes	23%	1 Operator, 3 Masons & 3 Laborers	- Contractor will not subcontract this bid - No DBE usage proposed - Projection for Workforce to have 2 minority crew members on staff in a projected number of 7 project employees
E. T. Simmonds	\$980,571.30	\$ 40,571.30 over budget	Yes	28%	2 Operators, 2 Masons & 3 Laborers	- Proposal to utilize a DBE construction company, Pinoy Construction, with compensation of less than 1% of contract bid - Projection for Workforce to have 2 minority crew members on staff in a projected number of 7 project employees

**GOOD FAITH EFFORTS: at the City of Carbondale's discretion are efforts which demonstrate that the bidder has exhausted all reasonable means to comply with any affirmative action, hiring or contractual goal(s) pursuant to the DBE goal or another requirement of this article.* (Retrieved from The City of Carbondale Policy for Disadvantaged Business Enterprise and/or Workforce Participation Goals in Contracts)*

BID MEETINGS

- Pre-Bid Meeting for Construction Projects (Open to Public)
 - Sign-in Sheets (See Exhibit H)
 - Questions Answered
 - DBE Information is Discussed (See Exhibit I)
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- Bid Opening (Open to Public)
 - Sign-in Sheets (See Exhibit K)
 - Sealed Bids are Opened and Reviewed (Calculations/Completed Documents)
 - DEI Coordinator Reviews for Approval (See Exhibit L)

- Council Meeting
 - Bid Tab Prepared and Distributed (See Exhibit M)
 - Board Docs are Prepared
 - Lowest Qualified Bidder Recommended

City of
CARBONDALE
Illinois



FY23 Street Cut Repairs Program

Bid No. 23-04

Date of Opening: June 9, 2022

				E.T. Simonds Construction Co. PO Box 2107 Carbondale, IL 62902		Samron Midwest Contracting, Inc. 1510 N 7th Street Murphysboro, IL 62966		R.B. Bush Contracting LLC 936 E. Pleasant Hill Road Carbondale, IL 62902			
BID BOND AMOUNT \$ or %				Yes		Yes		Yes			
ACCEPTABLE				Yes		Yes		No			
ITEM	BRIEF DESCRIPTION	QUANTITY	UNIT	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	PAVEMENT PATCHING (10 SQ YDS & UNDER)	100	SQ YD	\$294.31	\$29,431.00	\$195.00	\$19,500.00	\$250.00	\$25,000.00		
2	PAVEMENT PATCHING (OVER 10 SQ YDS)	800	SQ YD	\$192.14	\$153,712.00	\$120.00	\$96,000.00	\$96.04	\$76,832.00		
3	PAVEMENT PATCHING (5 HOUR) (10 SQ YDS & UNDER)	50	SQ YD	\$312.51	\$15,625.50	\$205.00	\$10,250.00	\$199.46	\$9,973.00		
4	PAVEMENT PATCHING (5 HOUR) (OVER 10 SQ YDS)	400	SQ YD	\$198.63	\$79,452.00	\$131.00	\$52,400.00	\$108.00	\$43,200.00		
5	DRIVEWAY/SIDEWALK PATCHING 6"	150	SQ YD	\$162.65	\$24,397.50	\$126.00	\$18,900.00	\$96.00	\$14,400.00		
6	SIDEWALK PATCHING 4"	100	SQ YD	\$122.98	\$12,298.00	\$114.00	\$11,400.00	\$70.00	\$7,000.00		
7	DETECTABLE WARNINGS	60	SQ FT	\$38.50	\$2,310.00	\$35.00	\$2,100.00	\$25.00	\$1,500.00		
8	WORK ZONE TRAFFIC CONTROL AND PROTECTION	50	EACH	\$378.84	\$18,942.00	\$304.00	\$15,200.00	\$350.00	\$17,500.00		
9	LAWN SEEDING	200	SQ YD	\$12.64	\$2,528.00	\$16.00	\$3,200.00	\$10.00	\$2,000.00		
	TOTAL BID for FY2023				\$338,696.00		\$228,950.00		\$197,405.00		

Note:
This is a bid tab for proposals received June 9, 2022. Proposals will be reviewed by City Staff for acceptability.
Council approval is required for this contract.
The next City Council Meeting will be held at 7:00 p.m. on Tuesday, June 28, 2022.

BID MEETINGS

- Pre-Bid Meeting for Construction Projects (Open to Public)
 - Sign-in Sheets (See Exhibit H)
 - Questions Answered
 - DBE Information is Discussed (See Exhibit I)
 - Addendums (See Exhibit J)

- Bid Opening (Open to Public)
 - Sign-in Sheets (See Exhibit K)
 - Sealed Bids are Opened and Reviewed (Calculations/Completed Documents)
 - DEI Coordinator Reviews for Approval (See Exhibit L)

- Council Meeting
 - Bid Tab Prepared and Distributed (See Exhibit M)
 - Board Docs are Prepared
 - Lowest Qualified Bidder Recommended

POST BID AWARD

- Send out Notice of Award (See Exhibit N)
- Send out Contracts (See Exhibit O)
- Receive Signed Contracts and Insurance
- Contracts Signed by City Manager and City Clerk
- Send out Notice to Proceed with Copy of Signed Contract (See Exhibit P)
- File Completed Bid Packet with City Clerk



December 15, 2021

E.T. Simonds Construction Co.
PO Box 2107
Carbondale, IL 62902

Regarding: Notice of Award
Illinois Avenue Streetscape Improvements – Phase 3

I am pleased to inform you that on December 14, 2021, the Carbondale City Council accepted the proposal submitted by you for the above referenced work in the amount of \$1,245,046.53 per your bid on November 23, 2021.

Two copies of the Contract and Contract Bond are required so that each party has an original. The Contract document *and approval [by City] section of the Contract Bond* will be dated when the City's portion is executed. The City's Contract Bond document is the one that should be used by your surety company (signed, sealed, and dated). You are required by the Instructions to Bidders to execute the enclosed two (2) copies of the Agreement and furnish the required Contract Bond and Certificate of Insurance within fifteen (15) calendar days from the date of this Notice of Award. A fully executed copy will be returned to you along with a Notice to Proceed.

If you fail to execute said Agreement and to furnish the required Bond and Certificate of Insurance within fifteen (15) days from the date of this Notice, said City will be entitled to consider all your rights arising out of the City's acceptance of your Proposal as abandoned and as a forfeiture of your Bid Bond. The City will be entitled to such other rights as may be granted by law.

Dated this 15th day of December, 2021.

CITY OF CARBONDALE, ILLINOIS

Christi Green
Purchasing/Risk Management Specialist
Phone (618) 457-3231
Fax (618) 549-8067
cgreen@explorecarbondale.com

Copy:
Contract Book
Purchasing Bid File 22-11

POST BID AWARD

- Send out Notice of Award (See Exhibit N)
- Send out Contracts (See Exhibit O)
- Receive Signed Contracts and Insurance
- Contracts Signed by City Manager and City Clerk
- Send out Notice to Proceed with Copy of Signed Contract (See Exhibit P)
- File Completed Bid Packet with City Clerk

CITY OF CARBONDALE, ILLINOIS
Illinois Avenue Streetscape Improvements - Phase 3
CONTRACT

THIS AGREEMENT, made and concluded this _____ day of _____ 20____
between the CITY OF CARBONDALE, ILLINOIS, acting by and through the Carbondale City
Council, known as the Party of the First Part, and E.T. Simonds Construction Co., PO Box
2107, Carbondale, IL 62902, his/their executors, administrators, successors, or assigns, known
as the Party of the Second Part.

WITNESSETH; That for and in consideration of the payments and agreements mentioned in the
Proposal hereto attached to be made and performed by the Party of the First Part, and according
to the terms expressed in the bond referring to these presents the Party of the Second Part agrees
with said Party of the First Part at his/their own proper cost and expense do all the work, furnish
all materials and all labor necessary to complete the work in accordance with the plans of this
Agreement and the requirements of the Engineer under it.

AND IT IS UNDERSTOOD that The Contract and the Contract Documents listed herein and
incorporated into this Agreement constitute the entire Agreement between the parties hereto and
shall be binding and obligatory upon the heirs, executors, administrators, successors, assigners,
and trustees in bankruptcy of the respective parties hereto.

- A. Agreement (this instrument)
- B. Addenda to Contract Document No. 1 (11/08/21); No. 2 (11/10/2021)
- C. Proposal
- D. Instructions to Bidders
- E. Invitation for Bids
- F. Proposal Guaranty (Bid Bond)
- G. General Conditions
- H. Special Provisions
- I. Exhibits "A" and "B"
- J. Contract Bond

IN WITNESS WHEREOF, the said parties have executed these presents on the date above
mentioned.

"CITY"
THE CITY OF CARBONDALE, ILLINOIS

BY: _____

ATTEST: _____
City Clerk

"CONTRACTOR"

BY: _____

CITY OF CARBONDALE, ILLINOIS

Illinois Avenue Streetscape Improvements – Phase 3
CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS, that we _____
a corporation organized under the laws of the State of _____
and licensed to do business in the State of Illinois, as Principal, and _____
a corporation organized and existing under the laws of the State of _____, with
authority to do business in the State of Illinois, as Surety, are held and firmly bound unto the
CITY OF CARBONDALE, State of Illinois, in the penal sum of One Million Two Hundred
Forty Five Thousand Forty Six And 53/100 Dollars (\$1,245,046.53), lawful money of the
United States, well and truly to be paid unto said CITY OF CARBONDALE, ILLINOIS, for the
payment of which we bind ourselves, our successors and assigns, jointly, severally, and firmly by
these presents.

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that whereas, the said
Principal has entered into a written Contract with the CITY OF CARBONDALE, ILLINOIS,
acting through the City Council of said City for the **Illinois Avenue Streetscape Improvements
– Phase 3**, which contract is hereby referred to and made a part hereof, as if written herein at
length, and whereby the said Principal has promised and agreed to perform said work in
accordance with the terms of said Contract, and has promised to pay all sums of money due for
any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose
of performing such work and has further agreed to pay all direct and indirect damages to any
person, firm, company or corporation suffered or sustained on account of the performance of
such work during the time thereof and until such work is completed and accepted; and has
further agreed that this Bond shall inure to the benefit of any person, firm, company or
corporation to whom money may be due from the Principal, subcontractor or otherwise, for any
such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be
maintained on such Bond by any such person, firm, company or corporation for the recovery of
any such money.

NOW THEREFORE, if said Principal shall well and truly perform said work in accordance with
the terms of said Contract, and shall pay all sums of money due or to become due for any labor,
materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such
work, and shall commence and complete the work within the time prescribed in said Contract
and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on
account of such work during the time of the performance thereof and until the said work shall
have been accepted, and shall hold the CITY OF CARBONDALE, ILLINOIS and the Council
harmless on account of any damages, and shall in all respects fully and faithfully comply with all
the provisions, conditions, and requirements of said Contract, then this obligation to be void;
otherwise to remain in full force and effect.

POST BID AWARD

- Send out Notice of Award (See Exhibit N)
- Send out Contracts (See Exhibit O)
- Receive Signed Contracts and Insurance
- Contracts Signed by City Manager and City Clerk
- Send out Notice to Proceed with Copy of Signed Contract (See Exhibit P)
- File Completed Bid Packet with City Clerk



January 27, 2022

E. T. Simonds Construction Co.
PO Box 2107
Carbondale, IL 62902

Regarding: Notice to Proceed
Illinois Avenue Streetscape Improvements – Phase 3

Enclosed is a copy of the fully executed contract for your records. You are hereby notified to commence work in accordance with the Agreement dated January 27, 2022, not later than ten (10) calendar days after the date of receipt of this Notice to Proceed unless otherwise provided, and you are to complete the work within 60 working days as defined in the contract documents.

Dated this 27th day of January, 2022

CITY OF CARBONDALE, ILLINOIS

Christi Green
Purchasing/Risk Management Specialist
Phone (618) 457-3231
Fax (618) 549-8067
cgreen@explorecarbondale.com

Copy:
Contract Book
Purchasing Bid File 22-11

POST BID AWARD

- Send out Notice of Award (See Exhibit N)
- Send out Contracts (See Exhibit O)
- Receive Signed Contracts and Insurance
- Contracts Signed by City Manager and City Clerk
- Send out Notice to Proceed with Copy of Signed Contract (See Exhibit P)
- File Completed Bid Packet with City Clerk

PREVIOUS DBE & MINORITY WORKFORCE PARTICIPATION PROGRAM

- Established as of November 18, 2008, as a combined document with policies for Affirmative Action rights for City of Carbondale employees and policies for City of Carbondale Contractor Compliance
- Contractors were required to make efforts towards a minority workforce goal of 16% from union apprentices, journeymen, or trainees
- Per the policy, the Compliance Officer for the City of Carbondale was responsible for reviewing staffing and payroll reports from Carbondale funded projects

CURRENT DBE & MINORITY WORKFORCE PARTICIPATION PROGRAM

- Established in 2020 specifically focusing on the Disadvantaged Business Enterprise and Minority Workforce participation for City of Carbondale Construction Projects
- The goal was increased from 16% to 25%
- The goal can be met by combining the percentage of minority workforce utilized with the percentage of DBE utilized
- The City of Carbondale Diversity Coordinator is responsible for reviewing certified payroll reports and visiting the project site for compliance

PROCESS OF THE DBE & MINORITY WORKFORCE PROGRAM

- Policy highlights are shared during the Pre-Bid with staff contact information for any questions related to the goal
- Bid packets are reviewed for completion and a summary report is prepared for City Council along with bid agenda item attachments
- During the life of the project, site visits are made to observe project workforce and reviewed based on proposed Workforce and DBE from the submitted bid documents

QUESTIONS

- Who can bid on City projects?

Anyone who can meet the standards set forth in the bid documents.

- Does City staff prohibit anyone from bidding?

No. The City of Carbondale does not have a listing of vendors that are currently precluded from bidding. Projects that are funded via state or federal grants are subject to debarment and suspension lists kept by those levels of government. Actually, staff's preference is to receive as many bids as possible as competition usually results in lower costs to the City and its taxpayers.

- Does the City have a preferred vendor list?

No. City staff has no preference whatsoever in who bids. The City does have a local bidder preference clause in City Code 1-6-13 (D-2) that states that for purchases in excess of \$10,000 that a vendor whose principal place of business is within the city limits of Carbondale, IL will have their bid recognized as the low bid if it is no higher than the nonlocal vendor by the lesser of 2% or \$2,000.

- Has the City ever rejected a bid due to non-compliance of the minority hiring goals?

Yes.

QUESTIONS

- Has the City ever taken affirmative steps, such as breaking bids into smaller components, to encourage greater minority participation?

Yes.

- What role does the City play in hiring for projects?

None. The City doesn't self-perform any work that is part of these capital contracts or supply labor. Since prevailing wage is required on our projects, the contractors doing the work are generally signatory to one of the various labor unions. The City has no role or authority in union hiring policies.

- Are contractors required to be union?

No. However, the City does have a project labor agreement (PLA) with the Egyptian Building and Construction Trades which requires any City project with a value of \$100,000 or more to comply with the terms of local labor agreements. This doesn't mean that a non-union contractor must become signatory with the union, but that they would sign a project-specific agreement to comply with the terms of the PLA, if awarded the contract.

QUESTIONS

- What opportunities does the City provide for residents to become apprentices in one of the unions?

The City can only provide contact information for specific union halls. Every labor union has their own unique hiring rules, including the acceptance and training of apprentices.

- What role does the City play in ensuring that local residents are included on City projects?

None. Every contractor and union have their own workforce demands and they manage their workforces accordingly.

- Does the City certify contractors for DBE compliance?

No.

1-6-13: FORMAL CONTRACT PROCEDURE:

All supplies and contractual services, except as otherwise provided herein, when the estimated cost thereof shall exceed ten thousand dollars (\$10,000.00), shall be purchased by formal, written contract from the lowest responsible bidder, after due notice inviting proposals. All sales of personal property which has become obsolete and unusable, when the estimated value shall exceed ten thousand dollars (\$10,000.00), shall be sold by formal written contract to the highest responsible bidder, after due notice inviting proposals.

A. Notice Of Inviting Bids:

1. Newspaper: Notice of inviting bids shall be published once in at least one official newspaper in the city, at least five (5) days preceding the last day set for the receipt of proposals. Such notice shall include a general description of such services and supplies and shall state where bidding information may be secured and the time and place of opening bids.

2. Bidder's List: The purchasing specialist shall also solicit sealed bids from all responsible vendors who have requested their names be added to the bidder's list which the purchasing specialist shall maintain, by sending them a copy of such newspaper notice or such other notice as will acquaint them with the proposed purchase or sale. Invitations sent to such vendors shall be limited to commodities that are similar in character and ordinarily handled by the trade group to which invitations are sent.

B. Bid Deposits: Bid deposits or bid bonds shall be required on all contracts with the dollar amount in excess of ten thousand dollars (\$10,000.00) except for maintenance contracts, or contracts which require the provision of materials. Bid bonds or bid deposits are not required for contracts with the dollar amount less than ten thousand dollars (\$10,000.00), but said bonds or deposits may be required, at the discretion of the city manager. When bid bonds or bid deposits are required, said requirement shall be prescribed in the public notices inviting bids. Unsuccessful bidders shall be entitled to return of surety pursuant to the requirements set forth in the public notice inviting bids. Further, a successful bidder may be required to forfeit any surety required by the city upon failure on such bidder's part to enter a contract within fifteen (15) days after the award of said contract, or as is otherwise required in the bidding documents.

C. Bid Opening Procedures:

1. Sealed Bids: Bids shall be submitted sealed to the purchasing specialist and shall be identified as bids on the envelope.

2. Opening: Bids shall be opened in public at the time and place stated in the public notice.

3. Tabulation: Tabulation of all bids received shall be available for public inspection and shall be furnished to all bidders.

D. Award Of Contract:

1. Lowest Responsible Bidder: Contracts shall be awarded to the lowest responsible bidder. In determining "lowest responsible bidder", in addition to price, the purchasing specialist shall consider:

- a. The ability, capacity, and skill of the bidder to perform the contract or provide the service required.
- b. Whether the bidder can perform the contract or provide the service promptly, or within the time specified, without delay or interference.
- c. The character, integrity, reputation, judgment, experience, and efficiency of the bidder.
- d. The quality of performance of previous contracts or services.
- e. The previous and existing compliance of the bidder with laws and ordinances relating to the contract or service.
- f. The sufficiency of the financial resources and ability of the bidder to perform the contract or service.
- g. The quality, availability, and adaptability of the supplies or contractual services to the particular use required.
- h. The ability of the bidder to provide future maintenance and service for the use of the subject of the contract.
- i. The number and scope of conditions attached to the bid.
- j. Preference shall be given to the purchase of supplies, materials and equipment from local merchants.

2. Local Bidder Preference: For purchases in excess of ten thousand dollars (\$10,000.00), if: a) the lowest bidding local vendor is a responsible bidder; and b) the lower responsible bidders are not local vendors; and c) the lowest bidding local vendor's bid is higher than the nonlocal vendor by no more than two percent (2%) or two thousand dollars (\$2,000.00), whichever is less, then that local vendor shall be the lowest responsible bidder. This provision shall not be applied to a contract if the funding source prohibits it through law, rule, or regulation. For purposes of this section, "local vendor" means a vendor whose principal place of business is located within the city limits of Carbondale, Illinois.

3. Award To Other Than Low Bidder: When the award is not given to the low bidder, a full and complete statement of the reasons for placing the order elsewhere shall be prepared by the purchasing specialist and filed with the other papers related to the transaction.

4. Tie Bids:

- a. Local Vendors: If all bids received are for the same total amount or unit price, quality and service being equal, the

contract shall be awarded to a local bidder.

b. Outside Vendors: Where subsection D4a of this section is not in effect, the purchasing specialist shall award the contract to one of the tie bidders by drawing lots in public.

5. Performance Bonds: The purchasing specialist shall have the authority to require a performance bond, before entering a contract, in such amount as he shall find necessary to protect the best interests of the city.

E. Exceptions To Formal Contract Procedure: The "formal contract procedure" as defined in this section is not required in the following cases:

1. Where the goods or services to be procured are economically procurable from only one source, such as contracts for telephone service, electrical energy and other public utility services, books, pamphlets, and periodicals and specially designed business and research equipment and related supplies.

2. Where the services required are for professional or artistic skills pursuant to a written contract.

3. In emergencies involving public health, public safety, or where immediate expenditure is necessary for repairs to city property in order to protect against further loss or damage to city property or to prevent or minimize serious disruption in city services. Where funds of this nature are expended in an emergency by purchase, contract, or otherwise, the city council shall be notified of the expenditure and the justification of such expenditure.

4. Contracts for the maintenance, servicing, or provision of repair parts for equipment which are made with the manufacturer or authorized service agent of that equipment where the provision of parts, maintenance or servicing can be best performed by the manufacturer or authorized service agent or when such contract would otherwise be advantageous to the city.

5. Purchases and contracts for the use, purchase, delivery, movement, or installation of data processing equipment, software or services; telecommunications and interconnect equipment; software or services, or any contract for photocopying machines, supplies or service.

6. Where the goods or services are procured from other governmental agencies.

7. Any contract for goods, services or supplies when it is determined to be in the best interests of the city by a vote of two-thirds ($\frac{2}{3}$) of the council members present, but at least four (4) votes are required. (Ord. 2012-20)

AUTHORIZATION TO BID

The Finance Department Purchasing Risk/Management Specialist has been requested to solicit bids on the following:

Requesting Department: Public Works – Northwest Wastewater Treatment Plant CIP No. WW1804

Project/Item(s): NWWWTP Building for Screw Press

Amount Budgeted: \$770,000

Estimate: \$

Explanation for non-budgeted projects/items and/or variations:

Advertise: Saturday, April 1, 2023

Pre-Bid Meeting: Thursday, April 13, 2023 @ 10:00 am

Bid Opening: Tuesday, April 25, 2023 @ 10 a.m.

To City Council: May 9, 2023

Award Subject to Local Preference Ordinance: Yes, if available locally

Submitted by:



Purchasing/Risk Management Specialist

3/27/2023

Date

Recommended for Approval ☒; Denial ☐

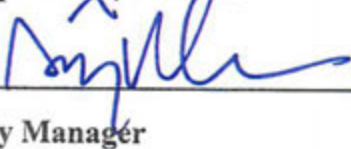


Finance Director

3-27-2023

Date

Approved ☒; Denied ☐



City Manager

3-27-2023

Date

CITY OF CARBONDALE, ILLINOIS
INVITATION FOR BIDS

The City of Carbondale, Illinois, does hereby invite sealed bids for

**Lift Station Rehabilitation
Bradford Lane, Pine Lake and Bonnie Brae Subdivision**

This project involves complete rehabilitation of three sanitary sewer duplex lift stations located at Bradford Lane, Pine Lake, and Bonnie Brae Subdivision, including removal of existing and installation of new control panels and pumps. The City is in possession of new pumps and control panels for all three sites, to be installed by Contractor.

Bids will be received until **Thursday, July 13, 2023, at 10:00 a.m.**, by mail or delivered by hand to the Finance Department Purchasing Office, City of Carbondale, 200 South Illinois Avenue, Carbondale, Illinois, immediately after which time and at such place all bids will be publicly opened and read aloud.

A **pre-bid** meeting will be held on **Thursday, July 6, 2023, at 10:00 a.m.**, at the Carbondale City Center, 200 South Illinois Avenue, Carbondale, IL 62901.

Proposals shall be submitted on forms furnished by the City and shall be marked **Bid No. 24-07.**

Bid security in the form of a certified bank check or bank draft payable to the City of Carbondale, or a satisfactory bid bond, in the amount of 10% of the total bid price, as specified in Section 2-7 of the General Conditions, and the City of Carbondale's Policy for Disadvantaged Business Enterprise and/or Workforce Participations Goals in Contracts are required to be submitted with the Bid.

This project is also subject to the State of Illinois Job Works Program Act and the Illinois Works Apprentice Initiative.

Contractor shall not pay less than the prevailing rates of wages to all laborers, workmen, and mechanics performing work under this contract, and shall comply with the requirements of the Illinois Wages of Employees on Public Works Act (820ILCS 130/1-12).

No bid shall be withdrawn for a period of forty-five (45) days subsequent to the opening of bids without consent of the City of Carbondale.

The Contract shall be awarded to the lowest responsible bidder complying with the provisions of this Invitation for Bids. The owner reserves the right to reject any or all proposals and to waive any informality or technicality in any proposal in the interest of the City.

Bid documents may be obtained by contacting the City's Purchasing Office at (618) 457-3231 for a non-refundable deposit of **\$50.00** per set beginning on **Monday, June 26, 2023 at 10:00 a.m.**

Christi Green
Purchasing/Risk Management Specialist

City of Carbondale, Illinois
Bidder/Vendor Registration Form

PLEASE TYPE OR PRINT

Company's Legal Name _____		
Address _____		
Purchase Order Address _____		
Payment Address _____		
Telephone Number _____	Type of Organization:	
Fax Number _____	Individual	_____
E-mail _____	Partnership	_____
Federal Tax Identification Number _____	Corporation	_____
(Attach W-9)	Other - Specify _____	
How Long in Present Business _____	Please indicate if you are a Minority or Woman Owned Business Yes _____ No _____	
Type of Business or Service:		
_____ Manufacturer	_____ Distributer	_____ Wholesaler
_____ Construction	_____ Repair	_____ Other- Specify _____

Identify person(s) having the authority to contractually bind the company. Indicate if individual is an agent of your company.

Name	Capacity	Phone Number/Email
_____	_____	_____
_____	_____	_____
_____	_____	_____

Supplies, Materials and/or Services on which you wish to bid:

Signature

Date

Please remit completed form to:

City of Carbondale Finance Department, Purchasing
200 South Illinois Avenue, P.O. Box 2047 Carbondale,
IL 62902-2047
Fax: (618) 549-8067
cgreen@explorecarbondale.com

**CERTIFICATE IN CONNECTION WITH PURCHASE OF SUPPLIES,
EQUIPMENT & MATERIALS IN EXCESS OF \$10,000.00**
(This certificate must be furnished to the City Manager in connection with each purchase.)

The undersigned hereby certifies:

1. That the supplies, equipment or materials sought to be purchased are as follows:
BID NO.: 22-11
PROJECT NAME: Illinois Avenue Streetscape Improvements - Phase 3
2. That specifications particularly and specifically describing same have been prepared, are complete in every detail, and a copy of same is attached.
3. That such supplies, equipment, or materials are needed in connection with:
Illinois Avenue Streetscape Improvements - Phase 3
4. That a notice calling for sealed bids are to be submitted on:
Bid Opening: November 23, 2021 at 10:00 a.m.
has been prepared, is attached hereto, and that the date fixed therein for reception of bids is more than 7 days after the date of this Certificate.
5. That a copy of such notice calling for sealed bids and a copy of the specifications have been furnished either by mail or personally this day to firms or persons most likely to be interested in submitting bids and furnishing such supplies, as follows:
(All persons advised about the requirements, either by mail, telephone, or personally must be listed here - three (3) or more competitors must be notified.)

Dean Bush Construction
3828 S. Illinois Avenue
Carbondale, IL 62903
Phone: 618-549-1600
Fax: 618-549-1600
mbush1957@aol.com

Fager-McGee Comm. Const.
PO Box 1239
Murphysboro, IL 62966
Phone: 618-687-3900
Fax: 618-687-3639
bids@fager-mcgee.com

E.T. Simonds Construction
Chad Masterson
PO Box 2107
Carbondale, IL 62902
Phone: 618-457-8191
Fax: 618-549-0131
cmasterson@etsimonds.com

J & L Robinson Construction Co.
501 W. Industrial Park Road
Carbondale, IL 62901
Phone: (618) 549-3391
Fax: (618) 457-4324
jerry@jlrob.com

ACIX
3981 State Rt 3 North
Chester, IL 62233
Phone: 618-826-2854
Fax: 618-826-3586
acixoffice@gmail.com

Samron Midwest Contracting
1510 N 7th Street
Murphysboro, IL 62966
Phone: 618-687-5500
Fax: 618-687-5153
dmurray@samron.com

Evrard-Strang Construction
1703 East DeYoung
Marion, IL 62959
Phone: 618-997-8997
Fax: 618-997-9978
estimating@e-sconstrucion.com

Brian Bush Contracting
936 Pleasant Hill Road
Carbondale, IL 62902
Phone: 618-529-6938
rbbusdhcon00@gmail.com

Scott Escue Construction LLC
PO Box 64
Cobden, IL 62920
Phone: 618-534-2032
scottescue81@gmail.com

Heartland Services, Inc.
4014 District 204 Road
Tamaroa, IL 62888
Phone: 618-318-5674
kenj@heartlandservicesinc.com

PLANHOUSES
SIBA
Dodge Data & Analytics
PrimeVendor
Construct connect

TO BE AWARDED ON December 14, 2021
This is the 25th day of October, 2021

Name: _____
Christi Green
Purchasing/Risk Mgt Specialist

CITY OF CARBONDALE, ILLINOIS

INVITATION FOR BIDS

The City of Carbondale, Illinois, does hereby invite sealed bids for

Illinois Avenue Streetscape Improvements - Phase 3
CIP No. SP0904

The proposed improvement consists of furnishing all labor, equipment, and materials to remove and replace sidewalk, pavement, driveway pavement, brick street pavers, storm sewer, curb & gutter. Install decorative roadway lighting, electrical conduit, and other work as necessary according to the plans and the specifications. The total project length is approximately 1,080 feet (0.2045 miles) and is located on Illinois Avenue from Monroe Street to Oak Street.

Bids will be received until **Tuesday, November 23, 2021 at 10:00 A.M.**, by mail or delivered by hand to the Finance Department Purchasing Office, City of Carbondale, 200 South Illinois Avenue, Carbondale, Illinois, immediately after which time and at such place all bids will be publicly opened and read aloud.

A pre-bid meeting will be held on **Tuesday, November 9, 2021 at 10:00 A.M.** at the Carbondale Civic Center, 200 South Illinois Avenue, Carbondale, IL 62901.

Proposals shall be submitted on forms furnished by the City and shall be marked **Bid No. 22-11**

Bid security in the form of a certified bank check or bank draft payable to the City of Carbondale, or a satisfactory bid bond, in the amount of 10% of the total bid price, as specified in Section 2-7 of the General Conditions and The City of Carbondale's Policy for Disadvantaged Business Enterprise and/or Workforce Participation Goals in Contracts are required to be submitted with the Bid.

This Project is also subject to the Illinois Works Jobs Program Act and the Illinois Works Apprentice Initiative.

Contractor shall not pay less than the prevailing rates of wages to all laborers, workmen, and mechanics performing work under this contract, and shall comply with the requirements of the Illinois Wages of Employees on Public Works Act (820ILCS 130/1-12).

No bid shall be withdrawn for a period of forty-five (45) days subsequent to the opening of bids without consent of the City of Carbondale.

The Contract shall be awarded to the lowest responsible bidder complying with the provisions of this Invitation for Bids. The owner reserves the right to reject any or all proposals and to waive any informality or technicality in any proposal in the interest of the City.

Bid Documents may be obtained by contacting the City's Purchasing Office at (618) 457-3231 for a non-refundable deposit of \$50.00 beginning on **Monday, October 25 at 8:00 A.M.**

Christi Green
Purchasing/Risk Management Specialist
Phone: (618) 457-3231
Fax: (618) 549-8067
cgreen@explorecarbondale.com

Plans cost \$50.00. Payment shall be made to City of Carbondale and is not refundable.

Plan Holders
(as of Tuesday, August 15, 2023)

City of Carbondale
Bid No. 20-14
Haake Jenkins Lift Station Replacement
CIP No. SA1302

Pre-Bid Tuesday, March 10, 2020 at 10:00 a.m.
Bid Opens Tuesday, March 17, 2020 at 10:00 a.m.
Planned to be taken to Council March 24, 2020

Organization	Organization
ACI X PO Box 315 Chester, IL 62233 Phone: 618-826-2854 acixoffice@gmail.com	Midwest Petroleum & Excavating, Inc. PO Box 544 Benton, IL 62812 Phone: 618-435-2645 Jslampley33@yahoo.com
Wiggs Excavating, Inc. PO Box 866 Benton, IL 62812 Phone: 618-927-7171 Jwiggs71@yahoo.com	Haier Plumbing & Heating, Inc. 301 Elkton Street Okawville, IL 62271 Phone: 618-243-5908 jimrossel@haierplumbing.com
Skuta Construction 10090 Crenshaw Road Marion, IL 62959 Phone: 618-218-2592 skutakevin@yahoo.com	R.B.Bush Contracting & Excavating, LLC 936 E. Pleasant Hill Road Carbondale, IL 62902 Phone: 618-528-6938 Rbbushcon00@gmail.com
Scott Escue Construction PO Box 64 Cobden, IL 62920 Phone: 618-534-2032 Scottescue81@gmail.com	
SIBA ePlan ConstructConnect	

City of Carbondale Pre-Bid Opening

Pre-Construction Meeting Bid No. 22-11
Illinois Avenue Streetscape Improvements – Phase 3

Wednesday, February 9 at 9:00 a.m.
City Hall Finance Library, 200 South Illinois Avenue

Name

Organization

Phone

Email

City-Finance-Purchasing

Name

Organization

Phone

Email

DBE and/or Workforce Goals

- It is the policy of the CITY OF CARBONDALE to provide contracting and subcontracting opportunities to Disadvantaged Business Enterprises (DBE) and /or Workforce. In complying with these policies, Bidders must take affirmative steps to assure that disadvantaged businesses and workforce are used to supply labor, equipment, products, and construction-related services.
- It is the policy of the CITY OF CARBONDALE that all public works contracts falling within the scope of Carbondale Revised Code 1-6-13 be awarded to businesses that utilize minorities, women, and persons with disabilities as employees. Such workforce should perform no less than 25% of the total dollar amount of the awarded contract or 25% of the labor force combined.
- It is the policy of the CITY OF CARBONDALE that if the Bidder is unable to achieve the required DBE and/or Workforce participation, the Bidder must seek a waiver request. This form can be found in bid packet.
- It is the policy of the CITY OF CARBONDALE that all public works contracts will only be offered/awarded if the Bidder has been determined to make good faith efforts to meet the goals of the City's DBE and/or Workforce participation policy.
- GOOD FAITH EFFORTS (definition) - at the City of Carbondale's discretion are efforts which demonstrate that the bidder has exhausted all reasonable means to comply with any affirmative action, hiring or contractual goal(s) pursuant to the DBE goal or another requirement of this article.
- More information can be found through the city's website www.explorecarbondale.com under the City of Carbondale's Policy for Disadvantaged Business Enterprise and/or Workforce Participation Goals in Contracts.

ADDENDUM NO. 1

Date: November 8, 2021
Illinois Avenue Streetscape Improvements – Phase 3
CIP No. SP0904
Bid No. 22-11

SCOPE: this Addendum No 1 consists of pages 1 through 38. The following modifications shall be made to the contract specifications and/or drawings for this project.

SPECIFICATIONS:

Revisions to Division 0 – Bidding & Contract Requirements

Page 0020-1 Invitation for Bid – Paragraph 7 should read “Contractor shall not pay less than the prevailing rates of wages to all laborers, workmen, and mechanics performing work under this contract, and shall comply with the requirements of the *Davis-Bacon Act*.”

Page 00470-1-2 – Prevailing Wage Requirements – Please use the Wage Rate Determination #IL20210016 requirements that are attached.

Page 0500 – 1-3 – Standard Agreement Forms – Added pages 4-18 Certification of Bidder Regarding Equal Employment Opportunity, Certification of Bidder Regarding Section 3 and Segregated Facilities, Certification of Proposed Subcontractor Regarding Equal Employment Opportunity, Certification of Proposed Subcontractor Regarding Section 3 and Segregated Facilities, Contractor’s Certification Concerning Labor Standards and Prevailing Wage Requirements, Subcontractor’s Certification Concerning Labor Standards and Prevailing Wage Requirements, Section 3 Plan Format, Proposed Subcontracts Breakdown –Table A, Estimated Project Workforce Breakdown –Table B, Noncollusion Affidavit of Prime Bidder, Certificate of Owner’s Attorney forms.

DRAWINGS:

Updated PDF plans to include the electrical plans pages 38-43 of 43.

General Notes and Highway Standards -Page 2 of 43 in addition to the last paragraph, the Contractor is responsible to secure bond for the IDOT permit.

END OF ADDENDUM

Please acknowledge receipt of this Addendum No. 1 by signing and returning one copy with the Proposal document.

Please do not hesitate to contact me, Christi Green at 618-457-3231 if you have any questions regarding this addendum.



Christi Green
Purchasing/Risk Management Specialist

Signature of Bidder

RETURN WITH BID



"General Decision Number: **IL20210016 10/22/2021**

Superseded General Decision Number: IL20200016

State: Illinois

Construction Types: **Heavy and Highway**

Counties: Alexander, Clay, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Wayne, White and Williamson Counties in Illinois.

CRAWFORD, EFFINGHAM & JASPER COUNTIES:

HEAVY CONSTRUCTION PROJECTS (including Sewer & Water Line Construction & Drainage Projects) & HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects, and railroad construction; bascule, suspension & spandrel arch bridges; bridges designed for commercial navigation; bridges involving marine construction, other major bridges).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.



Modification	Number	Publication Date
	0	01/01/2021
	1	02/05/2021
	2	02/26/2021
	3	03/05/2021
	4	03/12/2021
	5	04/02/2021
	6	05/14/2021
	7	06/04/2021
	8	06/11/2021
	9	07/02/2021
	10	07/23/2021
	11	08/06/2021
	12	09/17/2021
	13	09/24/2021
	14	10/22/2021

CARP0243-007 05/15/2020

CRAWFORD, EFFINGHAM, and JASPER COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 33.54	27.97
PILEDRIVERMAN.....	\$ 33.54	27.97

CARP0634-002 05/01/2021

CLAY, EDWARDS, FAYETTE, LAWRENCE, MARION, RICHLAND, and WABASH COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 39.02	18.90

CARP0636-001 05/01/2021

HAMILTON, JEFFERSON, WAYNE, and WHITE COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 39.02	18.90

DIVERS (receive 1 1/2 times carpenter rate plus fringes and \$25 per day for equipment)

CARP0640-005 05/01/2021

ALEXANDER, FRANKLIN, HARDIN, MASSAC, JACKSON, PERRY, POPE, JOHNSON, GALLATIN, PULASKI, SALINE, UNION, and WILLIAMSON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 38.52	18.90



DIVERS (Receive 1 1/2 times Carpenter's rate plus fringe benefits and \$25.00 per day for equipment)

CARP0662-001 05/01/2020

RANDOLPH COUNTY

	Rates	Fringes
CARPENTER.....	\$ 40.37	18.42

ELEC0016-002 05/17/2021

WABASH COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 39.92	18.35

ELEC0051-004 03/01/2021

FAYETTE COUNTY (North of Avena, Bear Grove, Sefton, and Sharon TWPS)

	Rates	Fringes
Line Construction		
Groundman/Equipment		
Operator (All crawler type equipment larger than D-4, 15 ton crane or larger).....	\$ 49.37	32.5%+6.75
Groundman/Truck Driver.....	\$ 37.44	32.5%+6.75
Lineman and Substation		
Technician.....	\$ 54.95	32.5%+6.75

ELEC0146-004 06/01/2021

EFFINGHAM (Banner, Bishop, Douglas, Liberty, Lucas, Moccasin, St. Francis, Summit, & Teulopolis TWPS), AND FAYETTE (Hurricane, S. Hurricane, Ramsey, Bowling Green, Carson, & Loudon TWPS) COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 40.20	19.81

ELEC0309-004 08/31/2020

RANDOLPH COUNTY (Red Bud Twp)

	Rates	Fringes
ELECTRICIAN.....	\$ 43.04	38.81%+7.99

ELEC0309-009 12/07/2020

RANDOLPH COUNTY (Red Bud Township)

	Rates	Fringes
LINE CONSTRUCTION		
Cable Splicer; Lineman		
Welder.....	\$ 59.42	43.12%
Groundman Equipment		
Operator.....	\$ 49.22	43.12%
Groundman Truck Driver.....	\$ 40.17	43.12%
Groundman.....	\$ 36.74	43.12%
Lineman.....	\$ 56.59	43.12%

ELEC0702-001 01/01/2021

ALEXANDER, CLAY, EDWARDS, EFFINGHAM (Excluding Banner, Bishop, Douglas, Liberty, Lucas, Moccasin, St. Francis, Summit and Teulopolis TWPS), FAYETTE (Excluding Hurricane, S. Hurricane, Ramsey, Bowling Green, Carson and Loudon TWPS), FRANKLIN, GALLATIN, HAMILTON, HARDIN, JACKSON, JEFFERSON, JOHNSON, MARION, MASSAC, PERRY, POPE, PULASKI, SALINE, UNION, WAYNE, WHITE, AND WILLIAMSON COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 46.02	24.32

ELEC0702-002 01/03/2021

ALEXANDER, CLAY, CRAWFORD, EDWARDS, EFFINGHAM, FRANKLIN, FAYETTE (Excludes portion North Avena), GALLATIN, HAMILTON, HARDIN, JACKSON, JASPER, JEFFERSON, JOHNSON, LAWRENCE, MARION, MASSAC, PERRY, POPE, PULASKI, RANDOLPH (Except Red Bud Twps), RICHLAND, SALINE, UNION, WABASH, WAYNE, WHITE, AND WILLIAMSON COUNTIES;
CLARK, COLES (Southern Half), CUMBERLAND, MOULTRIE (Whitley TWP), and SHELBY (Except West of Holland, Prairie, Richland, & Windsor TWPS) COUNTIES;
BOND (Eastern Half), and WASHINGTON (OKAWVILLE & VENDY TWPS) COUNTIES

	Rates	Fringes
Line Construction		
Groundman - Class A.....	\$ 33.27	29%+8.00
Groundman - Equipment		
Operator Class II (all other equipment).....	\$ 40.51	29%+8.00
Heavy - Equipment Operator		
Class I (all crawler type equipment D-4 and larger)...	\$ 45.43	29%+8.00
Lineman.....	\$ 57.09	29%+8.00

ELEC0702-016 09/01/2019

BUILDING

ALEXANDER, BOND (Eastside), CLAY, CLINTON (Eastside), EDWARDS, EFFINGHAM (Southwestern side), FAYETTE (Southside), FRANKLIN, GALLATIN, HAMILTON, HARDIN, JACKSON, JEFFERSON, JOHNSON, MARION, MASSAC, PULASKI, PERRY, POPE, RANDOLPH (Southeastern side), SALINE, UNION, WASHINGTON (Southeastern side), WAYNE, WHITE, and WILLIAMSON COUNTIES

	Rates	Fringes
ELECTRICAL LOW VOLTAGE WIRING		
INSTALLER.....	\$ 35.89	14.27

Installation, service and maintenance of low-voltage systems which utilizes the transmission and/or transference of voice, sound, vision, or digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background/foreground music, intercom and telephone interconnect, field programming, inventory control systems, microwave transmission, multi-media, multiplex, radio page, school, intercom and sound burglar alarms and low voltage master clock systems.

* ELEC0725-004 10/01/2021

CRAWFORD, JASPER, LAWRENCE, AND RICHLAND COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 39.00	21.01

ENGI0318-001 04/01/2021

ALEXANDER, FRANKLIN, GALLATIN, HAMILTON, HARDIN, JACKSON, JOHNSON, MASSAC, POPE, PULASKI, SALINE, UNION, WHITE, AND WILLIAMSON COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment		
Class A.....	\$ 35.15	26.00+a
Class B.....	\$ 33.25	26.00+a
Class C.....	\$ 25.85	26.00+a
River		
Class 1.....	\$ 35.25	26.00+a
Class 2.....	\$ 31.80	26.00+a

Class A: All Off Road Material Hauling Equipment, All Terrain Crane, Articulated Dump, Asphalt Machine Spreader, Asphalt Plant Assistant Operator, Asphalt Plant Operator, Asphalt Widener, Assistant Operator on Rotomills, Autograder, Automatic Slipform Pavers, Backend Man on Asphalt Machine, Backhoes, Barrel Grappler Devices (All), Blacksmith, Blade Operators (All), Boat Operators (all) Bridges, Boat Pilots requiring certification and/or

licensing, Dams & Waterways, Boilers, Boom or Winch Cat, Boom or Winch Type Trucks, Boring Machines-Horizontal, Clamshell, Orange Peel Operator, Concrete Breaker, Concrete Groover, Concrete Grinder, Concrete Curb Machine, Concrete Finish Machine or Spreader Operator, Concrete Mixer Paver, Concrete Pump Truck, Concrete Plant Operator, Concrete Wheel Saw Operators, Cranes(All) Truck/Track/Rubber, Crane (Overhead) Operator, Derrick Guy or Derrick Trucks, Ditching Machines (All), Dozer Operators, Dragline or Shovel Operators, Dredge Booster Pump, Dredge Engineman, Dredge Operator/Leverman, Drill Cat w/Compressor Mounted, Drilling or Boring Machine Rotary-Self-Propelled, Endloaders (All) Track/Rubber Elevating Grader, Flexplane, Forklifts/Tele-Handlers (All), Geothermal Well Drilling, GPS on machines already under the jurisdiction of Local 318, Gradall; Greasers, Heavy Equipment Robotics Operator, Hi-Lift, Hoists, Hosting Engine, Horizontal Directional Drill Operator, Incinerators (Haz-Mat only), Laser Screed, Locomotive/Operator, Master Mechanic, Mixers 21 cu. ft. or over, Motor Patrol, Pile driver operator, Pulls & Scrapers, Power Pac & Controls (Pile Driving), Pug mill, Pulverizer or Tillers, Push Cats, Quad Trac, Rotomills, Rotating Cab Forklifts, Rubber Tired Farm Tractor with Attachments over 1/2 yd., Self-Propelled Chip Spreader, Self-Propelled Roller w/Attachments, Shot Blaster/Bridge Deck, Shuttle Buggy, Side booms, Skid loader (Skid steers), Skimmer Scoop, Spyder Crane, Stationary Rock Slinger, Trackhoe and all attachments, Trench Machine Operator, Tuggers, Ultra High Pressure Water Jet Cutting Machine, Vacuum, Vacuum Blasting Machine Operator, Vac Jet, Welders, Well or Caisson Drills, Well Point Pumps-2 or more, Wood Chipper w/Tractor.

Class B: Oilers classified as Assistant Operators, Air Track Drill/Compressor, All Machines used to Sweep, Clean, Broom or remove debris or snow, Any type tractor pulling Roller or Disc, Automatic Bins or Scales w/Compressor or Generator, Bulk Cement Plant w/Separate Compressor, Concrete Curb Machine requiring Electronics, Concrete Plant Assistant Operators, Concrete or Pump crete Pumps, Deck Hand on Boats, Dredge Assistant Operator/Mate, Power Broom, Self-Propelled Roller/Compactor, Straw Mulcher Blower, Stump Cutter Machine, Two Air Compressors (220 CFM or over), Two Air Track Drills. Air Compressor w/valve driving piling, Assistant operator (where required refer to article vii section 9), Elevator Operator, Form Grader, Man Lift (scissor lift) when lifting materials, Pildriver activating air or hydraulic valve regardless of location, Rubber-tired farm type tractor w/Blade/Bulldozer/Auger/Hi-lift of 1/2 yard or less, Self-propelled concrete saw, Self-propelled robotics roller in use two continuous hours or more shall be manned by an operating engineer, Self-propelled

vibrator, Truck crane assistant operator, Two Conveyors.

Class C: Air Compressor (220 CFM or over) one, Air Track Drill one, Automatic Bin, Belt Drag Machine, Bulk Cement Plant w/built-in compressor running off same motor or electric motor, fireman or switchman, Mechanic in permanent shops without separate signed Collective Bargaining Agreements (Nov. 1 through March 31), Mechanical plasterer applicator, Pipe Tract Jack, Power Broom, Self-propelled from tamper, Trac-Air, Mixers - less than 21 cu.ft., Mortar Mixer w/ski or pump, Mud Jacks, one well point pump, Wood Chipper.

One Operating Engineer may operate or maintain any combination of the following pieces of equipment, not to exceed four (4), which shall be within reasonable distance; such combination may include the equipment in this classification: Air Compressor (under 220 CFM) Four, Light Plants, Generators, Pumps, Conveyors, Motor Driven Heaters (2), Welding Machines, Ulmac or Equal Spreader

River Class 1: All Off Road Material Hauling Equipment, All Terrain Crane, All Power Boat Operators, Articulated Dump, Asphalt Machine Spreader, Asphalt Plant Operator, Asphalt Widener, Autograder, Automatic Slipform Pavers, Backhoes, Barrel Grapppler Devices (All), Blacksmith, Blade Operators (All), Boat Pilots requiring certification and or licensing, Boat Operators (all) Bridges, Dams & Waterways, Boilers, Boom or Winch Cat, Boom or Winch Type Trucks, Boring Machines-Horizontal, Clamshell, Orange Peel Operator, Concrete Breaker, Concrete Curb Machine, Concrete Finish Machine or Spreader Operator, Concrete Mixer Paver, Concrete Pump Truck, Concrete Plant Operator, Concrete Wheel Saw Operators, Cranes(All) Truck/Track/Rubber, Crane (Overhead) Operator, Derrick Guy or Derrick Trucks, Ditching Machines (All), Dozer Operators, Dragline or Shovel Operators, Dredge Booster Pump, Dredge Engineman, Dredge Operator/Leverman, Drill Cat w/Compressor Mounted, Drilling or Boring Machine Rotary-Self-Propelled, Endloaders (All) Track/Rubber Elevating Grader, Flexplane, Forklifts/Tele-Handlers (All), Geothermal Well Drilling, GPS on machines already under the jurisdiction of Local 318, Gradall; Greasers, Heavy Equipment Robotics Operator, Hi-Lift, Hoists, Hosting Engine, Horizontal Directional Drill Operator, Incinerators (Haz-Mat only), Laser Screed, Locomotive/Operator, Master Mechanic, Mixers 21 cu. ft. or over, Motor Patrol, Piledriver operator, Pulls & Scrapers, Power Pac & Controls (PileDriving), Pug mill, Pulverizer or Tillers, Push Cats, Quad Trac, Rotating Cab Forklifts, Rotomills, Rubber Tired Farm Tractor with Attachments over 1/2 yd., Self-Propelled Chip Spreader, Self-Propelled Roller w/Attachments, Shuttle Buggie, Side booms, Skid loader (Skidsteers), Skimmer Scoop, Spyder Cranes, Trackhoe



and all attachments, Trench Machine Operator, Tuggers, Ultra High Pressure Water Jet Cutting Machine, Vacuum, Vacuum Blasting Machine Operator, Vac Jet, Welders, Well or Caisson Drills, Well Point Pumps-2 or more, Wood Chipper w/Tractor.

River Class 2: Assistant Operators required on All terrain cherry picker w/over 40 ton lifting capacity, Crane, Deckhand on all rivers, lakes, and tributaries, Dinky or standard locomotive, Ditching machine (80 h.p. and over), Dragline, Dredge, Gradall, Guy Derrick, Assistant operators or firman on crane, Piledriver, Shovel, Trenching Machine, Truck Crane.

Footnote A - Hazardous Waste Premium: Level (A)-receive \$3.00 above rate; Level (B)-receive \$2.00 above rate; Level (C)-receive \$1.50 above rate; Level (D)-receive \$1.00 above rate.

ENGI0520-002 08/01/2017

FAYETTE, JEFFERSON, MARION, PERRY, and RANDOLPH COUNTIES

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 01.....	\$ 36.85	30.70
Group 02.....	\$ 35.72	30.70
Group 03.....	\$ 31.24	30.70
Group 04.....	\$ 31.30	30.70
Group 05.....	\$ 30.97	30.70
Group 06.....	\$ 39.40	30.70
Group 07.....	\$ 39.70	30.70
Group 08.....	\$ 39.33	31.35
Group 09.....	\$ 37.20	31.35
Group 10.....	\$ 38.20	31.35
Group 11.....	\$ 38.20	31.35
Group 12.....	\$ 39.20	31.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Cranes, Draglines, Shovels, Skimmer Scoops, Clamshells or Derrick Boats, Pile Drivers, Crane-Type Backhoes, Asphalt Plant Operators, Concrete Plant Operators, Dredges, Asphalt Spreading Machines, Screws on Asphalt Spreading Machines, All Locomotives, Cable Ways or Tower Machines, Hoists, Hydraulic Backhoes, Ditching Machines, or Backfiller, Cherrypickers, overhead Cranes, Roller, Steam or Gas, Concrete Pavers, Excavator Concrete Breakers, Concrete Pumps, Bulk Cement Plants, Cement Pumps, DerrickType Drills, Boat Operators, Motor Graders or Pushcats, Scoops or Toumapulls, Bulldozers, Endloaders or Fork Lifts, Power Blade or Elevating Graders, Winch Cats,

Boom or Winch Trucks or Boom Tractors, Pipe Wrapping or Painting Machines, Asphalt Plant Engineer, Journeyman Lubricating Engineer, Drills (other than derrick type), Mud Jacks, or Well Drilling Machines, Boring Machines or Track Jacks, Mixers, Conveyors (two), Air Compressors (two) Water Pumps, regardless of size (two), Welding Machines (two), Siphons or Jets (two), Winch Head or Apparatuses (two), Light Plants (two), Waterblasters (two), all Tractors, regardless of size (straight tractor only), Fireman on Stationary Boilers, Automatic Elevators, Form Grading Machines, Finishing Machines, Power Sub-Grader or Ribbon Machines, Longitudinal Floats, Distributor Operators on Trucks, Winch Heads or Apparatuses (one), Mobil Track air and heaters (two to five), Heavy Equipment Greaser, Relief Operator, Assistant Master Mechanic and Heavy Duty Mechanic, concrete saws of all types and sizes with their attachments, gobhoppers, excavators all sizes, the repair, greasing, and fueling of all diesel hammers, the operation, set-up and cleaning of bidwells, concrete placement booms, the alterations, repair of all barges, water blasters of all sizes and their clutches, mobile lifts, hydraulic jacks where used for hoisting, diesel or gas powered flashing signs used for traffic control, micro pavers, log skidders, iceolators used on and off of pipeline, condor cranes, drill rigs of all sizes, bow boats, survey boats, ross carriers, bob-cats and all their attachments, skid steer loaders and all their attachments, creter crane, direct drive electric motors the bolting and unbolting the adjusting and shimming, (dewatering jobs, whirley crane, conveyor belts) etc., batch plants (all sizes), roto mills, conveyors systems of any size and any configuration, hydroseeders and strawblowers all sizes, operation, repair, service of all vibratory hammers, all power pacs and their controls regardless of location, curtains or brush burning machines, stump cutter machines, grout machines regardless of size, Nail launchers when mounted on a machine or self-propelled, con-cover machines, Goldhofer and similar S.P.M.T. (self-propelled modular transporters) heavy transport units and all Operators (except those listed below).

Group 2: Assistant Operators

GROUP 3: Air Compressor One; Water Pump regardless of size One; Welding Machine One; 1-Bag Mixer One; Conveyor One; Siphon or Jet; Light Plant One; Heater One; Immobile Track Air One

GROUP 4: Firemen on Whirlies and Asphalt Spreader Oiler; Heavy Equipment Oilers; Truck Cranes; Monigans; Large over 65 tons capacity; Concrete Plant Oiler and Black Top Plant Oiler

GROUP 5: Oilers

GROUP 6: Operators on equipment with Booms, including Jibs, 100 ft and over, but less than 150 ft

GROUP 7: Operators on equipment with Booms, including Jibs, 150 ft and over, but less than 200 ft

GROUP 8: Operators on equipment with Boomns, including Jibs, 200 ft and over; Tower Cranes, and Whirley Cranes

GROUP 9: Certified crane Operators, Below 17.5 tons, when requested by the Contractor or required by the Owner.

GROUP 10: Certified crane Operators 17.5 tons and above, when requested by the Contractor or required by the Owner.

GROUP 11: Master Mechanic

GROUP 12: Licensed Boat Pilot

ENGI0520-004 08/01/2019

INCLUDING BUILDING CONSTRUCTION ON HEAVY INDUSTRIAL SITES &
HEAVY CONSTRUCTION EXCEPT DREDGING AND RIVER WORK

FAYETTE, JEFFERSON, MARION, PERRY, and RANDOLPH COUNTIES

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 01.....	\$ 38.80	33.05
Group 02.....	\$ 37.67	33.05
Group 03.....	\$ 33.19	33.05
Group 04.....	\$ 33.25	33.05
Group 05.....	\$ 32.92	33.05
Group 06.....	\$ 41.35	33.05
Group 07.....	\$ 41.65	33.05
Group 08.....	\$ 41.93	33.05
Group 09.....	\$ 39.80	33.05
Group 10.....	\$ 40.80	33.05
Group 11.....	\$ 40.80	33.05
Group 12.....	\$ 41.80	33.05

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Cranes, Draglines, Shovels, Skimmer Scoops, Clamshells or Derrick Boats, Pile Drivers, Crane-Type Backhoes, Asphalt Plant Operators, Concrete Plant Operators, Dredges, Asphalt Spreading Machines, Screws on Asphalt Spreading Machines, All Locomotives, Cable Ways or Tower Machines, Hoists, Hydraulic Backhoes, Ditching

Machines, or Backfiller, Cherrypickers, overhead Cranes, Roller, Steam or Gas, Concrete Pavers, Excavator Concrete Breakers, Concrete Pumps, Bulk Cement Plants, Cement Pumps, Derrick-Type Drills, Boat Operators, Motor Graders or Pushcats, Scoops or Tournapulls, Bulldozers, Endloaders or Fork Lifts, Power Blade or Elevating Graders, Winch Cats, Boom or Winch Trucks or Boom Tractors, Pipe Wrapping or Painting Machines, Asphalt Plant Engineer, Journeyman Lubricating Engineer, Drills (other than derrick type), Mud Jacks, or Well Drilling Machines, Boring Machines or Track Jacks, Mixers, Conveyors (two), Air Compressors (two) Water Pumps, regardless of size (two), Welding Machines (two), Siphons or Jets (two), Winch Head or Apparatuses (two), Light Plants (two), Waterblasters (two), all Tractors, regardless of size (straight tractor only), Fireman on Stationary Boilers, Automatic Elevators, Form Grading Machines, Finishing Machines, Power Sub-Grader or Ribbon Machines, Longitudinal Floats, Distributor Operators on Trucks, Winch Heads or Apparatuses (one), Mobil Track air and heaters (two to five), Heavy Equipment Greaser, Relief Operator, Assistant Master Mechanic and Heavy Duty Mechanic, concrete saws of all types and sizes with their attachments, gob-hoppers, excavators all sizes, the repair, greasing, and fueling of all diesel hammers, the operation, set-up and cleaning of bidwells, concrete placement booms, the alterations, repair of all barges, water blasters of all sizes and their clutches, mobile lifts, hydraulic jacks where used for hoisting, diesel or gas powered flashing signs used for traffic control, micro pavers, log skidders, iceolators used on and off of pipeline, condor cranes, drill rigs of all sizes, bow boats, survey boats, ross carriers, bob-cats and all their attachments, skid steer loaders and all their attachments, creter crane, direct drive electric motors the bolting and unbolting the adjusting and shimming, (dewateringjobs, whirley crane, conveyor belts) etc., batch plants (all sizes), roto mills, conveyors systems of any size and any configuration, hydroseeders and straw-blowers all sizes, operation, repair, service of all vibratory hammers, all power pacs and their controls regardless of location, curtains or brush burning machines, stump cutter machines, grout machines regardless of size, Nail Launchers when mounted on a machine or self-propelled, con-cover machines, Goldhofer and similar S.P.M.T. (self-propelled modular transporters) heavy transport units and all Operators (except those listed below).

GROUP 2: Assistant Operators

GROUP 3: Air Compressors (one), Water Pumps, regardless of size (one), Water-blasters (one), Welding Machine (one), Mixers (one bag), Conveyor (one), Siphon or Jet (one),



Light Plant (one), Heater (one), Immobile Track Air (one), and Self-Propelled Walk Behind Rollers.

GROUP 4: Fireman on Whirlies and Heavy Equipment Oilers, Truck Cranes, Dredges, Monigans, Large Cranes - (Over 65-ton rated capacity) Concrete Plant Oiler, Blacktop Plant oiler and Creter Crane Oiler (when required), barge tenders, oilers on drill rigs used for caisson or for pile driving.

GROUP 5: Oilers

GROUP 6: Operators on equipment with Booms, including Jibs, 100 ft and over, but less than 150 ft

GROUP 7: Operators on equipment with Booms, including Jibs, 150 ft and over, but less than 200 ft

GROUP 8: Operators on equipment with Boomns, including Jibs, 200 ft and over; Tower Cranes, and Whirley Cranes

GROUP 9: Certified crane Operators, Below 17.5 Tons, when requested by the Contractor or required by the Owner

GROUP 10: Celiified crane Operators 17.5 Tons and above, when requested by the Contractor or required by the Owner

GROUP 11: Master Mechanic

GROUP 12: Licensed Boat Pilot

ENGI0841-004 04/01/2019

CLAY, CRAWFORD, EDWARDS, EFFINGHAM, JASPER, LAWRENCE, RICHLAND, WABASH, and WAYNE COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment		
GROUP 1.....	\$ 41.65	22.00
GROUP 2.....	\$ 26.55	22.00

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Power Cranes, Draglines, Derricks, Shovels, Gradalls, Mechanics, Tractor Highlift, Tournadozer, Concrete Mixers with Skip, Tournamixer, Two-Drum Machine, One-Drum Hoist with Tower or Boom, Cableways, Tower Machines, Motor Patrol, Boom Tractor, Boom or Winch Truck, Winch or Hydraulic Boom Truck, Truck Crane, Tournapull, Tractor Operating Scoops, Bulldozer, Push Tractor, Asphalt Planer, Finishing Machine on Asphalt, Large Rollers on

Earth, Rollers on Asphalt Mix, Ross Carrier or Similar Machine, Gravel Processing Machine, Asphalt Plant Engineer, Paver Operator, Farm Tractor with Half Yard Bucket and/or Backhoe Attachments, Dredge Engineer, or Dredge Operator, Central Mix Plant Engineer, CMI or Similar Type Machine, Truck or Skid Mounted Concrete Pump, Tower Crane, Engine or Rock Crusher Plant, Concrete Plant Engineer, Ditching Machine with Dual Attachment, Tractor Mounted Loaders, Cherry Picker, Hydro Crane, Standard or Dinkey Locomotives, Scoopmobiles, Euclid Loader, Soil Cement Machine, Back Filler, Elevating Machine, Power Blade, Drilling Machines Including Well Testing, Caissons, Shaft or Any Similar Type Drilling Machines, Motor Driven Paint Machine, Pipe Cleaning Machine, Pipe Wrapping Machine, Pipe Bending Machine, Apsco Paver, Boring Machine, (Equipment Greased), Barber- Greene Loaders, Formless Paver, (Well Point System), Concrete Spreader, Hydra Ax, Span Saw and Similar types, Marine Scoops, Brush Mulcher, Brush Burner, Mesh Placer, Tree Mover, Helicopter Crew (3), Piledriver - Skid or Crawler, Stump Remover, Root Rake, Tug Boat Operator, Refrigerating Machine, Freezing Operator, Chair Cart-Self Propelled, Hydra Seeder, Straw Blower, Power Sub Grader, Bull Float, Finishing Machine, Self-Propelled Pavement Breaker (Backhoe Attached), Lull (or Similar Type Machine), Two Air Compressors, Compressors Hooked in Manifold, Overhead Crane, Chip Spreader, Mud Cat, Sull-Air Fork Lifts (Except When Used For Landscaping Work), Soil Stabilizer (Seaman Tiller, Bo Mag, Rago Gator and Similar Types or Equipment), Tube Float, Spray Machine, Curing Machine, Concrete or Asphalt Milling Machine, Snooper Truck Operator.

GROUP 2: Concrete Mixers Without Skips, Rock Crusher, Ditching Machine Under 6', Curbing Machine, one Drum Machines without Tower or Boom, Air Tugger, Self-Propelled Concrete Saw, Machine- Mounted Post Hole Digger, Two to Four Generators, Water Pumps, or Welding Machines, within 400 ft, Air Compressor 600 cu. ft. and Under, Rollers on Aggregate and Seal Coat Surfaces, Fork Lifts (When Used For Landscaping Work, Concrete and Blacktop Curb Machine, Farm Tractor with less than Half Yard Bucket, One Water Pump, Oilers, Air Valves or Steam Valves, One Welding Machine, Truck Jack, Mud Jack, Gunnite Machine, House Elevators when used for Hoisting Material, Engine Tenders, Wagon Drill, Flex Plane, Conveyor, Siphons and Pulsometer, Switchman, Fireman on Paint Pots, Fireman on Asphalt Plants, Distributor Operators on Trucks, Tampers, Self- Propelled Power Broom, Striping Machine (Motor Driven), Form Tamper, Bulk Cement Plant Equipment Greaser, Deck Hands, Truck Crane Oiler_Driver, Cement Blimps, Form Grader, Temporary Heat, Throttle Valve, Farm Tractor, Super Sucker (and Similar Type of Equipment).

IRON0022-009 06/01/2021

CLAY, CRAWFORD, EFFINGHAM COUNTY (Remainder), JASPER, LAWRENCE,
and RICHLAND COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.99	24.30

IRON0046-007 08/01/2021

EFFINGHAM (Excluding Dexter & East thereof) AND FAYETTE (Avenue
& North thereof) COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 34.92	29.63

IRON0103-005 08/01/2021

CLAY (Louisville & South thereof), EDWARDS, FRANKLIN (Northeast
corner), GALLATIN, HAMILTON, JEFFERSON (East of Mt. Vernon),
LAWRENCE (Southern Half including Lawrenceville), MARION
(Southeast), RICHLAND (Southern Half), SALINE (Northeastern
1/3), WABASH, WAYNE, and WHITE COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 30.00	25.29

IRON0392-002 08/01/2021

FAYETTE (Southern Half below Brownstown), JACKSON (Remainder),
JEFFERSON (Mount Vernon & area West thereof), MARION, PERRY,
and RANDOLPH COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 36.50	29.38

IRON0782-005 08/01/2021

ALEXANDER, FRANKLIN, GALLATIN, HARDIN, JACKSON (Except Ava and
Elkville TWPS), JOHNSON, MASSAC, PERRY, POPE, PULASKI, SALINE
(Except vicinity of El Dorado and area Northeast thereof),
UNION, and WILLIAMSON COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.29	27.02

LABO0459-002 08/01/2017

RANDOLPH COUNTY

Rates	Fringes
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Group 1.....	\$ 28.63	24.61
Group 2.....	\$ 29.13	24.61
Group 3.....	\$ 30.13	24.61

LABORER CLASSIFICATIONS:

GROUP 1 - General Laborer

GROUP 2 - Asbestos Abatement Worker and Hazardous Waste Worker; Lead Base Paint Worker

GROUP 3 - Dynamite Man

LABO0773-002 04/01/2021

ALEXANDER, FRANKLIN, GALLATIN, HARDIN, JACKSON, JOHNSON, MASSAC, PERRY, POPE, PULASKI, SALINE, UNION, AND WILLIAMSON COUNTIES

	Rates	Fringes
LABORER.....	\$ 28.50	26.22

LABO1197-001 04/01/2021

CLAY, CRAWFORD, EDWARDS, EFFINGHAM, FAYETTE, HAMILTON, JASPER, JEFFERSON, LAWRENCE, MARION, RICHLAND, WABASH, WAYNE, AND WHITE COUNTIES

	Rates	Fringes
LABORER.....	\$ 28.50	26.22

* PAIN0032-006 09/01/2021

ALEXANDER, FRANKLIN, GALLATIN, HARDIN, JACKSON, JOHNSON, PERRY, POPE, PULASKI, RANDOLPH, SALINE, UNION, and WILLIAMSON COUNTIES

	Rates	Fringes
PAINTER		
Bridges, Dams.....	\$ 35.51	18.78
Journeyman.....	\$ 33.21	18.78

Epoxy or Toxic-Lead-Based Paint Work-\$1.00 Premium

PAIN0058-006 05/01/2017

FAYETTE COUNTY

	Rates	Fringes
PAINTER (Bridge).....	\$ 32.45	17.12

Epoxy or Toxic-Lead-Based Paint Work-\$1.00 Premium

* PAIN0124-002 09/01/2021

CLAY, HAMILTON, JEFFERSON, MARION, and WAYNE COUNTIES

	Rates	Fringes
PAINTER		
Journeyman.....	\$ 26.50	19.01
Taping (All Kinds).....	\$ 27.30	19.01

Epoxy or Toxic-Lead-Based Paint Work-\$1.00 Premium

Journeyman work on Bridges, Grain Elevators, Water, Radio &
Television Towers, Stacks, Waste Water Plants, and Water
Treatment Plants - \$3.10 Premium

PAIN0156-008 04/01/2020

EDWARDS, WABASH, AND WHITE COUNTIES

	Rates	Fringes
PAINTER		
Brush & Roller of Mastics, Creosote, Kwinch Koate, and Coal Tar Epoxy.....	\$ 28.60	17.63+A
Brush, Roller and Paperhanger.....	\$ 27.60	17.63+A
Drywall Finishers and Plasterers.....	\$ 27.85	17.63+A
Spray of Mastics, Creosotes, Kwinch Koate, and Coal Tar Epoxy.....	\$ 29.60	17.63+A
Spray, Sandblast, Power Tools, Waterblast, and Steam Cleaning.....	\$ 28.60	17.63+A

FOOTNOTE A:

All Structures over 40? \$0.75/ hour above base wage

All Structures over 75? \$1.50 hour above base wage

All Structures over 100? \$2.50/ hour above base wage

PAIN0500-004 06/01/2020

MASSAC COUNTY

	Rates	Fringes
PAINTER		
Bridges & Dams - Blast & Spray.....	\$ 28.75	15.10
Bridges & Dams - Brush & Roll.....	\$ 27.75	15.10
Industrial - Blast & Spray..	\$ 24.00	15.10



Industrial - Brush & Roll...\$ 23.00 15.10

Spray, Sandblasting and water blast units with 3500 PSI receive a \$.50 per hour premium.

All work forty feet and above receive a \$1.00 per hour premium.

PAIN1705-003 05/01/2017

CRAWFORD, EFFINGHAM, JASPER, LAWRENCE, and RICHLAND COUNTIES

	Rates	Fringes
PAINTER		
Blasting, Spraying & Pressure Washing.....	\$ 28.30	20.07
Brush & Roller and Wall Covering Drywall Preparing..	\$ 27.30	20.07

Epoxy or Toxic-Lead-Based Paint Work-\$1.00 Premium

Brush & Roller work over 30' above ground or floor level - \$0.80 Premium

Brush & Roller work over 100' above ground or floor level - \$1.80 Premium

Blasting, Spraying & Pressure work over 30' above ground level - \$2.30 Premium

Blasting, Spraying & Pressure work over 100' above ground level - \$3.30 Premium

PLAS0143-010 04/01/2017

ALEXANDER, FRANKLIN, GALLATIN, HARDIN, JACKSON, JOHNSON, MASSAC, PERRY, POPE, PULASKI, RANDOLPH, SALINE, UNION, AND WILLIAMSON COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 29.11	16.09

PLAS0143-011 04/01/2016

CLAY, CRAWFORD, EDWARDS, EFFINGHAM, FAYETTE, HAMILTON, JASPER, JEFFERSON, LAWRENCE, MARION, RICHLAND, WABASH, WAYNE, and WHITE Counties

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 29.22	16.31

TEAM0026-006 05/01/2020

EFFINGHAM and JASPER COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 38.93	20.39
Group 2.....	\$ 39.50	20.39
Group 3.....	\$ 39.77	20.39
Group 4.....	\$ 40.14	20.39
Group 5.....	\$ 41.21	20.39

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

TEAM0050-004 05/01/2020

CLAY, FAYETTE, JEFFERSON, MARION, RANDOLPH, and WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 39.04	20.63
Group 2.....	\$ 39.60	20.63
Group 3.....	\$ 39.91	20.63
Group 4.....	\$ 40.25	20.63
Group 5.....	\$ 41.33	20.63

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up

trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vector Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

TEAM0135-009 05/01/2020

CRAWFORD, EDWARDS, LAWRENCE, RICHLAND, and WABASH COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 34.30	12.72+a
Group 2.....	\$ 34.70	12.72+a
Group 3.....	\$ 34.80	12.72+a
Group 4.....	\$ 35.15	12.72+a
Group 5.....	\$ 35.90	12.72+a

FOOTNOTE: A. \$37.60 per day

CLASSIFICATIONS:

Group 1 - Drivers on 2 axle truckshauling less than 9 ton; Air compressor and welding machines and brooms, including those pulled by separate units; Truck Driver Helpers; Warehouse employees; Mechanic helpers; Greasers and tiremen; fork lifts up to 6,000 pounds capacity

Group 2 - 2 or 3 axle trucks hauling more than 9 ton but hauling less than 16 ton; A-frame winch trucks; Hydrolift trucks; Vector trucks or similar equipment when used for transportation purposes; Fork lifts over 6,000 pound capacity; Winch trucks; 4 axle combination units; In the event the Employer desires to use ticket writers that classification shall come under Group II

Group 3 - 2, 3, or 4 axle trucks hauling 16 ton or more; Drivers on water pulls; Articulated Dump Trucks; Mechanics and working forepersons; 5 axle or more combination units



Group 4 - Low Boy; Oil Distributors

Group 5 - Drivers who require special protective clothing while employed on hazardous waste work.

TEAM0347-001 05/01/2019

GALLATIN COUNTY

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 36.45	21.35
Group 2.....	\$ 37.00	21.35
Group 3.....	\$ 37.27	21.35
Group 4.....	\$ 37.63	21.35
Group 5.....	\$ 38.65	21.35

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide

employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year.

Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and

the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.)

and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

CERTIFICATION OF BIDDER REGARDING EQUAL EMPLOYMENT OPPORTUNITY

INSTRUCTIONS

This certification is required pursuant to Executive Order 11246 (30 F.R. 12319-25). The implementing rules and regulations provide that any bidder or prospective contractor, or any of their proposed subcontractors, shall state as an initial part of the bid or negotiations of the contract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and, if so, whether it has filed all compliance reports due under applicable instructions.

Where the certification indicates that the bidder has not filed a compliance report due under applicable instructions, such bidder shall be required to submit a compliance report within seven (7) days after bid opening. No contract shall be awarded unless such report is submitted.

CERTIFICATION BY BIDDER

NAME AND ADDRESS OF BIDDER (Include ZIP Code)

-
1. Bidder has participated in a previous contract or subcontract subject to the Equal Opportunity Clause.
☐ Yes ☐ No
-
2. Compliance reports were required to be filed in connection with such contract or subcontract.
☐ Yes ☐ No
-
3. Bidder has filed all compliance reports due under applicable instructions.
☐ Yes ☐ No ☐ None Required
-
4. Have you ever been or are you being considered for sanction due to violation of Executive Order 11246, as amended?
☐ Yes ☐ No
-

NAME AND TITLE OF SIGNER (Please type)

SIGNATURE

DATE

Replaces Form HUD-1238.CD-1, which is obsolete.

HUD-950.1(11-78)

**CERTIFICATION OF BIDDER REGARDING SECTION 3
AND SEGREGATED FACILITIES**

Name of Prime Contractor

Project Name and Number

The undersigned hereby certifies that

- a. Section 3 provisions are included in the Contract
- b. A written Section 3 plan was prepared and submitted as part of the bid proceedings.
- c. No segregated facilities will be maintained, as required by Title IV of the Civil Rights Act of 1964.

Name and Title of Signer (Print or Type)

Signature

Date

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

**CERTIFICATION BY PROPOSED SUBCONTRACTOR REGARDING
EQUAL EMPLOYMENT OPPORTUNITY**

NAME OF PRIME CONTRACTOR

PROJECT NUMBER

INSTRUCTIONS

This certification is required pursuant to Executive Order 11246 (30 F.R. 12319-25). The implementing rules and regulations provide that any bidder or prospective contractor, or any of their proposed subcontractors, shall state as an initial part of the bid or negotiations of the contract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and, if so, whether it has filed all compliance reports due under applicable instructions.

Where the certification indicates that the subcontractor has not filed a compliance report due under applicable instructions, such subcontractor shall be required to submit a compliance report before the owner approves the subcontract or permits work to begin under the subcontract.

SUBCONTRACTOR'S CERTIFICATION

NAME AND ADDRESS OF SUBCONTRACTOR (Include ZIP Code)

-
1. Bidder has participated in a previous contract or subcontract subject to the Equal Opportunity Clause.
☐ Yes ☐ No
-
2. Compliance reports were required to be filed in connection with such contract or subcontract.
☐ Yes ☐ No
-
3. Bidder has filed all compliance reports due under applicable instructions, including SF-100.
☐ Yes ☐ No
-
4. Have you ever been or are you being considered for sanction due to violation of Executive Order 11246, as amended?
☐ Yes ☐ No

NAME AND TITLE OF SIGNER (Please type)

SIGNATURE

DATE

**CERTIFICATION OF PROPOSED SUBCONTRACTOR REGARDING
SECTION 3 AND SEGREGATED FACILITIES**

Name of Subcontractor

Project Name and Number

The undersigned hereby certifies that

- a. Section 3 provisions are included in the Contract
- b. A written Section 3 plan was prepared and submitted as part of the bid proceedings
(if bid equals or exceeds \$100,000).
- c. No segregated facilities will be maintained as required by Title VI of the Civil Rights Act of 1964.

Name and Title of Signer (Print or Type)

Signature

Date



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

**CONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

TO (Appropriate Recipient): c/o	Date Project Number (if any) Project Name
--	---

1.	The undersigned, having executed a contract with _____ for the construction of the above-identified project, acknowledges that:	
	a. The Labor Standards provisions are included in the aforesaid contract;	
	b. Correction of any infractions of the aforesaid conditions, including infractions by any of his subcontractors and any lower tier subcontractors, is his responsibility;	

2.	He certifies that:	
	a. Neither he nor any firm, partnership or association in which he has substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29 CFR, Part 5) or pursuant to Section 3(a) of the Davis-Bacon Act, as amended (40 U.S.C. 276a-2[a]).	
	b. No part of the aforementioned contract has been or will be subcontracted to any subcontractor if such subcontractor or any firm, corporation, partnership or association in which such subcontractor has a substantial interest is designated as an ineligible contractor pursuant to any of the aforementioned regulatory or statutory provisions.	

3.	He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his subcontractors and any lower tier subcontractors, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wage Requirements executed by the subcontractors.	
----	---	--

4.	He certifies that:	
	a. The legal name and the business address of the undersigned are:	
	b. The undersigned is:	
	☐ A SINGLE PROPRIETORSHIP ☐ A CORPORATION ORGANIZED IN THE STATE OF _____	
	☐ A PARTNERSHIP ☐ OTHER ORGANIZATION	
	c. The name, title and address of the owner, partners or officers of the undersigned are:	
	NAME TITLE ADDRESS	

HUD-1421(6-75)

- d. The names and addresses of all other persons, both natural and corporate, having a substantial interest in the undersigned, and the nature of the interest are (if none, so state):

NAME	ADDRESS	NATURE OF INTEREST

- e. The names, addresses and trade classifications of all other building construction contractors in which the undersigned has a substantial interest are (if none, so state):

NAME	ADDRESS	TRADE CLASSIFICATION

(Contractor)

Date _____ By _____

WARNING

U.S. Criminal Code, Section 1010, Title 18, U.S.C. provides in part: "Whoever. . . makes, passes, utters or publishes any statement, knowing the same to be false . . . shall be fined not more than \$5,000 or imprisoned not more than two years, or both."

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

**SUBCONTRACTOR'S CERTIFICATION
CONCERNING LABOR STANDARDS & PREVAILING WAGE REQUIREMENTS**

TO (APPROPRIATE RECIPIENT) _____ DATE _____

C/O _____ PROJECT NUMBER (IF ANY) _____

_____ PROJECT NAME _____

1. The undersigned, having executed a contract with _____
(CONTRACTOR or SUBCONTRACTOR)

_____ for _____
(NATURE OF WORK)

in the amount of \$ _____ in the construction of the above-identified project, certifies that:

- a. The Labor Standards Provisions of The Contract For Construction are included in the aforesaid contract.
- b. Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the regulations of the Secretary of Labor, Part 5 (29 CFR, Part 5), or pursuant to Section 3(a) of the Davis-Bacon Act, as amended (40 U.S.C. 276a-2(a)).
- c. No part of the aforementioned contract has been or will be subcontracted to any subcontractor if such subcontractor or any firm, corporation, partnership or association in which such subcontractor has a substantial interest is designated as an ineligible contractor pursuant to the aforesaid regulatory or statutory provisions.

2. He agrees to obtain and forward to the contractor, for transmittal to the recipient, within ten days after the execution of any Lower tier subcontract, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wage Requirements, executed by the Lower tier subcontractor, in duplicate.

The workmen will report for duty on or about _____ (Date)

3. He certifies that:

a. The Legal name and the business address of the undersigned are:

b. The undersigned is:

- ☐ A SINGLE PROPRIETORSHIP ☐ A CORPORATION ORGANIZED IN THE STATE OF _____
- ☐ A PARTNERSHIP ☐ OTHER ORGANIZATION (DESCRIBED): _____

c. THE NAME, TITLE AND ADDRESS OF THE OWNER, PARTNERS OR OFFICERS OF THE UNDERSIGNED ARE:

NAME	TITLE	ADDRESS

- d. The names and addresses of all other persons, both natural and corporate, having a substantial interest in the undersigned, and the nature of the interest are (If none, so state):

NAME	ADDRESS	NATURE OF INTEREST

- e. The names, addresses and trade classifications of all other building construction contractors in which the undersigned has a substantial interest are (If none, so state):

NAME	ADDRESS	TRADE CLASSIFICATION

Subcontractor: _____

By: _____ Date: _____
(Signature)

WARNING

U.S. CRIMINAL CODE, SECTION 1010, TITLE 18, U.S.C., PROVIDES IN PART: "WHOEVER, . . . MAKES, PASSES, UTTERS OR PUBLISHES ANY STATEMENT, KNOWING THE SAME TO BE FALSE. . . SHALL BE FINED NOT MORE THAN \$5,000 OR IMPRISONED NOT MORE THAN TWO YEARS, OR BOTH."

Section 3 Plan Format

(Name of Contractor) agrees to implement the following specific affirmative action steps directed at increasing the utilization of lower-income residents and businesses located within the (Village/City or County) of _____.

- a. To ascertain from the locality's CDBG program official the exact boundaries of the Section 3 covered project area and where advantageous, seek the assistance of local officials in preparing and implementing the affirmative action plan.
- b. To attempt to recruit from within the city the necessary number of lower income residents through: Local advertising media, signs placed at the proposed site for the project, and community organizations and public or private institutions operating within or serving the project area such as Service Employment and Redevelopment (SER), Opportunities Industrialization Center (OIC), Urban League, Concentrated Employment Program, Hometown Plan, or U.S. Employment Service.
- c. To maintain a list of all lower income area residents who have applied either on their own or on referral from any source, and to employ such persons, if otherwise eligible and if a vacancy exists.
- *d. To insert this Section 3 plan in all bid documents, and to require all bidders on subcontracts to submit a Section 3 affirmative action plan including utilization goals and the specific steps planned to accomplish these goals.
- e. To formally contact unions, subcontractors and trade associations to secure their cooperation for this program.
- f. To insure that all appropriate project area business concerns are notified of pending subcontractual opportunities.
- g. To maintain records, including copies of correspondence, memoranda, etc., which document that all of the above affirmative action steps have been taken.
- h. To appoint or recruit an executive official of the company or agency as Equal Opportunity Officer to coordinate the implementation of this Section 3 plan.
- i. To list on Table A, information related to subcontracts.

*Loans, grants, contracts and subsidies for less than \$100,000 will be exempt.

Section 3 Plan *(cont'd)*

- j. To list on Table B, all projected workforce needs for all phases of this project by occupation, trade, skill level and number of positions.

As officers and representatives of _____
(Name of Contractor)

We the undersigned have read and fully agree to this Affirmative Action Plan, and become a party to the full implementation of this program.

Signature

Title

Date

Signature

Title

Date

PROPOSED SUBCONTRACTS BREAKDOWN - TABLE A

FOR THE PERIOD COVERING _____, _____ through _____, _____
(Duration of the CDBG-Assisted Project)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5
TYPE OF CONTRACT (BUSINESS OR PROFESSION)	TOTAL NUMBER OF CONTRACTS	TOTAL APPROXIMATE DOLLAR AMOUNT	ESTIMATED NO. OF CONTRACTS TO PROJECT AREA BUSINESS	ESTIMATED DOLLAR AMOUNT TO PROJECT AREA BUSINESSES

*The Project Area is coextensive with the City/Village/County of _____'s boundaries.

Company

Project Name

Project Number

EEO Officer (Signature)

Date

ESTIMATED PROJECT WORKFORCE BREAKDOWN - TABLE B

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5
JOB CATEGORY	TOTAL EST. POSITIONS	NO. POSITIONS BY PERMANENT EMPLOYEES	NO. POSITIONS NOT CURRENTLY OCCUPIED	NO. POSITIONS TO BE FILLED WITH L.I.P.A.R. *
OFFICERS/SUPERVISORS				
PROFESSIONALS				
TECHNICIANS				
HOUSING SALES/RENTAL/ MANAGEMENT				
OFFICE CLERICAL				
SERVICE WORKERS				
OTHERS				
TRADE:				
JOURNEYMAN				
HELPERS				
APPRENTICES				
MAXIMUM NO. TRAINEES				
OTHERS				
TRADE:				
JOURNEYMAN				
HELPERS				
APPRENTICES				
MAXIMUM NO. TRAINEES				
OTHERS				
TRADE:				
JOURNEYMAN				
HELPERS				
APPRENTICES				
MAXIMUM NO. TRAINEES				
OTHERS				
TOTALS:				

*Lower Income Project Area residents.

Individuals residing within the City of _____ whose family income does not exceed 80% of the median income in the SMSA.

COMPANY

NONCOLLUSION AFFIDAVIT OF PRIME BIDDER

State of _____)

County of _____) ss.

_____, being first duly sworn, deposes and says that:

1. He is _____ of _____, the Bidder that has submitted the attached Bid;
2. He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;
3. Such Bid is genuine and is not a collusive or sham Bid;
4. Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the *(Local Public Agency)* or any person interested in the proposed Contract; and
5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed)

(Name & Title)

Subscribed and sworn to before me

this ____ day of _____, _____

(Notary Public)

My commission expires _____.

CERTIFICATE OF OWNER'S ATTORNEY

I, the undersigned, _____, the duly authorized and acting legal representative of _____ do hereby certify as follows:

I have examined the attached Contract(s) and Performance and Payment Bond(s) and the manner of execution thereof, and I am of the opinion that each of the aforesaid agreements are adequate and have been duly executed by the proper parties thereto acting through their duly authorized representatives; that said representatives have full power and authority to execute said agreements on behalf of the respective parties named thereon; and that the foregoing agreements constitute valid and legally binding obligations upon the parties executing the same in accordance with terms, conditions, and provisions thereof.

Date: _____

City of Carbondale Bid Opening

Bid No. 22-11

Illinois Avenue Streetscape Improvements – Phase 3

Tuesday, November 23, 2021 at 10:00 a.m.

City Hall Finance Library, 200 South Illinois Avenue

Name

Organization

Phone

Email

City-Finance-Purchasing

Name

Organization

Phone

Email

City of Carbondale
Contractor's Project Bid Information
Diversity, Equity & Inclusion Coordinator Report

FY2023 North McRoy Drive
CIP: ST2201

Bid Advertised: Saturday – May 27, 2023 via newspaper

Pre-Bid: Thursday – June 15, 2023 @ 10am

City Budgeted Amount: \$940,000.00

Bid Open: Thursday – June 29, 2023 @ 10am

DBE &/or Workforce Goal: 25%

Contractor/Vendor	Bid Amount	Under or Over Budget	Meets DBE Participation /Workforce Utilization Goal	Minority %	Workforce	Notes
Samron	\$954,454.00	\$ 14,454.00 over budget	Yes	28%	1 Operator, 3 Masons & 3 Laborers	- Contractor will not subcontract this bid - No DBE usage proposed - Projection for Workforce to have 2 minority crew members on staff in a projected number of 7 project employees
E. T. Simmonds	\$980,571.30	\$ 40,571.30 over budget	Yes	28%	2 Operators, 2 Masons & 3 Laborers	- Proposal to utilize a DBE construction company, Pinoy Construction, with compensation of less than 1% of contract bid - Projection for Workforce to have 2 minority crew members on staff in a projected number of 7 project employees

**GOOD FAITH EFFORTS: at the City of Carbondale's discretion are efforts which demonstrate that the bidder has exhausted all reasonable means to comply with any affirmative action, hiring or contractual goal(s) pursuant to the DBE goal or another requirement of this article.* (Retrieved from The City of Carbondale Policy for Disadvantaged Business Enterprise and/or Workforce Participation Goals in Contracts)*

City of
CARBONDALE
Illinois



FY23 Street Cut Repairs Program

Bid No. 23-04

Date of Opening: June 9, 2022

				E.T. Simonds Construction Co. PO Box 2107 Carbondale, IL 62902		Samron Midwest Contracting, Inc. 1510 N 7th Street Murphysboro, IL 62966		R.B. Bush Constructing LLC 936 E. Pleasant Hill Road Carbondale, IL 62902			
BID BOND AMOUNT \$ or %				Yes		Yes		Yes			
ACCEPTABLE				Yes		Yes		No			
ITEM	BRIEF DESCRIPTION	QUANTITY	UNIT	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	PAVEMENT PATCHING (10 SQ YDS & UNDER)	100	SQ YD	\$294.31	\$29,431.00	\$195.00	\$19,500.00	\$250.00	\$25,000.00		
2	PAVEMENT PATCHING (OVER 10 SQ YDS)	800	SQ YD	\$192.14	\$153,712.00	\$120.00	\$96,000.00	\$96.04	\$76,832.00		
3	PAVEMENT PATCHING (5 HOUR) (10 SQ YDS & UNDER)	50	SQ YD	\$312.51	\$15,625.50	\$205.00	\$10,250.00	\$199.46	\$9,973.00		
4	PAVEMENT PATCHING (5 HOUR) (OVER 10 SQ YDS)	400	SQ YD	\$198.63	\$79,452.00	\$131.00	\$52,400.00	\$108.00	\$43,200.00		
5	DRIVEWAY/SIDEWALK PATCHING 6"	150	SQ YD	\$162.65	\$24,397.50	\$126.00	\$18,900.00	\$96.00	\$14,400.00		
6	SIDEWALK PATCHING 4"	100	SQ YD	\$122.98	\$12,298.00	\$114.00	\$11,400.00	\$70.00	\$7,000.00		
7	DETECTABLE WARNINGS	60	SQ FT	\$38.50	\$2,310.00	\$35.00	\$2,100.00	\$25.00	\$1,500.00		
8	WORK ZONE TRAFFIC CONTROL AND PROTECTION	50	EACH	\$378.84	\$18,942.00	\$304.00	\$15,200.00	\$350.00	\$17,500.00		
9	LAWN SEEDING	200	SQ YD	\$12.64	\$2,528.00	\$16.00	\$3,200.00	\$10.00	\$2,000.00		
TOTAL BID for FY2023					\$338,696.00		\$228,950.00		\$197,405.00		

Note:

This is a bid tab for proposals received June 9, 2022. Proposals will be reviewed by City Staff for acceptability.

Council approval is required for this contract.

The next City Council Meeting will be held at 7:00 p.m. on Tuesday, June 28, 2022



December 15, 2021

E.T. Simonds Construction Co.
PO Box 2107
Carbondale, IL 62902

Regarding: Notice of Award
Illinois Avenue Streetscape Improvements – Phase 3

I am pleased to inform you that on December 14, 2021, the Carbondale City Council accepted the proposal submitted by you for the above referenced work in the amount of \$1,245,046.53 per your bid on November 23, 2021.

Two copies of the Contract and Contract Bond are required so that each party has an original. The Contract document *and approval [by City] section of the Contract Bond* will be dated when the City's portion is executed. The City's Contract Bond document is the one that should be used by your surety company (signed, sealed, and dated). You are required by the Instructions to Bidders to execute the enclosed two (2) copies of the Agreement and furnish the required Contract Bond and Certificate of Insurance within fifteen (15) calendar days from the date of this Notice of Award. A fully executed copy will be returned to you along with a Notice to Proceed.

If you fail to execute said Agreement and to furnish the required Bond and Certificate of Insurance within fifteen (15) days from the date of this Notice, said City will be entitled to consider all your rights arising out of the City's acceptance of your Proposal as abandoned and as a forfeiture of your Bid Bond. The City will be entitled to such other rights as may be granted by law.

Dated this 15th day of December, 2021.

CITY OF CARBONDALE, ILLINOIS

Christi Green
Purchasing/Risk Management Specialist
Phone (618) 457-3231
Fax (618) 549-8067
cgreen@explorecarbndale.com

Copy:
Contract Book
Purchasing Bid File 22-11

CITY OF CARBONDALE, ILLINOIS
Illinois Avenue Streetscape Improvements - Phase 3
CONTRACT

THIS AGREEMENT, made and concluded this _____ day of _____ 20____, between the CITY OF CARBONDALE, ILLINOIS, acting by and through the Carbondale City Council, known as the Party of the First Part, and E.T. Simonds Construction Co., PO Box 2107, Carbondale, IL 62902, his/their executors, administrators, successors, or assigns, known as the Party of the Second Part.

WITNESSETH; That for and in consideration of the payments and agreements mentioned in the Proposal hereto attached to be made and performed by the Party of the First Part, and according to the terms expressed in the bond referring to these presents the Party of the Second Part agrees with said Party of the First Part at his/their own proper cost and expense do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans of this Agreement and the requirements of the Engineer under it.

AND IT IS UNDERSTOOD that The Contract and the Contract Documents listed herein and incorporated into this Agreement constitute the entire Agreement between the parties hereto and shall be binding and obligatory upon the heirs, executors, administrators, successors, assigners, and trustees in bankruptcy of the respective parties hereto.

- A. Agreement (this instrument)
- B. Addenda to Contract Document No. 1 (11/08/21); No. 2 (11/10/2021)
- C. Proposal
- D. Instructions to Bidders
- E. Invitation for Bids
- F. Proposal Guaranty (Bid Bond)
- G. General Conditions
- H. Special Provisions
- I. Exhibits "A" and "B"
- J. Contract Bond

IN WITNESS WHEREOF, the said parties have executed these presents on the date above mentioned.

"CITY"
THE CITY OF CARBONDALE, ILLINOIS

BY: _____

ATTEST: _____
City Clerk

"CONTRACTOR"

BY: _____

CITY OF CARBONDALE, ILLINOIS

Illinois Avenue Streetscape Improvements – Phase 3
CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS, that we _____,
a corporation organized under the laws of the State of _____,
and licensed to do business in the State of Illinois, as Principal, and _____,
a corporation organized and existing under the laws of the State of _____, with
authority to do business in the State of Illinois, as Surety, are held and firmly bound unto the
CITY OF CARBONDALE, State of Illinois, in the penal sum of **One Million Two Hundred
Forty Five Thousand Forty Six And 53/100 Dollars (\$1,245,046.53)**, lawful money of the
United States, well and truly to be paid unto said CITY OF CARBONDALE, ILLINOIS, for the
payment of which we bind ourselves, our successors and assigns, jointly, severally, and firmly by
these presents.

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that whereas, the said
Principal has entered into a written Contract with the CITY OF CARBONDALE, ILLINOIS,
acting through the City Council of said City for the **Illinois Avenue Streetscape Improvements
– Phase 3**, which contract is hereby referred to and made a part hereof, as if written herein at
length, and whereby the said Principal has promised and agreed to perform said work in
accordance with the terms of said Contract, and has promised to pay all sums of money due for
any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose
of performing such work and has further agreed to pay all direct and indirect damages to any
person, firm, company or corporation suffered or sustained on account of the performance of
such work during the time thereof and until such work is completed and accepted; and has
further agreed that this Bond shall inure to the benefit of any person, firm, company or
corporation to whom money may be due from the Principal, subcontractor or otherwise, for any
such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be
maintained on such Bond by any such person, firm, company or corporation for the recovery of
any such money.

NOW THEREFORE, if said Principal shall well and truly perform said work in accordance with
the terms of said Contract, and shall pay all sums of money due or to become due for any labor,
materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such
work, and shall commence and complete the work within the time prescribed in said Contract
and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on
account of such work during the time of the performance thereof and until the said work shall
have been accepted, and shall hold the CITY OF CARBONDALE, ILLINOIS and the Council
harmless on account of any damages, and shall in all respects fully and faithfully comply with all
the provisions, conditions, and requirements of said Contract, then this obligation to be void;
otherwise to remain in full force and effect.

IN WITNESS WHEREOF, we have duly executed the foregoing Obligation this _____ day of _____, 20_____.

PRINCIPAL

By _____(SEAL)
President

Attest _____
Secretary

SURETY

_____(SEAL)

By _____
Attorney-in-Fact

State of _____)
) SS
County of _____)

I, _____, a Notary Public in and for said county, in the State aforesaid, do hereby certify that _____ and _____ to me personally known to be president and secretary, respectively, of _____,

a corporation and also known to me to be the persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that as such president and secretary respectively, they signed, sealed and delivered the said instrument as the free and voluntary act of said corporation, for the uses and purposes therein set forth, and that they were duly authorized to execute the same by the board of directors of said corporation.

Given under my hand and Notarial seal this _____ day of _____, 20____.

Notary Public

My commission expires: _____

State of _____)
) SS
County of _____)

I, _____, a Notary Public in and for said county, in the State
aforesaid, do hereby certify that _____, who is personally
known to me to be the same person who signed the above and foregoing instrument as the
Attorney-in-Fact for _____, appeared before me

(Surety Company)

this day in person and acknowledged that he executed the foregoing instrument under authority
given him as the free and voluntary act of said surety, for the uses and purposes therein set forth.

Given under my hand and Notarial seal this _____ day of _____, 20_____

Notary Public

My commission expires: _____

Approved this _____ day of _____, 20_____.

CITY OF CARBONDALE, ILLINOIS

ATTEST: _____
City Clerk

City Manager

(Municipal Seal)



January 27, 2022

E. T. Simonds Construction Co.
PO Box 2107
Carbondale, IL 62902

Regarding: Notice to Proceed
Illinois Avenue Streetscape Improvements – Phase 3

Enclosed is a copy of the fully executed contract for your records. You are hereby notified to commence work in accordance with the Agreement dated January 27, 2022, not later than ten (10) calendar days after the date of receipt of this Notice to Proceed unless otherwise provided, and you are to complete the work within 60 working days as defined in the contract documents.

Dated this 27th day of January, 2022

CITY OF CARBONDALE, ILLINOIS

Christi Green
Purchasing/Risk Management Specialist
Phone (618) 457-3231
Fax (618) 549-8067
cgreen@explorecarbondale.com

Copy:
Contract Book
Purchasing Bid File 22-11

CITY OF CARBONDALE POLICY FOR DISADVANTAGED BUSINESS ENTERPRISE (DBE) AND/OR WORKFORCE PARTICIPATION GOALS IN CONTRACTS

I. POLICY

- A. It is the policy of the CITY OF CARBONDALE to provide contracting and subcontracting opportunities to Disadvantaged Business Enterprises (**DBE**) and /or Workforce. In complying with these policies, Bidders must take affirmative steps to assure that disadvantaged businesses and workforce are used to supply labor, equipment, products, and construction-related services. Please note: the CITY OF CARBONDALE references **49 Code of Federal Regulations Part 26 and 30 ILCS 575/4** to evaluate compliance with the provisions of this policy for DBE and/or Workforce participation.
- B. It is the policy of the CITY OF CARBONDALE that all public works contracts falling within the scope of Carbondale Revised Code 1-6-13 be awarded to businesses that utilize minorities, women, and persons with disabilities as employees. Such workforce should perform no less than 25% of the total dollar amount of the awarded contract or 25% of the labor force combined.
- C. It is the policy of the CITY OF CARBONDALE that if the Bidder is unable to achieve the required DBE and/or Workforce participation, the Bidder must seek a waiver request. (See Section V)
- D. It is the policy of the CITY OF CARBONDALE that all documents requested in the City's policy must be submitted on the date and time designated.
- E. It is the policy of the CITY OF CARBONDALE that all public works contracts will only be offered/awarded if the Bidder has been determined to make good faith efforts to meet the goals of the City's DBE and/or Workforce participation policy.
- F. It is the policy of the CITY OF CARBONDALE that the contractor, sub-recipient, or subcontractor shall not discriminate on the basis of race, color, national origin or sex in the performance of the contract.

II. DEFINITIONS

For the purposes of this policy, the following definitions will apply:

- A. **DISADVANTAGED BUSINESS ENTERPRISES:** a government recognized disadvantaged business with at least 51 percent owned and controlled by a minority, woman, and/or a person with a disability.
- B. **GOOD FAITH EFFORTS:** at the City of Carbondale's discretion are efforts which demonstrate that the bidder has exhausted all reasonable means to comply with any affirmative action, hiring or contractual goal(s) pursuant to the DBE goal or another requirement of this article.
- C. **LOCAL RESIDENT:** Any person whose domicile is within the official residency

boundary of the City of Carbondale....

- D. LOCAL RESIDENT DATABASE: A list containing the names of qualified residents who have expressed interest in employment on city projects.
- E. MINORITY: Please refer to Carbondale Revised Code 7-6-2 for definitions questions.
- F. PUBLIC WORKS CONTRACTS: Any “contract” as defined in this section for the construction, rehabilitation, alteration, conversion, extension, landscaping, repair or other improvements of buildings, highways, or other real property.
- G. WORKFORCE: Employed disadvantaged minorities, women, and /or disabled residents in all skilled crafts either as apprentices, journeymen, or trainees, from the appropriate trade union.

III. DBE PARTICIPATION

- A. A list of DBE firms is available from the City of Carbondale’s Diversity & Compliance Officer. The City of Carbondale, however, makes no representation as to such firms’ capabilities. (See <https://webapps.dot.illinois.gov/UCP/ExternalSearch>)
- B. Bidders may also consult the directories and lists of certified Minority and/or Women-owned firms distributed by the following agencies: the Egyptian Building and Construction Trades Council, the Illinois Department of Transportation, the Women’s Business Development Center, the Illinois Business Enterprise Program, Black Contractors United, Federation of Women Contractors, or the Hispanic American Construction Industry Association.
- C. All DBE businesses should submit certification verifying legitimate ownership. (See <https://www.transportation.gov/partners/small-business/dbe-program>)

IV. WORKFORCE PARTICIPATION

- A. Bidders may consult with trade-union representatives in order to employ qualified individuals, as well as, be in compliance with any project labor agreements.
- B. A list of workforce participants is available from the City of Carbondale’s Diversity & Compliance Officer. The City of Carbondale, however, makes no representation as to such individuals’ capabilities.

V. PRE-BID AWARD OBLIGATIONS, EXPECTATIONS, & REQUIREMENTS

- A. To demonstrate compliance with the City of Carbondale's DBE and/or workforce utilization policy, bidders must provide the following items with their bid. Alternatively, bidders may submit a waiver request, if compliance is not applicable.
 - 1. Bidder must submit a completed, signed, and notarized affidavit entitled "***Affidavit of DBE Goal Implementation Plan***" This form indicates the Bidder's intention to utilize DBEs. (*See Form 1*)
 - 2. A completed and signed "***Subcontractor Utilization Statement***." The plan includes a estimation, description, percentage, and the dollar value of the work to be performed by the DBE firms proposed for utilization on the project. Note: this Schedule should demonstrate the aspirational goal of 25% DBE participation. (*See Form 2*)
 - 3. A completed and signed, "***Letter of Intent from DBE to Perform as a Subcontractor or Supplier***." This document must describe the work to be performed with the corresponding subcontract dollar amount and total workforce to be utilized. (*See Form 3*)
 - 4. A completed and signed "***Workforce Utilization Plan***." The plan shows the utilization of employees being used, as well as, the job categories in which each individual will be working in the project. (*See Form 4*)
 - 5. Copies of DBE Certifications and/or Affidavit of confirmation should be attached to the "Subcontractor Utilization Statement." DBE status will be verified by the City of Carbondale Human Resources office.
 - 6. To be considered for City contracts, all required documentation must be submitted on the designated date and time of bid submittal for each project. The documents will be reviewed for compliance by the Diversity & Compliance Officer.

VI. WAIVER REQUIREMENTS

- A. Bidder shall provide a, "***Certificate of Compliance***", and any misleading information may disqualify the bid. (*See Form 5*)
- B. If the bidder has acted per the policy outlined herein but is unable to achieve the required DBE and/or Workforce participation, the Bidder must seek a waiver or modification of the utilization percentage by submitting an "***DBE and/or Workforce Participation Waiver Request***." (*See Form 6*) The City of Carbondale's Diversity & Compliance Officer will determine if the request shall be granted.
- C. The Bidder's failure to provide sufficient documentation to support the waiver or modification request will cause the bid/proposal to be found non-responsive by the City, and the bid will be rejected. The documentation used in consideration of the waiver request must include but not be limited to a summary

of the contact made, copies of correspondence, phone logs, and certified mail receipts, etc.

- D. For the DBE and/or Workforce waiver or modification request to receive consideration, the following information must be submitted.
 - 1. Provide a narrative describing the Bidder's efforts to secure qualified DBEs and/or Workforce before bid opening.
 - 2. In instances where the Bidder has not received inquiries or proposals from qualified DBEs and/or Workforce before bid opening, the Bidder must provide a notarized affidavit or document attesting to this circumstance.
 - 3. Documentation demonstrating that the Bidder utilized the local resident database for workforce requirements; or Names (of owners), addresses, telephone numbers, date, and time of contact of qualified DBEs. The direct solicitation to businesses must include specific project information and the type of work sought.
- E. To determine whether the Bidder should be granted a waiver request, the City may, in addition to the information provided in Section VI. (C) of the waiver requirements, also request verification that consideration was given to the following areas while the Bidder attempted to achieve DBE and/or workforce participation.
 - 1. That the work slated for DBE and/or workforce participation is real in scope and was selected to increase the likelihood of achieving the stated utilization percentage;
 - 2. That potential DBEs and/or workforce were solicited in good faith.
 - 3. That conditions were imposed on DBEs and/or Workforce that were also imposed on all other subcontractors or individuals.
 - 4. That benefits ordinarily conferred on subcontractors and employees for the type of work were not denied to the DBEs and/or workforce.

VII. FAILURE TO MEET DBE POLICY REQUIREMENTS PRE-BID

- A. If the City determines that the successful bidder has failed to meet the requirements of the City's DBE and/or Workforce policy, before awarding the contract, the bidder has an opportunity for administrative reconsideration.
- B. As part of this reconsideration, the bidder will have the opportunity to provide written documentation or argument concerning the issue of whether it met the goal or made adequate good faith efforts to do so.
- C. The City's decision on reconsideration must be made by the City Manager, or their designee, who did not take part in the original determination that the bidder failed to meet the goal or make adequate good faith efforts to do so.

- D. The bidder will have the opportunity to meet in person with the City Manager to discuss the issue of whether it met the goal or made adequate good faith efforts.
- E. The bidder will receive a written decision on reconsideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so, before awarding the contract.
- F. The result of the reconsideration process is not administratively appealable.

FAILURE TO SUBMIT DOCUMENTATION OUTLINED IN THROUGHOUT SECTIONS V. to VI. MAY CAUSE THE BID TO BE DETERMINED NON- RESPONSIVE AND REJECTED.

VIII. POST-CONTRACT AWARD COMPLIANCE REQUIREMENTS

- A. The City of Carbondale maintains the right to review the books, records, and files relative to DBE and/or Workforce utilization on this contract, and the Contractor agrees to promptly and fully comply with any such requests.
- B. Within **TEN (10)** calendar days after the Notice to Proceed has been issued to the Bidder, copies of subcontracts between the DBE Business and the Contractor must be submitted to the Diversity & Compliance Officer.
- C. Each contractor must provide an updated ***“Subcontractor Utilization Statement”*** and all other required documents listed in Section V. of this article. All substantial changes must be approved by the City of Carbondale’s Diversity & Compliance Officer.
- D. Any proposed changes to the City ***Subcontractor Utilization Statment and/or Workforce Utilization Plan***, must be promptly reported to the Diversity & Compliance Officer. Appropriate corresponding documentation must clearly explain the reasons for the change of circumstances; an explanation must set forth with particularity the Contractor’s efforts to prevent any project-related delays or problems. The documentation shall also include information on any proposed substitutions and a plan demonstrating how the Contractor intends to meet the City of Carbondale’s DBE and/or Workforce goals.
- E. The documentation will be reviewed for its acceptability, and the City Diversity & Compliance Officer will outline any necessary corrective actions to be taken. If the contractor fails to initiate and complete such steps promptly, appropriate sanctions may be taken. The City of Carbondale’s decision regarding the Contractor’s request for a change, the acceptability of, and corrective action to be taken shall be final.
- F. If the Diversity & Compliance Officer makes a finding that a contractor willfully misrepresented its workforce, they shall provide in writing, corrective action steps to be implemented immediately.
 - 1. If the Contractor is found to be in violation and fails to promptly implement the corrective action steps as provided by the Diversity & Compliance Officer,

the City may levy penalties against the violating party as referenced in Section XI., or may suspend the project until ALL outstanding violations are rectified.

2. The Contractor may appeal the findings of willfull misrepresentation to the City Manager. The City Manager shall make a final decision, in writing, **within 10** business days.

IX. UTILIZATION REPORTING

- A. A monthly ***DBE Participation Summary (See Form 7)*** and certified payroll reports for workforce verification is required for all projects. The summary shall state the report number, the name of the general contractor, the project name, and the total project cost. The report should define prime contractors, their trades, and the dollar amount of each executed contract. Further, DBE subcontractors and/or payroll reports shall be listed in conjunction with their primes/names, the dollar amount awarded for each executed contract, prevailing wages and the DBE percentage. The dollar amount awarded to each classification should be itemized and then aggregated to reflect the total dollar amount and percentage of DBE participation.
- B. All payment requests made to the City of Carbondale must include a cumulative ***DBE Utilization and/or payroll report*** every month that will be forwarded to the Diversity & Compliance Officer. The reports must demonstrate compliance with the commitments or include a formal written explanation as to when and how compliance will be achieved. The City may request additional information that shows compliance, including but not limited to waivers of lien, invoices, and delivery tickets. Failure to submit the requested information will result in the appropriate sanctions listed in Section XI of this article.

X. EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS

- A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, age, disability, marital status, familial status, national origin or ancestry, or any unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
- B. That, if the contractor hires additional employees in order to perform this contract or any portion thereof, the contractor will determine the availability (in accordance with this Chapter) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
- C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, gender identity, age, disability, marital status, familial status, national origin or ancestry, or any unfavorable discharge from military service.

- D. The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- E. The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- F. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations, the City's Affirmative Action Program and this Chapter. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act, Rules or Regulations, or this Chapter, the contractor will promptly so notify the City and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.
- G. That it will submit reports as required by the City, furnish all relevant information as may from time to time be requested by the City or the contracting agency, and in all respects comply with the Illinois Human Rights Act, the Department's Rules and Regulations, the City Affirmative Action Program and this Chapter.
- H. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act, the Department's Rules and Regulations, the Affirmative Action Program, and this Chapter.
- I. That it will include verbatim or by reference the provisions of this clause in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same

manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the City in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

- J. Incorporation by Operation of the Regulations. All contract specifications furnished by any contracting agency to bidders or contractors shall contain the Equal Employment Opportunity Clause set forth in Subparagraph A of this section and such clause shall be included as a material term of any contract.
- K. Subcontractors. Each contractor and subcontractor shall in turn include the Equal Employment Opportunity Clause set forth in Subparagraph A of this section in each of its subcontracts verbatim or by reference so that provisions of paragraphs A through J of said clause will be binding upon subcontractors of every tier; provided, however, that only paragraphs A, E, F, and G need included in every "subcontract" as defined in Section 7-6-2 of this Chapter.

XI. NON-COMPLIANCE PENALTIES

Any bid awardee of a contract falling within the scope of Carbondale Revised Code 1-6-13 found not to be in compliance with the provisions of this Equal Opportunity Clause, the Illinois Human Rights Act, the Rules and Regulations of the Illinois Department of Human Rights, and any certified affirmative policy statement supporting the purpose of the City's DBE and/or Workforce program, shall be subject to penalties in this section unless otherwise provided for the City's DBE and/or Workforce Policy. The duration of time and general responsiveness by a contract awardee when failing to implement the City's recommended corrective action may factor in to the severity of penalty enforced by the City.

- A. Non-Compliance constitutes material breaches of the contract and shall entitle the City of Carbondale to declare a default of the contract, and permit the City to, terminate the contract and exercise those remedies provided for in the contract below. Failure to satisfy the DBE and/or Workforce policy required by the contract or the disqualification of the DBE and/or Workforce when such status was a factor in the contract award and was misrepresented by the bid awardee, shall be grounds for penalties.
- B. Unless otherwise provided by policy, sanctions may include but not limited to the following penalties:
 - 1. A per-day penalty, no less than \$50 dollars and no more than \$250 dollars, may be levied against the awarded contract for everyday necessary corrective actions are not taken up to the amount provided by law.
 - 2. The Contractor and principle member of a company found not in compliance may indefinitely lose all bidding privileges for future contracts or subcontracts with the City of Carbondale.

3. Any Contractor and principle member of a company found to repeatedly not comply with commitments to achieve the City of Carbondale DBE and/or Workforce utilization policy, may have the contracts canceled or voided in whole or in part, and such other sanctions or penalties may be imposed, or remedies invoked as provided by statute or regulation. 30 ILCS 575/4
4. Any matters that appear to be fraudulent will be referred to the Illinois Attorney General or other appropriate state agencies.
5. Forfeiture of the Contractor's performance bond.

End Section 00480 – See the following Pages for Forms 1 thru Form 7

**CITY OF CARBONDALE
AFFIDAVIT OF DBE AND/OR WORKFORCE
GOAL IMPLEMENTATION PLAN**

County of _____

Affidavit of _____
(Name of Bidder)

I hereby certify that it is our intent to use disadvantaged businesses and/or workforce at 25% for the work required on said project:

In making this certification, Bidder states:

- that the bidder will use disadvantaged enterprises or workforce to the greatest extent feasible,
- that the bidder will correct any underutilization or deficiencies in the use of disadvantage enterprises and/or workforce,
- that the bidder lacks any controlling interest in the disadvantaged firm being utilized, and
- the bidder agrees to provide any additional information or documentation requested in support of the above statements.

The undersigned hereby certifies that they have read this certification and is authorized to bind the Bidder to the commitments herein contained.

Date: _____ Name of Bidder: _____

Signature: _____

Title: _____

State of Illinois County of _____. This instrument was acknowledged before me on _____ (date) by _____ (name of person).

Signature of notary public

(Seal)

Subcontractor Utilization Statement

Date:		Project Title:	
Total Contract Value:		Project Number:	

Section I: Prime Contractor Information

Prime

Contractor:

Address:

Phone:

Contact

Person:

Email:

Section II: Selected Subcontractors

Subcontractor Name	DBE or Non-DBE	Amount	% of Total Contract	Scope of Work
Totals				

- If more subcontractors are utilized, please copy this form and attach the additional information.

Section III: DBE subcontractors that submitted bids but were not selected

Subcontractor Name	Scope of Work Bid	Reason for Denial

Section III Continued: DBE subcontractors that submitted bids but were not selected

Subcontractor Name	Scope of Work Bid	Reason for Denial

• If more firms submitted quotes, please copy this form and attach the additional information.

Section IV: DBE subcontractors that were contacted for this project

Subcontractor Name	Method of Contact	Contact Outcome

• If more firms were contacted, please copy this form and attach the additional information.

Section V:

The City of Carbondale is committed to promoting disadvantaged participation in public works construction projects and in accordance with City Code 1-12-3, has established the subcontractor utilization of Disadvantaged Business Enterprises that are to be used in the execution of this project. Prime Contractors have an obligation to make a good faith effort to advance the City's commitment to increase diversity among the firms working on City construction projects.

This form must be completed and submitted with the bid proposal. All subcontractors intended for use on this project shall be listed in the columns above; along with the total amount to be paid to the subcontractors; percentage of total contract; and scope of work. If for whatever reason the Prime Contractor has to utilize a subcontractor not listed above, they must submit a **Notification of Change in Participation** with the necessary support documentation.

The undersigned certifies that the information included herein is true and correct; the subcontractors listed above have agreed to perform the scope of work described. The undersigned further certifies that it has no controlling, dominating, or conflict of interest in any of the listed subcontractors.

 Signature of Prime Contractor

 Date

Return with Bid (one for each DBE Subcontractors or Suppliers)

LETTER OF INTENT

LETTER OF INTENT FROM DBE TO PERFORM AS A SUBCONTRACTOR OR SUPPLIER

Disadvantaged Business Enterprise
(This page shall be submitted for each DBE firm)

DBE Firm: DBE Firm: _____ Address: _____

City: _____ State: _____ Zip: _____

ILDOT Reporting #: _____ Expiration Date of Certification: _____

DBE Contact: Name: _____ Phone: (____) _____

Bidder: Name: _____ Address: _____

City: _____ State: _____ Zip: _____

Contracting Firm: Name: _____
(If different than Bidder)

DBE Subcontractor Classification: ☐ Subcontractor ☐ Manufacturer ☐ Supplier

Work item(s) to be performed by DBE	Description of Work Item	Quantity	Total Dollar Value

The Bidder is committed to utilizing the above-named DBE firm for the work described above. The estimated participation is as follows:

DBE contract amount: \$ _____ Percent of total contract: _____ %

Dollar value of the DBE's subcontract that will be subject to non-DBE contractors: \$ _____

Dollar value of the DBE's subcontract that will be sublet to DBE contractors: \$ _____

*If DBE will not be subcontracting any of the work described above, a zero must be shown in each blank.

CERTIFICATION:

The above-named DBE firm certifies that it will perform that portion of the contract with the Bidder or Contracting Firm (as applicable) for the estimated dollar value as stated herein above.

By:

(Signature)

(Title)

(Date)

CITY OF CARBONDALE CONTRACTOR'S DISADVANTAGE WORKFORCE UTILIZATION PLAN

Part I. Identification

Form 4 - RETURN WITH BID

- The undersigned bidder has analyzed minority, women and disabled population, unemployment rates and availability of workers for the location in which this contract work is to be performed, and for the locations from which the bidder recruits employees, and hereby submits the following workforce projection for minority, women, and disabled employee utilization in all job categories in the workforce to be allocated to this contract:

Categories	Disabled		Black or African American		Asian		American Indian/ Alaskan Native		Hispanic/ Latino		Native Hawaiian/ Pacific Islander		2 or More Races		White		Total Employees	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Supervisors																		
Foremen																		
Carpenter																		
Electrician																		
Glazier																		
Insulator																		
Ironworker																		
Laborer																		
Landscaping																		
Mason																		
Mechanics																		
Operator																		
Painter																		
Pipefitter																		
Plaster																		
Plumber																		
Roofer																		
Sheet Metal																		
Teamster																		
Tiler																		

Part II. Workforce Projection

- The undersigned bidder projects that the number of hires would be recruited from the area in which contract project is located; or from the area in which the bidder's principal office or base of operation is located.
- Above is a projection of numbers of persons to be employed directly by the undersigned bidder, as well as, a projection of the number of persons to be employed by subcontractors.

Part III. Utilization Plan

- The undersigned bidder understands that in the event of the foregoing disadvantaged workforce utilization projection is determined to be underutilized, and the undersigned bidder is awarded this contract, see section XII of the DBE or Workforce Participation in Contracts for the effect of said action.

COMPANY OFFICIAL SIGNATURE &

TITLE: _____

DATE: _____

CERTIFICATE OF COMPLIANCE

The undersigned duly qualified _____, acting on behalf of
Title Person Authorized
_____, certifies that _____ has taken
Legal Name of Applicant Applicant
steps to be in compliance with the City of Carbondale’s Policy for Disadvantaged Business
Enterprise and/or Workforce Participants Goals in Contracts requirements. _____
Applicant
agrees to provide proof to the City of Carbondale upon Demand. _____
Applicant
understands that this document is made a part of the Contract and that any false or misleading
information provided, shall result in the disqualification of _____
Applicant
bid, and may result in the disqualification of future bids.

Signature Authorized Person

Date: _____

State of _____ County of _____. This instrument was acknowledged
before me on _____ (date) by _____ (name of
person).

Signature of notary public

(Seal)

FORM 6
(Return with bid if applying for a waiver of policy goals)

DBE and/or Workforce Participation Waiver Request

Date:		Project Title:	
		Project Number:	

Prime Contractor: _____

Address: _____

Phone: _____

Contact Person: _____

Email: _____

We hereby request that the City waive the Disadvantaged Enterprise and/or Workforce Participation Plan (25%) on the above named project for the following reason(s) and affirm that the stated reasons and documents provided are true and correct and not misleading.

CHECK ALL THAT APPLY. SPECIFIC SUPPORTING DOCUMENTATION MUST BE SUBMITTED AS INDICATED.

☐	An insufficient number of DBEs responded to our invitation to bid. (Attach a list of DBEs contacted for each work item to be subcontracted along with the dollar amount for each item)
☐	No subcontracting opportunities exist. (Attach explanation)
☐	No disadvantaged workforce is available. (Attach letter of proof)
☐	Other – (State reason and attach explanation)

Signature of Prime Contractor

Date

FOR OFFICIAL USE ONLY

☐ APPROVED	☐ DISAPPROVED
--	---

The disadvantaged participation goals are waived on this project for the following reason(s) (see City Code Article 7-6-1):

☐	The project is essential for City operations.
☐	Emergency circumstances require a waiver.
☐	Evidence of a good faith effort by the contractor.
☐	The contractor will self-perform all work and will not subcontract any portion of the project.
☐	The contractor proposes to meet City DBE goal. No Waiver Required

REVIEWED BY:

Diversity & Compliance Officer

Date

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION SUMMARY

Contract Number/Name: _____
_____ DBE Goal _____%

Name of Subcontractor	Name of Contact Person	Scope of work to be performed	Dollar Amount	Percentage of Dollar Amount of Total Bid

Submitted by: _____
Print Name

Company's Name: _____

Telephone Number: _____

Submitted by: _____
Signature

Date: _____

Address: _____

00480-17

Regular City Council Meeting August 8, 2023 (Tuesday, August 8, 2023)

Generated by Jennifer R Sorrell on Wednesday, August 9, 2023

Councilmembers present

Councilmember Clare Killman, Councilmember Adam Loos, Councilmember Nancy Maxwell, Councilmember Ginger Rye Sanders, Councilmember Jeff Doherty, Councilmember LaCaje Hill, and Mayor Carolin Harvey

Meeting called to order at 6:00 PM

1. Preliminaries to the City Council Meeting

Procedural: 1.1 Roll Call

Procedural: 1.2 Citizens' Comments and Questions

Citizens addressing the City Council included Donald Monty, James Cooper, Jr., Erin Ashley, Sandy Litecky, Nick Weshinsky, Doug Sherry, and Elius Reed.

Procedural: 1.3 Council Comments, General Announcements, and Proclamations

Councilmember Rye-Sanders announced Thursday, August 10, Women for Change, pastors, and churches will pray around the schools for nonviolence during the school year.

Councilmember Doherty responded to Mr. Reed's question, asked about and commented on the usage and coordination of users of Jaycee Field at Evergreen Park, and acknowledged the passing of former City employee Cleveland Matthews.

Councilmember Loos acknowledged the passing of Greg Hinde, a founding member of the State Company and concurred with Councilmember Doherty's remarks relating to the use of Jaycee Field.

Councilmember Killman also concurred with Councilmember Doherty's remarks regarding Jaycee Field.

2. Public Hearings and Special Reports

Glenn Poshard presented information about a fundraising campaign for the Varsity Center for the Arts. Mr. Poshard is serving as Chair of the campaign and highlighted the progress and goals of the campaign. Council requested additional details relating to specific line items in the proposed budget and indicated their receptiveness to the request.

3. Consent Agenda of the City Council

Action (Consent): 3.1 **Minutes from the Regular City Council Meeting of July 25, 2023**

Resolution: Approve the minutes from the regular City Council meeting of July 25, 2023

Action (Consent): 3.2 **Approval of Warrant for the Period Ending: 07/21/2023 for the FY 2024 Warrant 1464 in the Total Amount of \$2,190,954.43**

Resolution: Accept the following report of payments made for the period ended: 07/21/2023 totaling \$2,190,954.43 (*Exhibit A-08-08-2023*)

Action (Consent): 3.3 **Acceptance of Approved Meeting Minutes from Boards, Commissions, and Committees** Resolution: Accept the approved meeting minutes from Boards, Commissions, and Committees and place them on file.

Action (Consent): 3.4 **Resolution Dedicating \$386,824 in Motor Fuel Tax (MFT) Funds to Pay for the Partial and Full-Depth Patching on North Washington Street From Oak Street to the Intersection of North Marion Street** Resolution: Approve a Resolution Dedicating \$386,824 in Motor Fuel Tax (MFT) Funds to Pay for the Partial and Full-Depth Patching on North Washington Street From Oak Street to the Intersection of North Marion Street (*Resolution 2023-R-58; Exhibit B-08-08-2023*)

Action, Action (Consent): 3.5 **Resolution Dedicating \$571,183.50 in Motor Fuel Tax (MFT) Funds to Pay for the Resurfacing of Pinewood Drive** Resolution: Approve a Resolution Dedicating \$571,183.50 in Motor Fuel Tax (MFT) Funds to Pay for resurfacing of Pinewood Drive (*Resolution 2023-R-59; Exhibit C-08-08-2023*)

Action (Consent): 3.6 **Accept the Carbondale Public Library's Illinois Public Library Annual Report for 2023** Resolution: Accept and place on file the 2023 Annual Public Library Report for the Carbondale Public Library

Action (Consent): 3.7 **Ordinance Authorizing a Budget Adjustment to Increase the Support Services Division for Costs Related to the 2023 Carbondale Halloween Celebration** Resolution: Approve An Ordinance Authorizing a Budget Adjustment to Increase the Support Services Division for Costs Related to the 2023 Carbondale Halloween Celebration (*Ordinance 2023-29; Exhibit D-08-08-2023*)

Action (Consent): 3.8 **Resolution Authorizing the City Manager to Enter into a Professional Services Agreement with Southern Illinois Historic Preservation of Murphysboro, Illinois to Perform a Survey of Historic and Architecturally Significant Properties within the Northeast Quadrant of Carbondale, Illinois** Resolution: Approve a Resolution Authorizing the City Manager to Enter into a Professional Services Agreement with Southern Illinois Historic Preservation of Murphysboro, Illinois to Perform a Survey of Historic and Architecturally Significant Properties Within the Northeast Quadrant of Carbondale, Illinois (*Resolution 2023-R-60; Exhibit E-08-08-2023*)

Action: 3.9 **Ordinance Authorizing a Budget Adjustment to Increase the TIF District #2 Division for Costs Related to the 2023 Downtown Mural Project** Resolution: Approve An Ordinance Authorizing a Budget Adjustment to Increase the TIF District #2 Division for Costs Related to the 2023 Downtown Mural Project (*Ordinance 2023-30; Exhibit F-08-08-2023*)

Action (Consent): 3.10 **Approval of Consent Agenda Items** Resolution: Approve all Consent Agenda items not pulled for separate consideration

Agenda Item 3.4 – there was a question about whether action could occur without a Resolution.

Agenda Item 3.0 – there was a question about the costs for the mural project and about the Eurma C. Hayes mural in particular.

MOTION: Approve all Consent Agenda items not pulled for separate consideration

Motion by Jeff Doherty, second by Clare Killman.

Final Resolution: Motion Carries

Yea: LaCaje Hill, Clare Killman, Adam Loos, Nancy Maxwell, Ginger Rye Sanders, Jeff Doherty, Carolin Harvey

4. General Business of the City Council

Action: 4.1 **Approve an Intergovernmental Agreement with the Carbondale Park District for a City-wide Parks Master Plan**

This item was pulled from the agenda without discussion.

Discussion: 4.2 **Ordinance Approving a Text Amendment to Title 15 of the Carbondale Revised Code Relative to Murals and the Size, Placement, and Lighting of Signs**

Council comments and questions included: support for the proposed language; question about regulation for flashing signs; inquired about the impetus for allowing/permitting flash signs; additional details about defining "slow" versus "fast" flashing signs; discussion which was had at the Planning meeting; personal preferences for certain types of signs; remarks about the fine line between art versus advertisement;

Donald Monty suggested that the Varsity may be legally nonconforming, expressed concern about total wattage for Varsity signage, gave an example of how the mural language could be circumvented, and expressed additional concerns about the unrestricted height of architectural signs.

Sandy Litecky, as a Planning Commission member, responded to questions regarding concerns about architectural signs as it relates to total square footage.

Connor Sullivan spoke in favor of allowing murals and flashing signs.

MOTION: Approve An Ordinance Approving a Text Amendment to Title 15 of the Carbondale Revised Code Relative to Murals and the Size, Placement, and Lighting of Signs

Motion by Clare Killman, second by Jeff Doherty.

Final Resolution: Motion Carries

Yea: Clare Killman, Adam Loos, Nancy Maxwell, Ginger Rye Sanders, Jeff Doherty, LaCaje Hill, Carolin Harvey (*Ordinance 2023-31; Exhibit G-08-08-2023*)

5. Adjournment of the City Council Meeting

Procedural: 5.1 **Adjourn meeting**

There being no further business to come before the City Council, the meeting was declared adjourned at 7:15 p.m.

Jennifer R. Sorrell, City Clerk

Date

Warrant to the City Treasurer

The undersigned hereby certify that the following bills or invoices represent a true and correct statement of cost of goods and/or services rendered to the City of Carbondale by firms or persons listed an that said firms or persons are entitled to payment for same in the amounts shown.

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund 01 - General										
Account 10511-275 - Inventory Unleaded Gasoline										
934 - HINES OIL COMPANY	185722	6427 Gallons of Unleaded Fuel	Paid by Check # 17388		07/31/2023	08/04/2023	08/04/2023		08/03/2023	20,246.21
Account 10511-275 - Inventory Unleaded Gasoline Totals							Invoice Transactions 1			\$20,246.21
Account 14012-010 - Intrafund F/R Due from Operating										
394 - CITY OF CARBONDALE	7/26/2023	Flex Spend & Dep Care 07/28/2023	Paid by Check # 17352		08/01/2023	08/01/2023	08/01/2023		08/01/2023	3,513.34
Account 14012-010 - Intrafund F/R Due from Operating Totals							Invoice Transactions 1			\$3,513.34
Account 20605-011 - Accrued Payroll Employee Retire W/H- Police										
1747 - POLICE PENSION FUND	07/26/2023	Police Pension Payroll 07/28/2023	Paid by Check # 17360		08/01/2023	08/01/2023	08/01/2023		08/01/2023	14,404.57
Account 20605-011 - Accrued Payroll Employee Retire W/H- Police Totals							Invoice Transactions 1			\$14,404.57
Account 20605-012 - Accrued Payroll Employee Reitre W/H- Fire										
6685 - FIRE PENSION FUND	07/26/2023	Fire Pension Payroll 07/28/2023	Paid by Check # 17356		08/01/2023	08/01/2023	08/01/2023		08/01/2023	7,246.21
Account 20605-012 - Accrued Payroll Employee Reitre W/H- Fire Totals							Invoice Transactions 1			\$7,246.21
Account 20605-021 - Accrued Payroll Participating 125 Plan										
5192 - GLOBE LIFE/LIBERTY NATIONAL	07/24/2023	Life & Cancer Insurance July 2023	Paid by Check # 17338		07/25/2023	07/25/2023	07/25/2023		07/25/2023	2,047.14
Account 20605-021 - Accrued Payroll Participating 125 Plan Totals							Invoice Transactions 1			\$2,047.14
Account 20605-024 - Accrued Payroll Emp Ins W/H Vision Dental Guardi										
6923 - Standard Insurance Company	07/24/2023	Standard Dental/Vision August 2023	Paid by Check # 17342		07/25/2023	07/25/2023	07/25/2023		07/25/2023	18,755.40
6939 - The Standard	07/24/2023	Standard Life Insurance August 2023	Paid by Check # 17343		07/25/2023	07/25/2023	07/25/2023		07/25/2023	1,410.43
Account 20605-024 - Accrued Payroll Emp Ins W/H Vision Dental Guardi Totals							Invoice Transactions 2			\$20,165.83
Account 20605-040 - Accrued Payroll Employee Savings W/H Def Comp										
1658 - NATIONWIDE RETIREMENT SOLUTIONS	2024-00000045	NW 457 STND \$ - Nationwide 457 Stnd	Paid by EFT # 1053		07/26/2023	07/26/2023	07/26/2023		07/28/2023	21,287.87
Account 20605-040 - Accrued Payroll Employee Savings W/H Def Comp Totals							Invoice Transactions 1			\$21,287.87
Account 20605-041 - Accrued Payroll Employee Savings W/H ICMA										
2398 - VANTAGEPOINT TRANSFER AGENTS LLC-457	2024-00000048	ICMA 457 STND \$ - ICMA 457 Standard Amt*	Paid by EFT # 1055		07/26/2023	07/26/2023	07/26/2023		07/28/2023	425.00
Account 20605-041 - Accrued Payroll Employee Savings W/H ICMA Totals							Invoice Transactions 1			\$425.00
Account 20605-050 - Accrued Payroll Employee Union Dues W/H IAFF										
1030 - IAFF LOCAL #1961	07/28/2023	Dues whld from Payroll 07/28/2023	Paid by Check # 17390		07/27/2023	08/04/2023	08/04/2023		08/03/2023	735.00
Account 20605-050 - Accrued Payroll Employee Union Dues W/H IAFF Totals							Invoice Transactions 1			\$735.00
Account 20605-051 - Accrued Payroll Employee Union Dues W/H FOP										
704 - FRATERNAL ORDER POLICE #192	07/28/2023	Dues whld from Payroll 07/28/2023	Paid by Check # 17386		07/27/2023	08/04/2023	08/04/2023		08/03/2023	183.50

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
1071 - ILLINOIS FRATERNAL ORDER POLICE	07/28/2023	Dues For Payroll of 07/28/2023	Paid by Check # 17392		07/27/2023	08/04/2023	08/04/2023		08/03/2023	916.50
Account 20605-051 - Accrued Payroll Employee Union Dues W/H FOP Totals								Invoice Transactions 2		\$1,100.00
Account 20605-052 - Accrued Payroll Employee Union Dues W/H TMSTRS										
2228 - TEAMSTERS LOCAL UNION #50	07/28/2023	Dues whld from Payroll	Paid by Check # 17420		07/27/2023	08/04/2023	08/04/2023		08/03/2023	900.00
Account 20605-052 - Accrued Payroll Employee Union Dues W/H TMSTRS Totals								Invoice Transactions 1		\$900.00
Account 20605-053 - Accrued Payroll Employee Union Dues W/H Plumb										
1748 - PLUMBERS & PIPEFITTERS #160	07/28/2023	Dues whld from Payroll	Paid by Check # 17405		07/27/2023	08/04/2023	08/04/2023		08/03/2023	1,029.52
Account 20605-053 - Accrued Payroll Employee Union Dues W/H Plumb Totals								Invoice Transactions 1		\$1,029.52
Account 20605-054 - Accrued Payroll Employee W/H SIU Credit Union										
2053 - SIU CREDIT UNION	2024-00000046	SIU CU - SIU Credit Union	Paid by Check # 17346		07/26/2023	07/26/2023	07/26/2023		07/26/2023	300.00
Account 20605-054 - Accrued Payroll Employee W/H SIU Credit Union Totals								Invoice Transactions 1		\$300.00
Account 20605-055 - Accrued Payroll Employee Union Dues- Telecommuni										
1071 - ILLINOIS FRATERNAL ORDER POLICE	07/28/23	Dues whld from Payroll	Paid by Check # 17393		07/27/2023	08/04/2023	08/04/2023		08/03/2023	255.00
Account 20605-055 - Accrued Payroll Employee Union Dues- Telecommuni Totals								Invoice Transactions 1		\$255.00
Account 20605-060 - Accrued Payroll Employee W/H-Other Deduction										
2116 - STATE DISBURSEMENT UNIT	2024-00000047	CHILD SUPP 1 - Child Support 1*	Paid by EFT # 1054		07/26/2023	07/26/2023	07/26/2023		07/28/2023	3,775.55
6519 - WORLD FINANCE CORP	07/26/2023	Wage Deduction	Paid by Check # 17365		08/01/2023	08/01/2023	08/01/2023		08/01/2023	92.50
6196 - BLITT AND GAINES PC	07/26/2023	Wage Deduction	Paid by Check # 17349		08/01/2023	08/01/2023	08/01/2023		08/01/2023	89.08
3839 - CARRIE N. STREET	07/26/2023	Wage Deduction	Paid by Check # 17351		08/01/2023	08/01/2023	08/01/2023		08/01/2023	238.38
7346 - RESURGENCE LEGAL GROUP, PC	07/26/2023	Wage Deduction	Paid by Check # 17361		08/01/2023	08/01/2023	08/01/2023		08/01/2023	81.21
Account 20605-060 - Accrued Payroll Employee W/H-Other Deduction Totals								Invoice Transactions 5		\$4,276.72
Account 20605-090 - Accrued Payroll Non-Participating 125 Plan										
336 - COLONIAL LIFE & ACCIDENT	07/24/2023	Accident, Cancer & Life Premiums August 2023	Paid by Check # 17335		07/25/2023	07/25/2023	07/25/2023		07/25/2023	9,078.52
5192 - GLOBE LIFE/LIBERTY NATIONAL	07/24/2023	Life & Cancer Insurance July 2023	Paid by Check # 17338		07/25/2023	07/25/2023	07/25/2023		07/25/2023	657.22
Account 20605-090 - Accrued Payroll Non-Participating 125 Plan Totals								Invoice Transactions 2		\$9,735.74
Department 00 - Undesignated										
Division 00000 - Undesignated										
Account 30103-091 - Intergovernmental Revenues Police Grants										
1993 - STATE OF ILLINOIS	07/26/2023	remittance of Unexpended Grant Funds	Paid by Check # 17363		08/01/2023	08/01/2023	08/01/2023		08/01/2023	2,790.00
Account 30103-091 - Intergovernmental Revenues Police Grants Totals								Invoice Transactions 1		\$2,790.00
Account 30106-530 - Use of Money & Property Private Contribution Park Rental										
JOHN PAYNE	7/20/2023	Refund for Park-Wedding Called Off	Paid by Check # 17344		07/25/2023	07/25/2023	07/25/2023		07/25/2023	70.00
Account 30106-530 - Use of Money & Property Private Contribution Park Rental Totals								Invoice Transactions 1		\$70.00
Division 00000 - Undesignated Totals								Invoice Transactions 2		\$2,860.00
Department 00 - Undesignated Totals								Invoice Transactions 2		\$2,860.00
Department 10 - General Government										
Division 40000 - Mayor and Council										

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Account 24000 - Travel, Conf., Training										
5808 - CAROLIN HARVEY	328	reimbursement for Catering Services Mayoral	Paid by Check # 17334		07/25/2023	07/25/2023	07/25/2023		07/25/2023	200.00
Account 24000 - Travel, Conf., Training Totals								Invoice Transactions 1		\$200.00
Division 40000 - Mayor and Council Totals								Invoice Transactions 1		\$200.00
Division 40003 - City Attorney										
Account 27300 - Operating Supplies & Materials										
6765 - LEXISNEXIS	3094613755	Information Charges- July 2023	Paid by Check # 17400		08/02/2023	08/04/2023	08/04/2023		08/03/2023	535.00
Account 27300 - Operating Supplies & Materials Totals								Invoice Transactions 1		\$535.00
Division 40003 - City Attorney Totals								Invoice Transactions 1		\$535.00
Division 40005 - Human Resources										
Account 24000 - Travel, Conf., Training										
7427 - SHARONDA CAWTHON	810192	Per Diem for Travel	Paid by Check # 17410		08/02/2023	08/04/2023	08/04/2023		08/03/2023	275.00
Account 24000 - Travel, Conf., Training Totals								Invoice Transactions 1		\$275.00
Account 27100 - Other Outside Services										
7362 - EXPRESS SERVICES, INC	29320104	Temp Contract	Paid by Check # 17384		07/31/2023	08/04/2023	08/04/2023		08/03/2023	1,784.64
Account 27100 - Other Outside Services Totals								Invoice Transactions 1		\$1,784.64
Division 40005 - Human Resources Totals								Invoice Transactions 2		\$2,059.64
Division 40010 - Support Services										
Account 20000 - Professional & Consultant Fees										
7210 - ARNDT MUNICIPAL SUPPORT INC	229	ARPA Grant Professional Services 6 of 12	Paid by Check # 17370		08/02/2023	08/04/2023	08/04/2023		08/03/2023	2,083.34
Account 20000 - Professional & Consultant Fees Totals								Invoice Transactions 1		\$2,083.34
Account 23200 - Utilities- Water & Sewer										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23	1511600-002	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	92.68
Account 23200 - Utilities- Water & Sewer Totals								Invoice Transactions 1		\$92.68
Account 25100 - Repairs & Maint- Bldg & Struc										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23	1511600-002	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	453.20
Account 25100 - Repairs & Maint- Bldg & Struc Totals								Invoice Transactions 1		\$453.20
Division 40010 - Support Services Totals								Invoice Transactions 3		\$2,629.22
Division 40015 - City Hall/Civic Center										
Account 25100 - Repairs & Maint- Bldg & Struc										
7011 - 618 Pro	8736	Repairs to AV Room/Cable	Paid by Check # 17366		08/02/2023	08/04/2023	08/04/2023		08/03/2023	285.00
Account 25100 - Repairs & Maint- Bldg & Struc Totals								Invoice Transactions 1		\$285.00
Account 27100 - Other Outside Services										
5342 - SITEX CORPORATION	3072467	Uniform Rental	Paid by Check # 17362		08/01/2023	08/01/2023	08/01/2023		08/01/2023	56.19
5342 - SITEX CORPORATION	3070396	Uniform Rental	Paid by Check # 17413		08/02/2023	08/04/2023	08/04/2023		08/03/2023	63.00
Account 27100 - Other Outside Services Totals								Invoice Transactions 2		\$119.19
Account 27300 - Operating Supplies & Materials										
7011 - 618 Pro	8736	Repairs to AV Room/Cable	Paid by Check # 17366		08/02/2023	08/04/2023	08/04/2023		08/03/2023	32.00
Account 27300 - Operating Supplies & Materials Totals								Invoice Transactions 1		\$32.00

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Division 40015 - City Hall/Civic Center Totals								Invoice Transactions 4		\$436.19
Department 10 - General Government Totals								Invoice Transactions 11		\$5,860.05
Department 15 - Financial Management										
Division 40030 - Financial Management										
Account 21000 - Publishing & Filing Fees										
1989 - SOUTHERN ILLINOISAN	07/30/2023	Newspaper Ads	Paid by Check # 17415		07/31/2023	08/04/2023	08/04/2023		08/03/2023	74.57
Account 21000 - Publishing & Filing Fees Totals								Invoice Transactions 1		\$74.57
Account 28000 - Subscriptions & Memberships										
7041 - C/O Lee Newspapers Southern Illinoisan	07/18/23	Annual Subscription-Finance	Paid by Check # 17416		07/31/2023	08/04/2023	08/04/2023		08/03/2023	464.99
Account 28000 - Subscriptions & Memberships Totals								Invoice Transactions 1		\$464.99
Division 40030 - Financial Management Totals								Invoice Transactions 2		\$539.56
Division 40033 - Information Services										
Account 25000 - Repairs & Maintenance- Equip										
1797 - PROFESSIONAL COMMUNICATIONS SYSTEMS	12806	Labor - City HALL and Police Dept	Paid by Check # 17406		07/27/2023	08/04/2023	08/04/2023		08/03/2023	180.00
Account 25000 - Repairs & Maintenance- Equip Totals								Invoice Transactions 1		\$180.00
Division 40033 - Information Services Totals								Invoice Transactions 1		\$180.00
Department 15 - Financial Management Totals								Invoice Transactions 3		\$719.56
Department 20 - Public Safety										
Division 40101 - Police Protection										
Account 13100 - Employee Retirement Benefits										
3068 - UNITED STATES TREASURY	07/31/23	Form 941, 2nd Q 2023, 37-6001081	Paid by Check # 17348		07/27/2023	07/27/2023	07/27/2023		07/27/2023	150.02
Account 13100 - Employee Retirement Benefits Totals								Invoice Transactions 1		\$150.02
Account 15000 - Special Contractual Benefits										
636 - ENTENMANN-ROVIN COMPANY	0174597-IN	Badges/Hat Badges-LT, SGT, Patrol, Retired	Paid by Check # 17381		07/27/2023	08/04/2023	08/04/2023		08/03/2023	2,742.50
Account 15000 - Special Contractual Benefits Totals								Invoice Transactions 1		\$2,742.50
Account 20000 - Professional & Consultant Fees										
6886 - CAMPION, BARROW & ASSOCIATES. INC	035077	Pre-Employment Exams-(Penrod, and Santos)	Paid by Check # 17374		07/25/2023	08/04/2023	08/04/2023		08/03/2023	910.00
6930 - Klein, Thorpe and Jenkins, Ltd.	234861/234937	Professional Consulting Fees-FOIA	Paid by Check # 17397		07/31/2023	08/04/2023	08/04/2023		08/03/2023	732.51
7214 - LAW OFFICES OF MILLER, HALL & TRIGGS	18	Legal Fees	Paid by Check # 17398		07/25/2023	08/04/2023	08/04/2023		08/03/2023	550.00
4039 - SIH WORKCARE/SIIMG	80488	Pre-Employment Exams-(Penrod, and Santos)	Paid by Check # 17411		07/25/2023	08/04/2023	08/04/2023		08/03/2023	1,335.00
2069 - STRIEGEL ANIMAL HOSPITAL LLC	122488	Rabies Quarantine for K9	Paid by Check # 17419		07/27/2023	08/04/2023	08/04/2023		08/03/2023	946.33
Account 20000 - Professional & Consultant Fees Totals								Invoice Transactions 5		\$4,473.84
Account 24000 - Travel, Conf., Training										
1902 - STAN RENO	810165	Per Diem for Travel	Paid by Check # 17418		07/25/2023	08/04/2023	08/04/2023		08/03/2023	275.00
5128 - TYLER PINGOLT	810193	Per Diem for Travel	Paid by Check # 17437		07/27/2023	08/04/2023	08/04/2023		08/03/2023	175.00
Account 24000 - Travel, Conf., Training Totals								Invoice Transactions 2		\$450.00
Account 25000 - Repairs & Maintenance- Equip										
7288 - REKOR	INV-0003601	Subscription for Licenses (Communication) ORC	Paid by Check # 17407		08/02/2023	08/04/2023	08/04/2023		08/03/2023	26,520.00

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Account 25000 - Repairs & Maintenance- Equip Totals							Invoice Transactions 1		\$26,520.00	
Account 26000 - Rental Charges										
4778 - GREATAMERICA FINANCIAL SERVICES	34430700	Copier Lease Agreement July 2023	Paid by Check # 17339		07/25/2023	07/25/2023	07/25/2023		07/25/2023	571.55
Account 26000 - Rental Charges Totals							Invoice Transactions 1		\$571.55	
Account 27100 - Other Outside Services										
930 - HUMANE SOCIETY OF SOUTHERN ILLINOIS	AUGUST2023	Services for AUGUST 2023	Paid by Check # 17389		07/31/2023	08/04/2023	08/04/2023		08/03/2023	7,500.00
Account 27100 - Other Outside Services Totals							Invoice Transactions 1		\$7,500.00	
Account 27300 - Operating Supplies & Materials										
7412 - EMBLEM ENTERPRISES	892784	SRT Patches	Paid by Check # 17380		07/25/2023	08/04/2023	08/04/2023		08/03/2023	833.43
2014 - SILKWORM INC	INV/270511	Illinois Youth Police Camp Shirts	Paid by Check # 17412		07/31/2023	08/04/2023	08/04/2023		08/03/2023	36.25
2014 - SILKWORM INC	INV/270477	Illinois Youth Police Camp-Hats	Paid by Check # 17412		07/31/2023	08/04/2023	08/04/2023		08/03/2023	195.00
7423 - TOUCH OF NATURE OUTDOOR EDUCATION	TON130	Team IL Youth Police Camp-Project NCP151	Paid by Check # 17434		08/02/2023	08/04/2023	08/04/2023		08/03/2023	10,540.00
2627 - VERIZON WIRELESS	9022329677	Cell Phone Tower Search	Paid by Check # 17440		07/31/2023	08/04/2023	08/04/2023		08/03/2023	50.00
Account 27300 - Operating Supplies & Materials Totals							Invoice Transactions 5		\$11,654.68	
Account 29900 - Operating Equipment										
5511 - CELLEBRITE USA INC	INVUS257082	Training for Cellebrite-ORC Grant	Paid by Check # 17376		08/02/2023	08/04/2023	08/04/2023		08/03/2023	11,360.00
7413 - GRAYSHIFT LLC	INV02960	Electronic Forensic Recovery Device-ORC	Paid by Check # 17387		07/25/2023	08/04/2023	08/04/2023		08/03/2023	11,620.00
5945 - THOMAS SECURITY INDUSTRIES	00001001	Surveillance Pod w/4 Cameras	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	4,157.00
5945 - THOMAS SECURITY INDUSTRIES	00001002	10 Cameras at 3 Giant City Road Locations	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	9,997.00
5945 - THOMAS SECURITY INDUSTRIES	00001003	10 Cameras at 3 Main St. Locations	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	9,997.00
5945 - THOMAS SECURITY INDUSTRIES	00001004	Surveillance Pod w/4 Cameras-Emerald & W..	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	3,499.00
5945 - THOMAS SECURITY INDUSTRIES	00001005	Surveillance Pod w/4 Cameras-Rendleman &	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	2,995.00
5945 - THOMAS SECURITY INDUSTRIES	00001009	Surveillance Pod w/4 Cameras-E. Main	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	3,499.00
5945 - THOMAS SECURITY INDUSTRIES	00001010	Surveillance Pod w/4 Cameras-Walnut &	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	3,499.00
5945 - THOMAS SECURITY INDUSTRIES	00001011	Surveillance Pod w/4 Cameras-S. Hwy 51 &	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	3,499.00
5945 - THOMAS SECURITY INDUSTRIES	00001013	Surveillance Pod w/4 Cameras-E. Frontage Rd	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	3,499.00
5945 - THOMAS SECURITY INDUSTRIES	00001000	Mobile Camera Pod	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	4,995.00
5945 - THOMAS SECURITY INDUSTRIES	00000997	Surveillance Pod w/4 Cameras-Hardware	Paid by Check # 17422		07/25/2023	08/04/2023	08/04/2023		08/03/2023	14,480.00
Account 29900 - Operating Equipment Totals							Invoice Transactions 13		\$87,096.00	
Account 50200 - Office Fixtures & Equipment										
6284 - TYLER TECHNOLOGIES, INC.	130-138488	CAD onsite training and Pre-Installation Meetings	Paid by Check # 17438		07/27/2023	08/04/2023	08/04/2023		08/03/2023	1,311.79
Account 50200 - Office Fixtures & Equipment Totals							Invoice Transactions 1		\$1,311.79	

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Division 40101 - Police Protection Totals							Invoice Transactions 31		\$142,470.38	
Division 40151 - Fire Protection										
Account 25000 - Repairs & Maintenance- Equip										
7421 - LEMON LIME ALTERATIONS	07/23/23	Repairs to Turnout Gear- FF Abbott	Paid by Check # 17399		07/31/2023	08/04/2023	08/04/2023		08/03/2023	20.00
Account 25000 - Repairs & Maintenance- Equip Totals							Invoice Transactions 1		\$20.00	
Account 64000 - Other Debt Principal										
2642 - FIRST SOUTHERN BANK	07/24/2023	Loan #65625 August 2023	Paid by Check # 17336		07/25/2023	07/25/2023	07/25/2023		07/25/2023	8,327.19
Account 64000 - Other Debt Principal Totals							Invoice Transactions 1		\$8,327.19	
Account 64100 - Other Debt Interest										
2642 - FIRST SOUTHERN BANK	07/24/2023	Loan #65625 August 2023	Paid by Check # 17336		07/25/2023	07/25/2023	07/25/2023		07/25/2023	1,153.32
Account 64100 - Other Debt Interest Totals							Invoice Transactions 1		\$1,153.32	
Division 40151 - Fire Protection Totals							Invoice Transactions 3		\$9,500.51	
Department 20 - Public Safety Totals							Invoice Transactions 34		\$151,970.89	
Department 25 - Development Services										
Division 40200 - Development Management										
Account 21000 - Publishing & Filing Fees										
1989 - SOUTHERN ILLINOISAN	07/30/2023	Newspaper Ads	Paid by Check # 17415		07/31/2023	08/04/2023	08/04/2023		08/03/2023	106.57
Account 21000 - Publishing & Filing Fees Totals							Invoice Transactions 1		\$106.57	
Account 27300 - Operating Supplies & Materials										
2014 - SILKWORM INC	INV/272002	City Shirts Order	Paid by Check # 17412		07/25/2023	08/04/2023	08/04/2023		08/03/2023	346.00
Account 27300 - Operating Supplies & Materials Totals							Invoice Transactions 1		\$346.00	
Division 40200 - Development Management Totals							Invoice Transactions 2		\$452.57	
Division 40210 - Building & Neighborhood Services										
Account 15000 - Special Contractual Benefits										
2014 - SILKWORM INC	INV/271102 +5	Building & Neighborhood Services-Uniforms	Paid by Check # 17412		07/25/2023	08/04/2023	08/04/2023		08/03/2023	2,566.11
Account 15000 - Special Contractual Benefits Totals							Invoice Transactions 1		\$2,566.11	
Division 40210 - Building & Neighborhood Services Totals							Invoice Transactions 1		\$2,566.11	
Department 25 - Development Services Totals							Invoice Transactions 3		\$3,018.68	
Department 40 - Public Works										
Division 40330 - Building Maintenance										
Account 23000 - Utilities- Electric										
303 - AMEREN ILLINOIS	07/28/23-1	83620-01513	Paid by Check # 17368		07/31/2023	08/04/2023	08/04/2023		08/03/2023	2,931.49
303 - AMEREN ILLINOIS	07/28/23-2	52220-06116	Paid by Check # 17367		07/31/2023	08/04/2023	08/04/2023		08/03/2023	152.83
303 - AMEREN ILLINOIS	07/28/23-4	39990-28008	Paid by Check # 17367		07/31/2023	08/04/2023	08/04/2023		08/03/2023	133.69
Account 23000 - Utilities- Electric Totals							Invoice Transactions 3		\$3,218.01	
Account 23200 - Utilities- Water & Sewer										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/13/23	503650-011	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	92.68
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/13/23-2	730900-010	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	12.12

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-6	1411110-002	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	218.23
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-7	1423950-010	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	92.68
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-4	1605475-001	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	103.14
Account 23200 - Utilities- Water & Sewer Totals									Invoice Transactions 5	\$518.85
Account 25100 - Repairs & Maint- Bldg & Struc										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/13/23	503650-011	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	48.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/13/23-2	730900-010	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	15.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-6	1411110-002	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	273.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-7	1423950-010	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	48.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-4	1605475-001	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	93.20
Account 25100 - Repairs & Maint- Bldg & Struc Totals									Invoice Transactions 5	\$478.00
Division 40330 - Building Maintenance Totals									Invoice Transactions 13	\$4,214.86
Division 40350 - Street Maintenance										
Account 64000 - Other Debt Principal										
182 - BANTERRA BANK	07/24/2023	Loan #11587407 86631 August 2023	Paid by Check # 17331		07/25/2023	07/25/2023	07/25/2023		07/25/2023	3,735.65
Account 64000 - Other Debt Principal Totals									Invoice Transactions 1	\$3,735.65
Account 64100 - Other Debt Interest										
182 - BANTERRA BANK	07/24/2023	Loan #11587407 86631 August 2023	Paid by Check # 17331		07/25/2023	07/25/2023	07/25/2023		07/25/2023	663.38
Account 64100 - Other Debt Interest Totals									Invoice Transactions 1	\$663.38
Division 40350 - Street Maintenance Totals									Invoice Transactions 2	\$4,399.03
Division 40390 - Forestry Management										
Account 23200 - Utilities- Water & Sewer										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-4	1113600-010	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.95
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-5	1115100-009	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.95
Account 23200 - Utilities- Water & Sewer Totals									Invoice Transactions 2	\$7.90
Account 25100 - Repairs & Maint- Bldg & Struc										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-4	1113600-010	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-5	1115100-009	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.20
Account 25100 - Repairs & Maint- Bldg & Struc Totals									Invoice Transactions 2	\$6.40
Account 25200 - Repairs & Maint- Other Improv										
3297 - J&S SERVICES SCOTT HELLER	7052023-1	Pay Estimate #17-19 Contract Mowing FY23 &	Paid by Check # 17340		07/25/2023	07/25/2023	07/25/2023		07/25/2023	11,010.52
3297 - J&S SERVICES SCOTT HELLER	7202023-1	Pay Estimate #20 Contract Mowing FY23 &	Paid by Check # 17341		07/25/2023	07/25/2023	07/25/2023		07/25/2023	3,719.97
Account 25200 - Repairs & Maint- Other Improv Totals									Invoice Transactions 2	\$14,730.49
Account 27100 - Other Outside Services										
4436 - MIDWEST TREE SERVICE	7885	Take down and removal of dying maple tree	Paid by Check # 17401		07/25/2023	08/04/2023	08/04/2023		08/03/2023	2,500.00

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
4436 - MIDWEST TREE SERVICE	7847	Takedown and Cleanup of 1 large cypress tree	Paid by Check # 17401		07/25/2023	08/04/2023	08/04/2023		08/03/2023	2,850.00
Account 27100 - Other Outside Services Totals								Invoice Transactions 2		\$5,350.00
Division 40390 - Forestry Management Totals								Invoice Transactions 8		\$20,094.79
Department 40 - Public Works Totals								Invoice Transactions 23		\$28,708.68
Department 45 - Parks and Recreation										
Division 40500 - Parks and Recreation										
Account 23000 - Utilities- Electric										
303 - AMEREN ILLINOIS	07/18/23	79420-06420	Paid by Check # 17367		07/25/2023	08/04/2023	08/04/2023		08/03/2023	47.40
303 - AMEREN ILLINOIS	07/04/23	09630-48094	Paid by Check # 17367		07/27/2023	08/04/2023	08/04/2023		08/03/2023	253.14
Account 23000 - Utilities- Electric Totals								Invoice Transactions 2		\$300.54
Account 23200 - Utilities- Water & Sewer										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23	1195590-003	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	134.53
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-1	1195510-002	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.95
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-3	1195570-007	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.95
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-5	1618600-011	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	291.47
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-6	1618650-002	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	8.98
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-7	1513990-012	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	51.83
2068 - SOUTH HIGHWAY WATER DISTRICT	07/18/23-2	010060-00	Paid by Check # 17414		07/25/2023	08/04/2023	08/04/2023		08/03/2023	82.55
Account 23200 - Utilities- Water & Sewer Totals								Invoice Transactions 7		\$577.26
Account 25100 - Repairs & Maint- Bldg & Struc										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23	1195590-003	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-1	1195510-002	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-3	1195570-007	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-5	1618600-011	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	3.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-7	1513990-012	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	3.20
Account 25100 - Repairs & Maint- Bldg & Struc Totals								Invoice Transactions 5		\$16.00
Account 50000 - Land & Improvements										
7424 - LAWRENCE MILLARD	07/20/2023	Purchase property on Sports Blast Rd	Paid by Check # 17358		08/01/2023	08/01/2023	08/01/2023		08/01/2023	4,500.00
Account 50000 - Land & Improvements Totals								Invoice Transactions 1		\$4,500.00
Account 50300 - Machinery & Equipment										
7398 - ANDERSON'S OUTDOOR SPORTS & TURF LLC	5864	Custom Windscreen for Superblock Fields	Paid by Check # 17330		07/25/2023	07/25/2023	07/25/2023		07/25/2023	21,439.00
Account 50300 - Machinery & Equipment Totals								Invoice Transactions 1		\$21,439.00
Division 40500 - Parks and Recreation Totals								Invoice Transactions 16		\$26,832.80
Department 45 - Parks and Recreation Totals								Invoice Transactions 16		\$26,832.80

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
					Fund 01 - General Totals			Invoice Transactions 115		\$327,638.81
Fund 08 - Payroll Claim Fund										
Account 20605-001 - Accrued Payroll Federal Income Tax Withholding										
1093 - INTERNAL REVENUE SERVICE	2024-00000044	FIT - Federal Income Tax*	Paid by EFT # 51180		07/26/2023	07/26/2023	07/26/2023		07/28/2023	54,500.62
Account 20605-001 - Accrued Payroll Federal Income Tax Withholding Totals								Invoice Transactions 1		\$54,500.62
Account 20605-002 - Accrued Payroll Payroll Tax W/H- SIT										
1029 - ILLINOIS DEPARTMENT OF REVENUE	2024-00000043	SIT - State Income Tax*	Paid by EFT # 51179		07/26/2023	07/26/2023	07/26/2023		07/28/2023	26,080.39
Account 20605-002 - Accrued Payroll Payroll Tax W/H- SIT Totals								Invoice Transactions 1		\$26,080.39
Account 20605-003 - Accrued Payroll Payroll Tax W/H- FICA										
1093 - INTERNAL REVENUE SERVICE	2024-00000044	FIT - Federal Income Tax*	Paid by EFT # 51180		07/26/2023	07/26/2023	07/26/2023		07/28/2023	59,781.14
Account 20605-003 - Accrued Payroll Payroll Tax W/H- FICA Totals								Invoice Transactions 1		\$59,781.14
Fund 08 - Payroll Claim Fund Totals								Invoice Transactions 3		\$140,362.15
Fund 11 - Motor Fuel Tax Fund										
Department 40 - Public Works										
Division 41013 - MFT Operating & Maintenance										
Account 25200 - Repairs & Maint- Other Improv										
6165 - MOBOTREX	267196	Traffic Cabinet Part	Paid by Check # 17402		08/02/2023	08/04/2023	08/04/2023		08/03/2023	276.00
2941 - TRAFFIC CONTROL CORPORATION	144644	Traffic Cabinet Battery Backup	Paid by Check # 17436		07/25/2023	08/04/2023	08/04/2023		08/03/2023	8,700.00
Account 25200 - Repairs & Maint- Other Improv Totals								Invoice Transactions 2		\$8,976.00
Division 41013 - MFT Operating & Maintenance Totals								Invoice Transactions 2		\$8,976.00
Department 40 - Public Works Totals								Invoice Transactions 2		\$8,976.00
Department 50 - Community Investment										
Division 41017 - MFT CIP & Replacement										
Account 53100 - CIP Design Eng- Contractual										
4034 - THOUVENOT WADE & MOERCHEN INC	80343	Balance Due This Pay Estimate-ST2201	Paid by Check # 17430		08/02/2023	08/04/2023	08/04/2023		08/03/2023	299.12
4034 - THOUVENOT WADE & MOERCHEN INC	80091	Balance Due This Pay Estimate-ST2105	Paid by Check # 17431		08/02/2023	08/04/2023	08/04/2023		08/03/2023	2,592.00
Account 53100 - CIP Design Eng- Contractual Totals								Invoice Transactions 2		\$2,891.12
Division 41017 - MFT CIP & Replacement Totals								Invoice Transactions 2		\$2,891.12
Department 50 - Community Investment Totals								Invoice Transactions 2		\$2,891.12
Fund 11 - Motor Fuel Tax Fund Totals								Invoice Transactions 4		\$11,867.12
Fund 14 - Special Tax Allocation # 1 Fund										
Department 30 - Community Development										
Division 41401 - TIF District # 1										
Account 27100 - Other Outside Services										
7151 - DAN SRONCE	006	Off the Rails Concert Series	Paid by Check # 17379		08/02/2023	08/04/2023	08/04/2023		08/03/2023	3,500.00
7426 - IVAS DAMBRAUSKAS	07/25/2023	Off the Rails Concert Series	Paid by Check # 17395		08/02/2023	08/04/2023	08/04/2023		08/03/2023	500.00
7425 - JOSLYN & THE SWEET COMPRESSION, LLC	07/25/2023	Off the Rails Concert Series	Paid by Check # 17396		08/02/2023	08/04/2023	08/04/2023		08/03/2023	2,250.00
Account 27100 - Other Outside Services Totals								Invoice Transactions 3		\$6,250.00
Division 41401 - TIF District # 1 Totals								Invoice Transactions 3		\$6,250.00

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Department 30 - Community Development Totals							Invoice Transactions 3		\$6,250.00	
Fund 14 - Special Tax Allocation # 1 Fund Totals							Invoice Transactions 3		\$6,250.00	
Fund 40 - Local Improvement Fund										
Department 50 - Community Investment										
Division 44007 - CIP & Replacement										
Account 53100 - CIP Design Eng- Contractual										
4034 - THOUVENOT WADE & MOERCHEN INC	80330	Balance Due This Pay Estimate-ST2404	Paid by Check # 17427		08/02/2023	08/04/2023	08/04/2023		08/03/2023	6,100.00
4034 - THOUVENOT WADE & MOERCHEN INC	80331	Balance Due This Pay Estimate-ST2402	Paid by Check # 17428		08/02/2023	08/04/2023	08/04/2023		08/03/2023	7,125.00
4034 - THOUVENOT WADE & MOERCHEN INC	80332	Balance Due This Pay Estimate-ST2401	Paid by Check # 17429		08/02/2023	08/04/2023	08/04/2023		08/03/2023	14,038.66
4034 - THOUVENOT WADE & MOERCHEN INC	80066	Balance Due This Pay Estimate-ST2002	Paid by Check # 17432		08/02/2023	08/04/2023	08/04/2023		08/03/2023	3,959.99
4034 - THOUVENOT WADE & MOERCHEN INC	80125	Balance Due This Pay Estimate-ST2405	Paid by Check # 17426		08/02/2023	08/04/2023	08/04/2023		08/03/2023	2,366.01
Account 53100 - CIP Design Eng- Contractual Totals							Invoice Transactions 5		\$33,589.66	
Division 44007 - CIP & Replacement Totals							Invoice Transactions 5		\$33,589.66	
Department 50 - Community Investment Totals							Invoice Transactions 5		\$33,589.66	
Fund 40 - Local Improvement Fund Totals							Invoice Transactions 5		\$33,589.66	
Fund 70 - Water & Sewer Fund										
Account 10501-252 - Inventory Water Dist Supplies										
1020 - IMCO UTILITY SUPPLY	4060768-00+6	Water Inventory Parts	Paid by Check # 17394		07/27/2023	08/04/2023	08/04/2023		08/03/2023	9,333.88
Account 10501-252 - Inventory Water Dist Supplies Totals							Invoice Transactions 1		\$9,333.88	
Account 10511-252 - Inventory Sewer Dist Supplies										
434 - CONNOR COMPANY MARION	S010496702.001	Water Inventory Parts	Paid by Check # 17378		07/31/2023	08/04/2023	08/04/2023		08/03/2023	424.42
Account 10511-252 - Inventory Sewer Dist Supplies Totals							Invoice Transactions 1		\$424.42	
Department 40 - Public Works										
Division 47000 - Support Services										
Account 22000 - Communications- Telephone										
4574 - FRONTIER	07/10/2023	529-1731	Paid by Check # 17337		07/25/2023	07/25/2023	07/25/2023		07/25/2023	243.39
Account 22000 - Communications- Telephone Totals							Invoice Transactions 1		\$243.39	
Division 47000 - Support Services Totals							Invoice Transactions 1		\$243.39	
Division 47002 - Lake Management										
Account 23200 - Utilities- Water & Sewer										
2068 - SOUTH HIGHWAY WATER DISTRICT	07/18/23	04051000	Paid by Check # 17414		07/25/2023	08/04/2023	08/04/2023		08/03/2023	54.74
2068 - SOUTH HIGHWAY WATER DISTRICT	07/18/23-1	04067500 - Cedar Lake	Paid by Check # 17414		07/25/2023	08/04/2023	08/04/2023		08/03/2023	78.05
Account 23200 - Utilities- Water & Sewer Totals							Invoice Transactions 2		\$132.79	
Account 25100 - Repairs & Maint- Bldg & Struc										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-3	1513984-001	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	90.00
Account 25100 - Repairs & Maint- Bldg & Struc Totals							Invoice Transactions 1		\$90.00	
Account 27100 - Other Outside Services										
7021 - SCOTT FOSTER	21145	Poplar Camp Beach Sign	Paid by Check # 17409		07/25/2023	08/04/2023	08/04/2023		08/03/2023	50.00

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Account 27100 - Other Outside Services Totals							Invoice Transactions 1		\$50.00	
Division 47002 - Lake Management Totals							Invoice Transactions 4		\$272.79	
Division 47011 - Water Treatment Plant										
Account 25100 - Repairs & Maint- Bldg & Struc										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-1	1513982-001	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	90.00
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/27/23-2	1513983-001	Paid by Check # 17375		07/31/2023	08/04/2023	08/04/2023		08/03/2023	45.00
Account 25100 - Repairs & Maint- Bldg & Struc Totals							Invoice Transactions 2		\$135.00	
Account 25200 - Repairs & Maint- Other Improv										
3297 - J&S SERVICES SCOTT HELLER	7052023	Pay Estimate #17-19	Paid by Check # 17340		07/25/2023	07/25/2023	07/25/2023		07/25/2023	825.39
3297 - J&S SERVICES SCOTT HELLER	7202023	Contract Mowing FY23 & Pay Estimate #20	Paid by Check # 17341		07/25/2023	07/25/2023	07/25/2023		07/25/2023	275.13
Account 25200 - Repairs & Maint- Other Improv Totals							Invoice Transactions 2		\$1,100.52	
Account 26000 - Rental Charges										
5781 - C & C PUMPS & SUPPLY SERVICE	REN02850	Diesel Pump Rental	Paid by Check # 17373		08/02/2023	08/04/2023	08/04/2023		08/03/2023	1,808.33
Account 26000 - Rental Charges Totals							Invoice Transactions 1		\$1,808.33	
Account 27100 - Other Outside Services										
7416 - EQUIPMENT PRO INCORPORATED	65706	Motor bearing replacement	Paid by Check # 17382		07/25/2023	08/04/2023	08/04/2023		08/03/2023	869.20
7223 - PACE ANALYTICAL SERVICES, LLC	I9560892	Drinking Water Testing	Paid by Check # 17404		07/25/2023	08/04/2023	08/04/2023		08/03/2023	911.80
3950 - SPRINGFIELD ELECTRIC SUPPLY COMPANY INC	S010382081.001	Drives Premium Support	Paid by Check # 17417		08/02/2023	08/04/2023	08/04/2023		08/03/2023	799.75
Account 27100 - Other Outside Services Totals							Invoice Transactions 3		\$2,580.75	
Account 27300 - Operating Supplies & Materials										
7395 - CHEMSTREAM INC.	84371	Chemical Bid 23-22-Liquid Alum	Paid by Check # 17377		07/31/2023	08/04/2023	08/04/2023		08/03/2023	5,611.50
7400 - TR International Trading Company	INV21763	Chemical Bid 23-22-Caustic Soda	Paid by Check # 17435		07/31/2023	08/04/2023	08/04/2023		08/03/2023	12,016.10
Account 27300 - Operating Supplies & Materials Totals							Invoice Transactions 2		\$17,627.60	
Division 47011 - Water Treatment Plant Totals							Invoice Transactions 10		\$23,252.20	
Division 47022 - SE Wastewater Treatment Plant										
Account 23000 - Utilities- Electric										
303 - AMEREN ILLINOIS	07/28/23-5	82220-06319	Paid by Check # 17369		07/31/2023	08/04/2023	08/04/2023		08/03/2023	5,360.83
Account 23000 - Utilities- Electric Totals							Invoice Transactions 1		\$5,360.83	
Account 25000 - Repairs & Maintenance- Equip										
5781 - C & C PUMPS & SUPPLY SERVICE	INV29948	Flood Pump Service Call	Paid by Check # 17373		07/27/2023	08/04/2023	08/04/2023		08/03/2023	172.50
Account 25000 - Repairs & Maintenance- Equip Totals							Invoice Transactions 1		\$172.50	
Division 47022 - SE Wastewater Treatment Plant Totals							Invoice Transactions 2		\$5,533.33	
Division 47023 - NW Wastewater Treatment Plant										
Account 25000 - Repairs & Maintenance- Equip										
1434 - MUNICIPAL EQUIPMENT CO INC	INV0025072	Check Valve Rebuild	Paid by Check # 17403		08/02/2023	08/04/2023	08/04/2023		08/03/2023	3,081.51
2386 - VANDEVANTER ENGINEERING INC	5563343	Scada and Plant Controls Work	Paid by Check # 17439		07/31/2023	08/04/2023	08/04/2023		08/03/2023	6,396.31
Account 25000 - Repairs & Maintenance- Equip Totals							Invoice Transactions 2		\$9,477.82	

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Account 25100 - Repairs & Maint- Bldg & Struc										
5553 - EVOQUA WATER TECHNOLOGIES LLC	905845980	Clarifier Parts	Paid by Check # 17383		08/02/2023	08/04/2023	08/04/2023		08/03/2023	2,044.26
Account 25100 - Repairs & Maint- Bldg & Struc Totals									Invoice Transactions 1	\$2,044.26
Account 27100 - Other Outside Services										
6313 - BC CONTRACTING	916	EQ MOWING	Paid by Check # 17371		07/31/2023	08/04/2023	08/04/2023		08/03/2023	499.00
1131 - ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	07/28/2023	Permit	Paid by Check # 17391		08/02/2023	08/04/2023	08/04/2023		08/03/2023	17,500.00
4179 - TEKLAB INC	292131	NWWWTP Oil and Grease - June 2023	Paid by Check # 17421		07/25/2023	08/04/2023	08/04/2023		08/03/2023	176.80
Account 27100 - Other Outside Services Totals									Invoice Transactions 3	\$18,175.80
Account 27300 - Operating Supplies & Materials										
7402 - BLUE CARDINAL CHEMICAL	8941	Paper Towel Dispenser	Paid by Check # 17372		07/27/2023	08/04/2023	08/04/2023		08/03/2023	498.06
7402 - BLUE CARDINAL CHEMICAL	9114	Paper Towels	Paid by Check # 17372		07/27/2023	08/04/2023	08/04/2023		08/03/2023	226.82
5781 - C & C PUMPS & SUPPLY SERVICE	INV29687	Freight	Paid by Check # 17373		07/27/2023	08/04/2023	08/04/2023		08/03/2023	177.73
1434 - MUNICIPAL EQUIPMENT CO INC	INV002510	Transducer	Paid by Check # 17403		07/31/2023	08/04/2023	08/04/2023		08/03/2023	138.53
1434 - MUNICIPAL EQUIPMENT CO INC	INV0025126	1 1/2" Firehose	Paid by Check # 17403		07/31/2023	08/04/2023	08/04/2023		08/03/2023	417.00
2386 - VANDEVANTER ENGINEERING INC	5567630	Mini Cas	Paid by Check # 17439		08/02/2023	08/04/2023	08/04/2023		08/03/2023	892.97
Account 27300 - Operating Supplies & Materials Totals									Invoice Transactions 6	\$2,351.11
Account 29900 - Operating Equipment										
1882 - RESSLER & ASSOCIATES INC	9318-IL	Flow Meter	Paid by Check # 17408		08/02/2023	08/04/2023	08/04/2023		08/03/2023	3,529.00
Account 29900 - Operating Equipment Totals									Invoice Transactions 1	\$3,529.00
Division 47023 - NW Wastewater Treatment Plant Totals									Invoice Transactions 13	\$35,577.99
Division 47025 - Sewage Lift Stations										
Account 23000 - Utilities- Electric										
303 - AMEREN ILLINOIS	07/25/23	20620-00124	Paid by Check # 17367		07/31/2023	08/04/2023	08/04/2023		08/03/2023	53.92
303 - AMEREN ILLINOIS	07/28/23-3	68220-04418	Paid by Check # 17367		07/31/2023	08/04/2023	08/04/2023		08/03/2023	33.14
Account 23000 - Utilities- Electric Totals									Invoice Transactions 2	\$87.06
Account 50300 - Machinery & Equipment										
1434 - MUNICIPAL EQUIPMENT CO INC	0024755	Bonnie Brae Lift Station Equipment	Paid by Check # 17359		08/01/2023	08/01/2023	08/01/2023		08/01/2023	31,669.35
Account 50300 - Machinery & Equipment Totals									Invoice Transactions 1	\$31,669.35
Division 47025 - Sewage Lift Stations Totals									Invoice Transactions 3	\$31,756.41
Department 40 - Public Works Totals									Invoice Transactions 33	\$96,636.11
Department 50 - Community Investment										
Division 47045 - Water System- CIP & Replace										
Account 53100 - CIP Design Eng- Contractual										
4034 - THOUVENOT WADE & MOERCHEN INC	80204	Balance Due This Pay Estimate-WS2404	Paid by Check # 17433		08/02/2023	08/04/2023	08/04/2023		08/03/2023	5,938.76
4034 - THOUVENOT WADE & MOERCHEN INC	80203	Balance Due This Pay Estimate-WS2403	Paid by Check # 17423		08/02/2023	08/04/2023	08/04/2023		08/03/2023	4,749.01

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
4034 - THOUVENOT WADE & MOERCHEN INC	80202	Balance Due This Pay Estimate-WS2402	Paid by Check # 17424		08/02/2023	08/04/2023	08/04/2023		08/03/2023	7,288.01
4034 - THOUVENOT WADE & MOERCHEN INC	80205	Balance Due This Pay Estimate-WS1801	Paid by Check # 17425		08/02/2023	08/04/2023	08/04/2023		08/03/2023	8,230.01
Account 53100 - CIP Design Eng- Contractual Totals								Invoice Transactions 4		\$26,205.79
Division 47045 - Water System- CIP & Replace Totals								Invoice Transactions 4		\$26,205.79
Department 50 - Community Investment Totals								Invoice Transactions 4		\$26,205.79
Department 60 - Debt Service										
Division 47049 - Water & Sewer Bonds & Loans										
Account 64000 - Other Debt Principal										
2642 - FIRST SOUTHERN BANK	AUGUST2023	Loan #25968	Paid by Check # 17385		07/31/2023	08/04/2023	08/04/2023		08/03/2023	4,267.35
Account 64000 - Other Debt Principal Totals								Invoice Transactions 1		\$4,267.35
Account 64100 - Other Debt Interest										
2642 - FIRST SOUTHERN BANK	AUGUST2023	Loan #25968	Paid by Check # 17385		07/31/2023	08/04/2023	08/04/2023		08/03/2023	1,492.64
Account 64100 - Other Debt Interest Totals								Invoice Transactions 1		\$1,492.64
Division 47049 - Water & Sewer Bonds & Loans Totals								Invoice Transactions 2		\$5,759.99
Department 60 - Debt Service Totals								Invoice Transactions 2		\$5,759.99
Fund 70 - Water & Sewer Fund Totals								Invoice Transactions 41		\$138,360.19
Fund 72 - Solid Waste Management										
Department 40 - Public Works										
Division 47200 - Refuse & Recycling Services										
Account 64000 - Other Debt Principal										
6076 - FIRST MID ILLINOIS BANK	08/01/2023	Loan #2739025730 August 2023	Paid by Check # 17357		08/01/2023	08/01/2023	08/01/2023		08/01/2023	3,436.02
Account 64000 - Other Debt Principal Totals								Invoice Transactions 1		\$3,436.02
Account 64100 - Other Debt Interest										
6076 - FIRST MID ILLINOIS BANK	08/01/2023	Loan #2739025730 August 2023	Paid by Check # 17357		08/01/2023	08/01/2023	08/01/2023		08/01/2023	398.36
Account 64100 - Other Debt Interest Totals								Invoice Transactions 1		\$398.36
Division 47200 - Refuse & Recycling Services Totals								Invoice Transactions 2		\$3,834.38
Department 40 - Public Works Totals								Invoice Transactions 2		\$3,834.38
Fund 72 - Solid Waste Management Totals								Invoice Transactions 2		\$3,834.38
Fund 73 - Rental Properties										
Department 40 - Public Works										
Division 47300 - Municipal Rental Properties										
Account 23000 - Utilities- Electric										
303 - AMEREN ILLINOIS	07/24/23-1	26520-02816	Paid by Check # 17367		07/27/2023	08/04/2023	08/04/2023		08/03/2023	99.03
303 - AMEREN ILLINOIS	07/24/23-2	17520-02619	Paid by Check # 17367		07/27/2023	08/04/2023	08/04/2023		08/03/2023	42.27
303 - AMEREN ILLINOIS	07/28/23-1	83620-01513	Paid by Check # 17368		07/31/2023	08/04/2023	08/04/2023		08/03/2023	636.89
Account 23000 - Utilities- Electric Totals								Invoice Transactions 3		\$778.19
Account 23200 - Utilities- Water & Sewer										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/13/23-1	503800-008	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	11.07
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-8	1424400-001	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	406.56

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Account 23200 - Utilities- Water & Sewer Totals							Invoice Transactions 2		\$417.63	
Account 25100 - Repairs & Maint- Bldg & Struc										
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/13/23-1	503800-008	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	15.20
313 - CARBONDALE WATER & SEWAGE SYSTEMS	07/24/23-8	1424400-001	Paid by Check # 17375		07/27/2023	08/04/2023	08/04/2023		08/03/2023	3.20
Account 25100 - Repairs & Maint- Bldg & Struc Totals							Invoice Transactions 2		\$18.40	
Division 47300 - Municipal Rental Properties Totals							Invoice Transactions 7		\$1,214.22	
Department 40 - Public Works Totals							Invoice Transactions 7		\$1,214.22	
Fund 73 - Rental Properties Totals							Invoice Transactions 7		\$1,214.22	
Fund 79 - Group Health Insurance										
Account 14012-010 - Intrafund F/R Due from Operating										
406 - CARBONDALE MEDICAL CLAIMS	07/21/2023	Consociate Monthly Health Insurance August	Paid by Check # 17333		07/25/2023	07/25/2023	07/25/2023		07/25/2023	78,820.99
406 - CARBONDALE MEDICAL CLAIMS	7/21/2023	Medical Claims 07/21/2023	Paid by Check # 17332		07/25/2023	07/25/2023	07/25/2023		07/25/2023	67,779.22
406 - CARBONDALE MEDICAL CLAIMS	07/31/2023	Medical Claims 07/28/2023	Paid by Check # 17350		08/01/2023	08/01/2023	08/01/2023		08/01/2023	73,957.32
Account 14012-010 - Intrafund F/R Due from Operating Totals							Invoice Transactions 3		\$220,557.53	
Department 77 - Internal Service										
Division 47900 - Group Health Insurance										
Account 27100 - Other Outside Services										
394 - CITY OF CARBONDALE	07/31/2023	Reimburse Flexible Spending Account	Paid by Check # 17353		08/01/2023	08/01/2023	08/01/2023		08/01/2023	806.00
6311 - WAGeworks	INV5450600	FSA Monthly Admin Fee & Compliance July 2023	Paid by Check # 17364		08/01/2023	08/01/2023	08/01/2023		08/01/2023	230.50
Account 27100 - Other Outside Services Totals							Invoice Transactions 2		\$1,036.50	
Division 47900 - Group Health Insurance Totals							Invoice Transactions 2		\$1,036.50	
Department 77 - Internal Service Totals							Invoice Transactions 2		\$1,036.50	
Fund 79 - Group Health Insurance Totals							Invoice Transactions 5		\$221,594.03	
Fund 80 - Fire Pension										
Account 20405-010 - Intra F/P General Fund										
394 - CITY OF CARBONDALE	08/01/2023	Salary & Fringe July 2023	Paid by Check # 17354		08/01/2023	08/01/2023	08/01/2023		08/01/2023	1,624.33
Account 20405-010 - Intra F/P General Fund Totals							Invoice Transactions 1		\$1,624.33	
Department 80 - Fiduciary										
Division 48000 - Fire Pension										
Account 85000 - Pension Benefits & Refunds										
705 - FIRE PENSION PAYROLL	07/18/2023	Fire Pension Payroll July 2023	Paid by EFT # 1050		07/25/2023	07/25/2023	07/25/2023		07/25/2023	172,373.17
Account 85000 - Pension Benefits & Refunds Totals							Invoice Transactions 1		\$172,373.17	
Division 48000 - Fire Pension Totals							Invoice Transactions 1		\$172,373.17	
Department 80 - Fiduciary Totals							Invoice Transactions 1		\$172,373.17	
Fund 80 - Fire Pension Totals							Invoice Transactions 2		\$173,997.50	
Fund 81 - Police Pension										
Account 20405-010 - Intra F/P General Fund										
394 - CITY OF CARBONDALE	8/01/2023	Salary & Fringe July 2023	Paid by Check # 17355		08/01/2023	08/01/2023	08/01/2023		08/01/2023	1,547.33
Account 20405-010 - Intra F/P General Fund Totals							Invoice Transactions 1		\$1,547.33	

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Department 80 - Fiduciary										
Division 48100 - Police Pension										
Account 85000 - Pension Benefits & Refunds										
1792 - POLICE PENSION PAYROLL	07/19/2023	Contribution Payout L Ebbert	Paid by EFT # 1051		07/25/2023	07/25/2023	07/25/2023		07/25/2023	37,202.29
1792 - POLICE PENSION PAYROLL	07/18/2023	Police Pension Payroll July 2023	Paid by EFT # 1052		07/25/2023	07/25/2023	07/25/2023		07/25/2023	265,886.13
Account 85000 - Pension Benefits & Refunds Totals							Invoice Transactions 2		\$303,088.42	
Division 48100 - Police Pension Totals							Invoice Transactions 2		\$303,088.42	
Department 80 - Fiduciary Totals							Invoice Transactions 2		\$303,088.42	
Fund 81 - Police Pension Totals							Invoice Transactions 3		\$304,635.75	

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Grand Totals								Invoice Transactions	190	\$1,363,343.81

DIRECTOR OF FINANCE

CITY MANAGER

DATE

DATE

This is to certify that the above warrant was duly presented at a meeting of the council on _____ and payment of said warrant has been made in accordance with the Carbondale Revised Code.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk

LIST OF WARRANTS REVIEWED BY:

Jeffrey M. Davis, City Treasurer

8/22/2023

WARRANT TO THE CITY TREASURER

THE UNDERSIGNED HEREBY CERTIFY THAT THE FOLLOWING BILLS OR INVOICES
 REPRESENT A TRUE AND CORRECT STATEMENT OF COST OF GOODS AND/OR SERVICES
 RENDERED TO THE CITY OF CARBONDALE BY FIRMS OR PERSONS LISTED AND THAT
 SAID FIRMS OR PERSONS ARE ENTITLED TO PAYMENT FOR SAME IN THE AMOUNTS

WARRANT # WF 06/2023 CHECK DATE: 08/11/23

	INVOICE DATE	VENDOR NAME	INVOICE TOTAL	PO#	INVOICE DESCRIPTION
01		GENERAL OPERATIONS			
	01 6/30/2023	Verizon Wireless	\$52.15		Cell Phone Charges 05/04/2023-06/03/2023
	01 6/30/2023	Carbondale Chamber	\$18.00		Chamber Luncheon - May Harvey, Mitchell
	01 6/30/2023	Il Municipal League	\$310.00		IML Annual Conf Registration-CHarvey
	01 6/30/2023	Il Municipal League	\$310.00		IML Annual Conf Registration-GRye-Sanders
	01 6/30/2023	FaceBook	\$109.69		Ad for Lifeguards
	01 6/30/2023	Verizon Wireless	\$84.30		Cell Phone Charges 05/04/2023-06/03/2023
	01 6/30/2023	Niu Outreach	\$33.00		Civic Leadership Academy
	01 6/30/2023	The Printing Plant	\$259.00		Local favorite Rack Cards
	01 6/30/2023	The Printing Plant	\$384.00		Misc. printing
	01 6/30/2023	Staples	\$32.23		Office supplies
	01 6/30/2023	Panera Bread	\$38.63		coffee service for Dick Durbin visit
	01 6/30/2023	Kroger	\$20.00		Balloons for event
	01 6/30/2023	Adobe	\$10.02	2024-00000136	Adobe Acrobat, Cloud, Photo
	01 6/30/2023	The Southern Illinoisan	-\$1.00		Credit automatic credit card charge fee
	01 6/30/2023	The Southern Illinoisan	-\$1.00		Credit automatic credit card charge fee
	01 6/30/2023	The Southern Illinoisan	-\$1.00		Credit auto charge fee
	01 6/30/2023	The Southern Illinoisan	-\$1.00		Credit auto charge fee
	01 6/30/2023	Canva	\$119.40		Subscription
	01 6/30/2023	Currency Conversion Fee	\$1.19		Subscription
	01 6/30/2023	The Southern Illinoisan	\$1.00		Subscription auto pay fee
	01 6/30/2023	Zoom.Us	\$149.90		Membership
	01 6/30/2023	Quill Corporation	\$92.99		Toner Paper Misc
	01 6/30/2023	Staples	\$45.76		signature flags/file folders/binder clips/batteries
	01 6/30/2023	Adobe	\$24.17	2024-00000136	Adobe Acrobat, Cloud, Photo
	01 6/30/2023	Usdc-Il-S/Clerk S Office	\$238.00		Attorney Registration-Southern District
	01 6/30/2023	Verizon Wireless	\$47.15		Cell Phone Charges 05/04/2023-06/03/2023
	01 6/30/2023	Adobe	\$10.02	2024-00000136	Adobe Acrobat, Cloud, Photo
	01 6/30/2023	Verizon Wireless	\$42.15		Cell Phone Charges 05/04/2023-06/03/2023
	01 6/30/2023	Carbondale Chamber	\$18.00		Chamber Luncheon - May Harvey, Mitchell
	01 6/30/2023	McDonalds	\$6.74		Breakfast-CJCalandro-Jackson Co Board Chair
	01 6/30/2023	Casa Raya	\$43.19		Lunch-Jefferson Co Econ Developmnt staff
	01 6/30/2023	Il Dnr Grants	\$306.75		Ap fee-IDNR Park/Rec Facilities grant program
	01 6/30/2023	Zoom.Us	\$149.90		Renewal-Econ Developmnt Zoom account
	01 6/30/2023	Amazon Mktp	\$45.56		2 Wireless Computer Mouse
	01 6/30/2023	Amazon.Com	\$36.80		2 laptop cases
	01 6/30/2023	Adobe	\$20.04	2024-00000136	Adobe Acrobat, Cloud, Photo
	01 6/30/2023	Amazon Mktp	\$1,993.00	2024-00000137	(2) Laptops
	01 6/30/2023	Frontier	\$650.77		Monthly Phone Bill 549-5302

INVOICE			INVOICE	PO#	INVOICE DESCRIPTION
	DATE	VENDOR NAME	TOTAL		
01	6/30/2023	Verizon Wireless	\$36.01	2024-00000136	Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	The Printing Plant	\$97.50		Stickers for Ground Breaking Ceremony
01	6/30/2023	Leblond Productions	\$150.07		Video production 6 15 2023 inv. 258
01	6/30/2023	Digital Dolphin Products	\$179.90		Toner
01	6/30/2023	Amazon Mktp	\$8.76		Groundbreaking supplies
01	6/30/2023	Amazon Mktp	\$9.87		Groundbreaking supplies
01	6/30/2023	Hobby-Lobby	\$13.07		Supplies - Groundbreaking
01	6/30/2023	Schnucks	\$160.51		Supplies - Groundbreaking
01	6/30/2023	Kroger	\$125.90		Groundbreaking trays
01	6/30/2023	Cristaudos	\$252.00		Cookies - Groundbreaking
01	6/30/2023	Hobby-Lobby	-\$11.46		Refund (Groundbreaking Items)
01	6/30/2023	Hobby-Lobby	\$10.44		Groundbreaking supplies
01	6/30/2023	Siuc Athletics Ticket Office	\$104.00		SIU Women's Basketball Tickets
01	6/30/2023	Adobe	\$50.14		Adobe Acrobat, Cloud, Photo
01	6/30/2023	Verizon Wireless	\$42.15		Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Coleman Lawn	\$43.75		repair of pressure washer
01	6/30/2023	Theknot/Weddingwire	\$384.30		digital advertising
01	6/30/2023	Amazon Mktp	\$15.39		scheduling book for 2024 parks
01	6/30/2023	Coleman Lawn	\$13.50		Oil for pressure washer
01	6/30/2023	Schnucks	\$28.53		batteries for lights in chandeliers
01	6/30/2023	Amazon.Com	\$42.98		Pants for Oscar
01	6/30/2023	Amazon Mktp	\$48.37		safety vest and reflective hat for staff
01	6/30/2023	Amazon.Com	\$79.97		two pairs of pants for Oscar
01	6/30/2023	Amazon.Com	-\$5.99		refund for shipping delay
01	6/30/2023	Amazon Mktp	\$38.84		screwdriver set
01	6/30/2023	The Home Depot	\$672.87		Misc janitorial Supplies
01	6/30/2023	Kbs Outdoor Power	\$93.98		Mower parts.
01	6/30/2023	McKeel Equipment	\$926.54		Tractor parts & services.
01	6/30/2023	Missouri Industrial	\$111.77		Forklift parts.
01	6/30/2023	Terminal Supply Co.	\$556.10		Vehicle parts.
01	6/30/2023	1st Ayd Corp	\$110.80		Vehicle parts.
01	6/30/2023	Bumper To Bumper	\$1,344.09		Vehicle parts.
01	6/30/2023	Cape Electrical Supply	\$7,427.50		Vehicle parts.
01	6/30/2023	Certified Laboratories	\$204.68		Vehicle fluids.
01	6/30/2023	Ed Morse Ford	\$4,360.24		Vehicle parts.
01	6/30/2023	Napa Carb	\$2,983.61		Vehicle parts.
01	6/30/2023	Plaza Tire	\$571.88		Vehicle tires.
01	6/30/2023	Raben Tire And Service	\$4,331.04		Trash truck and other vehicle tires.
01	6/30/2023	Roland Machinery Co.	\$614.59		Hydraulic parts for trash truck.
01	6/30/2023	Santies Wholesale Oil	\$3,007.08		Vehicle fluids.
01	6/30/2023	Street Rod Guys	\$94.96		Vehicle parts.
01	6/30/2023	McBride Mack Truck	\$3,297.12		Trash truck repairs and parts.
01	6/30/2023	Delta New Holland	\$361.57		Tractor parts.
01	6/30/2023	Cape Starter	\$582.72		Vehicle parts.
01	6/30/2023	Macqueen Emergency Group	\$260.48		Fire truck parts.
01	6/30/2023	McKeel Equipment	\$41.07		Tractor parts.
01	6/30/2023	Oreilly Auto Parts	\$19.98		Vehicle parts.
01	6/30/2023	Shelby & Sons Inc	\$2,200.00		Vehicle parts.
01	6/30/2023	1560 Lkq Metro	\$175.00		Vehicle parts.

INVOICE			INVOICE		
	DATE	VENDOR NAME	TOTAL	PO#	INVOICE DESCRIPTION
01	6/30/2023	Murdale Ace Hardware	\$20.98		Vehicle parts.
01	6/30/2023	Murdale Ace Hardware	\$22.64		Vehicle parts.
01	6/30/2023	Stearns Sales Llc	\$524.95		Vehicle parts.
01	6/30/2023	Bens Lawn Service	\$1,634.50		Mower parts.
01	6/30/2023	Murdale Ace Hardware	\$41.33		Equipment parts.
01	6/30/2023	McKeel Equipment	\$1,578.33		Tractor parts & services.
01	6/30/2023	McBride Mack Truck	\$2,895.86		Trash truck repairs and parts.
01	6/30/2023	Sheltons Towing	\$450.00		Heavy Duty truck towing.
01	6/30/2023	Government Finance Office	\$225.00		Virtual GFOA Conference - Jeff Davis
01	6/30/2023	Quill Corporation	\$325.89		Toner
01	6/30/2023	Stiles	\$566.04		Misc office supplies
01	6/30/2023	Stiles	\$962.55		Misc office supplies
01	6/30/2023	Stiles	\$291.95		Misc office supplies
01	6/30/2023	Quill Corporation	\$251.60		Toner Paper Misc
01	6/30/2023	Stiles	\$439.08		Misc office supplies
01	6/30/2023	Adobe	\$10.02	2024-00000136	Adobe Acrobat, Cloud, Photo
01	6/30/2023	Amazon Prime	\$14.99		Prime Membership
01	6/30/2023	Frontier	\$40.46		Cemetery 549-1712
01	6/30/2023	Frontier	\$8.10		Fax Line at Fire Station #2
01	6/30/2023	Frontier	\$12.15		Fire Dept 457-3297
01	6/30/2023	Frontier	\$215.98		FiberOffice-City Hall 457-6571
01	6/30/2023	Mediacom Bro	\$294.90		Police Dept-Internet
01	6/30/2023	Clearwave Fiber	\$2,742.53	2024-00000111	Fiber connection 40033/47000-LEADS 40101
01	6/30/2023	Clearly Ip Inc	\$225.28		VoIP Trunking
01	6/30/2023	godaddy.Com	\$224.15		Domain Name Renewal
01	6/30/2023	godaddy.Com	\$22.17		Domain Name Renewal
01	6/30/2023	godaddy.Com	\$422.23		Domain Name Renewals
01	6/30/2023	Amazon Mktp	\$27.53		2 SD Card Readers, 9V Power Supply
01	6/30/2023	Amazon Mktp	\$28.02		Pencil lead, legal pads, USB extension adapter
01	6/30/2023	Adobe	\$138.07	2024-00000136	Adobe Acrobat, Cloud, Photo
01	6/30/2023	Amazon Mktp	\$248.99		Power supply/Computer Replacement (40300)
01	6/30/2023	Amazon.Com	\$1,161.91	2024-00000127	PC Parts (40300)
01	6/30/2023	Amazon Mktp	\$567.33	2024-00000126	PC Parts (40300)
01	6/30/2023	Safariland	\$3,640.00	2024-00000125	Duty Holsters
01	6/30/2023	Striegel Animal Hospital	\$417.45		Vet Fees for K9
01	6/30/2023	Striegel Animal Hospital	\$134.90		Vet Fees for K9
01	6/30/2023	Veterinary Specialty Serv	\$499.00		Vet Fees for K9
01	6/30/2023	Veterinary Specialty Serv	\$499.00		Vet Fees for K9
01	6/30/2023	Veterinary Specialty Serv	\$6.08		Vet Fees for K9
01	6/30/2023	Veterinary Specialty Serv	\$499.00		Vet fees for K9
01	6/30/2023	Veterinary Specialty Serv	\$499.00		Vet Fees for K9
01	6/30/2023	Veterinary Specialty Serv	\$499.00		Vet fees for K9
01	6/30/2023	Frontier	\$70.99		PD Cameras 549-0575
01	6/30/2023	Frontier	\$389.79		Automated Answering/Fax System 351-1145
01	6/30/2023	Frontier	\$53.19		Firing Range Line-529-3454
01	6/30/2023	Frontier	\$39.30		Carbondale Crimestoppers Line 549-2677
01	6/30/2023	Frontier	\$814.47		Automated Answering System 457-3200
01	6/30/2023	Frontier	\$53.19		Dispatch TTY Phone Line 549-4841
01	6/30/2023	Frontier	\$165.83		911 Emergency Line 549-2121

INVOICE			INVOICE		
	DATE	VENDOR NAME	TOTAL	PO#	INVOICE DESCRIPTION
01	6/30/2023	Frontier	\$359.51		Emergency Lines 549-0962
01	6/30/2023	Verizon Wireless	\$221.12		CCTV Air Cards-June
01	6/30/2023	Verizon Wireless	\$1,887.43		Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Clearwave Fiber	\$299.00	2024-00000111	Fiber connection 40033/47000-LEADS 40101
01	6/30/2023	Fedex	\$33.35		FedEx Shipping Charges sent 05/19/2023
01	6/30/2023	Fedex	\$44.85		FedEx Shipping Charges sent 06/02/2023
01	6/30/2023	Fedex	\$60.37		FedEx Shipping Charges sent on 06/12/2023
01	6/30/2023	Gdp*In Training	\$600.00	2024-00000143	Training-Mission Planning/Cell Investigate Techs
01	6/30/2023	Calibre Press	\$359.00		Training - Women in Command
01	6/30/2023	Fairfield Inn & Suite	\$403.41		hotel for training
01	6/30/2023	Motomart	\$48.05		Gas from training
01	6/30/2023	Hilton	\$383.04		Hotel Accomodations-Sgt. Dillow's Training
01	6/30/2023	Portillo	\$35.65		Dinner while at Chiefs Conference
01	6/30/2023	Caseys	\$10.01		Fuel returning from training. in Belleville
01	6/30/2023	Stiles	\$441.76		Copier MAINT
01	6/30/2023	McDonalds	\$12.15		Prisoner Meal
01	6/30/2023	Amazon.Com	\$9.29		Office Supplies
01	6/30/2023	Murdale Ace Hardware	\$5.00		Keys
01	6/30/2023	Wal-Mart	\$30.00		Office Supplies
01	6/30/2023	Walgreens	\$7.19		Meds for NCP 154 Special Grant
01	6/30/2023	Amazon.Com	\$20.94		Evidence Supplies
01	6/30/2023	Wal-Mart	\$98.86		Snacks for IYC
01	6/30/2023	Amazon Mktp	\$95.98		IT Supplies
01	6/30/2023	Rural King	\$39.96		Supplies for IYC
01	6/30/2023	Wal-Mart	\$31.36		Supplies for IYC
01	6/30/2023	Wal-Mart	\$31.32		Supplies for IYC
01	6/30/2023	Wal-Mart	\$22.63		Supplies for IYC
01	6/30/2023	Save A Lot	\$32.59		Supplies for IYC
01	6/30/2023	The Printing Plant	\$260.00		Mini Plaques for IYC
01	6/30/2023	Amazon Mktp	\$41.89		Evidence Supplies
01	6/30/2023	Quatros	\$203.25		Pizza's for IYC
01	6/30/2023	Wal-Mart	\$65.96		Supplies for IYC
01	6/30/2023	Wal-Mart	\$23.98		Supplies for IYC
01	6/30/2023	Wal-Mart	\$5.14		Supplies for IYC
01	6/30/2023	Wal-Mart	\$39.92		Supplies for IYC
01	6/30/2023	Wal-Mart	-\$23.98		Credit for Returned IYC Items
01	6/30/2023	Rural King	\$79.96		Food for K9
01	6/30/2023	Wal-Mart	\$170.61		Janitorial Supplies
01	6/30/2023	Wal-Mart	\$16.98		Supplies for IYC
01	6/30/2023	Cintas Corp	\$199.99		Monthly Fill of First Aid Boxes
01	6/30/2023	Amazon Mktp	\$16.24		Fillable Ice Bags
01	6/30/2023	Amazon Mktp	\$64.48		Supplies for Animal Control
01	6/30/2023	Nametapefactory	\$58.94		SRT Supplies
01	6/30/2023	Tacticalgear.Com	\$276.05		SRT Supplies
01	6/30/2023	Wal-Mart	\$59.12		supplies for officers
01	6/30/2023	Pure Pet	\$93.99		Food for K9
01	6/30/2023	Pure Pet	\$59.99		Food for K9
01	6/30/2023	Amazon.Com	\$139.60		Youth Police Camp Supplies
01	6/30/2023	Amazon Mktp	\$33.62		Youth Police Camp Supplies

INVOICE			INVOICE		
	DATE	VENDOR NAME	TOTAL	PO#	INVOICE DESCRIPTION
01	6/30/2023	Wal-Mart	\$176.70	2024-00000136	Youth Police Camp-Supplies /Picture printouts
01	6/30/2023	Walmart.Com	\$40.88		Youth Police Camp - Picture printouts
01	6/30/2023	Larrys House Of Cake	\$87.00		Snacks-Sgts Promotion/K9 Retirement ceremony
01	6/30/2023	The Printing Plant	\$215.00		Retirement plaques-CPD/K9 Officer Nala
01	6/30/2023	Adobe	\$30.06		Adobe Acrobat, Cloud, Photo
01	6/30/2023	Giant City Lodge	\$246.84		IYC
01	6/30/2023	Wal-Mart	\$88.46		IYC
01	6/30/2023	Dropbox	\$119.88		Dropbox Membership
01	6/30/2023	Tlo Transunion	\$177.00		TLO for Law Enforcement
01	6/30/2023	Psi Services Llc	\$175.00		Membership Fees
01	6/30/2023	Vogler Motor Co, Inc	\$168.00	2024-00000112	License and title fee.
01	6/30/2023	Ilsos Int Veh Renewal	\$154.40		Vehicle plate renewal.
01	6/30/2023	Amazon Mktp	\$2,395.97		Toughbook Laptop for Squad Car
01	6/30/2023	Sentinel Emergency	\$450.84		Turnout helmet for FF Mayer
01	6/30/2023	Frontier	\$88.87		Fire Dept 457-3297
01	6/30/2023	Frontier	\$160.33		ESDA Telephone & Teletype 549-5021
01	6/30/2023	Frontier	\$45.87		Fire Station #2 529-5115
01	6/30/2023	Frontier	\$45.25		Fire Station #1 457-3298
01	6/30/2023	Frontier	\$45.30		Fax Line at Fire Station #2
01	6/30/2023	Frontier	\$155.41		Direct Lines from Fire Stations to PD
01	6/30/2023	Verizon Wireless	\$546.41	2024-00000164	Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Southern Gas	\$47.84		LP refill at Station 1
01	6/30/2023	Il Dpt Pub Health Ems	\$21.00		EMR License Renewal for FF Greathouse
01	6/30/2023	Murdale Ace Hardware	\$5.74		Quint 12 MAINT
01	6/30/2023	Autozone	\$3.49		Chain saw MAINT
01	6/30/2023	Amazon Mktp	\$13.54		Light Plant MAINT
01	6/30/2023	Dinges Fire Company	\$82.19		Replacement lanyard-thermal imaging camera
01	6/30/2023	Fire Supply Depot	\$79.50		Extinguisher gauges
01	6/30/2023	Murdale Ace Hardware	\$23.38		Grinder disc
01	6/30/2023	Omnigo Software Llc	\$4,106.70		Information Technology Software maint-6 mo.
01	6/30/2023	Amazon.Com	\$32.99	2024-00000140	Presentation clicker for Station 2 Training Room
01	6/30/2023	The Home Depot	\$71.20		Misc janitorial Supplies
01	6/30/2023	Schnucks	\$238.17		Coal Belt dinner supplies
01	6/30/2023	Schnucks	\$4.38		Coal Belt Meeting/Dinner Supplies
01	6/30/2023	Galls	\$49.98		Polo for Prob FF Taylor
01	6/30/2023	Lynn Card Company	\$54.05		Note cards
01	6/30/2023	American Med Supply	\$139.30		EMR Supplies
01	6/30/2023	The Printing Plant	\$20.00		Engraved name plates-photo/painting-Church fire
01	6/30/2023	Sentinel Emergency	\$62.20		Turnout helmet front for FF Bartlow
01	6/30/2023	Wal-Mart	\$20.62		Janitorial Supplies
01	6/30/2023	Bound Tree Medical Llc	\$490.99	2024-00000140	EMR Supplies for IDPH Grant
01	6/30/2023	Bound Tree Medical Llc	\$105.52		EMR Supplies for IDPH Grant
01	6/30/2023	Bound Tree Medical Llc	\$373.50		EMR Supplies for IDPH Grant
01	6/30/2023	Bound Tree Medical Llc	\$20.08		EMR Supplies for IDPH Grant
01	6/30/2023	Galls	\$244.93		Polos
01	6/30/2023	Schnucks	\$2.60		Coal Belt Meeting/Dinner Supplies
01	6/30/2023	Circle K	\$18.50		Gas for Rescue Boat
01	6/30/2023	Bound Tree Medical Llc	\$1,479.99		Airway MGMT Trainer
01	6/30/2023	Frontier	\$89.60		ESDA Telephone & Teletype 549-5021

INVOICE			INVOICE		
	DATE	VENDOR NAME	TOTAL	PO#	INVOICE DESCRIPTION
01	6/30/2023	Frontier	\$160.32		ESDA Telephone & Teletype 549-5021
01	6/30/2023	Verizon Wireless	\$47.15		Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Verizon Wireless	\$47.15		Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Staples	\$199.98		planning counter printer cartridges
01	6/30/2023	Lowes	\$20.48		2.5 in lam lng shk steel sheet
01	6/30/2023	Adobe	\$70.18	2024-00000136	Adobe Acrobat, Cloud, Photo
01	6/30/2023	Galls	\$63.28	2024-00000131	Dave's Columbia Rain Jacket
01	6/30/2023	Galls	\$716.20	2024-00000131	pants/jackets/socks-Inspectors
01	6/30/2023	Verizon Wireless	\$591.31		Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Intl Code Council Inc	\$79.00		2018 Property maint/Housing study guide
01	6/30/2023	Intl Code Council Inc	\$79.00		2018 Property maint/Housing Study guide
01	6/30/2023	Digital Dolphin Products	\$343.80		Toner
01	6/30/2023	Wal-Mart	\$85.52		phone cases/chargers/charging cords
01	6/30/2023	Wal-Mart	\$41.50		light bulbs/phone charging cables
01	6/30/2023	Wal-Mart	\$35.01		No trespassing signs/stapler gun/staplers
01	6/30/2023	Wal-Mart	\$43.61		bug spray, no trespassing signs
01	6/30/2023	Wal-Mart	-\$47.86		credit for supplies
01	6/30/2023	Wal-Mart	\$47.86		supplies for bns
01	6/30/2023	Lowes	\$31.05		osb sheating for houses
01	6/30/2023	Verizon Wireless	\$234.48		Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Quill Corporation	\$79.98		Toner Paper Misc
01	6/30/2023	Lowes	\$27.84		Locator batteries
01	6/30/2023	Adobe	\$10.02	2024-00000136	Adobe Acrobat, Cloud, Photo
01	6/30/2023	Fedex	\$40.79		FedEx Shiipping Charges sent 05/26/23
01	6/30/2023	Verizon Wireless	\$42.15		Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Safety Kleen Systems	\$165.11		Shop parts washer services.
01	6/30/2023	Schnucks Carbondale	\$40.52		Shop supplies.
01	6/30/2023	Huelsmann Distribution	\$26.99		Shop supplies.
01	6/30/2023	Murdale Ace Hardware	\$34.18		Nuts Bolts and Washers
01	6/30/2023	Murdale Ace Hardware	\$60.79		Replacement Keys
01	6/30/2023	Amazon Mktp	\$20.98		garden hose cap/washers
01	6/30/2023	Amazon.Com	\$58.38		curtain switch
01	6/30/2023	Amazon Mktp	\$32.56		curtain switch magnet
01	6/30/2023	Lowes	\$12.98		misc items
01	6/30/2023	Johnstone Supply	\$9.98		misc items
01	6/30/2023	Johnstone Supply	\$25.73		tie cables
01	6/30/2023	Johnstone Supply	\$89.70		crankcase heater
01	6/30/2023	Johnstone Supply	\$169.14		pleated extended surface
01	6/30/2023	Murdale Ace Hardware	\$43.98		batteries
01	6/30/2023	Murdale Ace Hardware	\$34.63		computer surge protector
01	6/30/2023	Johnstone Supply	\$56.57		filters
01	6/30/2023	Amazon.Com*ck02n59w3	\$54.35		curtain switch
01	6/30/2023	Amazon Mktp	\$32.07		curtian switch magnet
01	6/30/2023	Johnstone Supply	\$84.27		pleated extended surface
01	6/30/2023	Aramark Uniform	\$251.51		mat rental for PD
01	6/30/2023	Aramark Uniform	\$182.60		mat rental for civic center
01	6/30/2023	Cintas	\$207.25	2024-00000022	Annual fire ext. inspection - Civic Center
01	6/30/2023	Cintas	\$1,841.91	2024-00000022	Annual fire ext. inspection - PD
01	6/30/2023	Cintas	\$227.43	2024-00000022	Annual fire ext. inspection - Shooting Range

INVOICE			INVOICE		
	DATE	VENDOR NAME	TOTAL	PO#	INVOICE DESCRIPTION
01	6/30/2023	Cintas	\$152.05	2024-00000022	Annual fire ext. inspection - FD #1
01	6/30/2023	Cintas	\$72.45	2024-00000022	Annual fire ext. inspection - FD #2
01	6/30/2023	Cintas	\$582.19	2024-00000022	Annual fire ext. inspection - Street Dept
01	6/30/2023	Cintas	\$58.65	2024-00000022	Annual fire ext. inspection - Oakland Cemetery
01	6/30/2023	Cintas	\$58.65	2024-00000022	Annual fire ext. inspection - Building Maint
01	6/30/2023	Security Alarm	\$936.00	2024-00000195	Alarm Inspections/alarm monitoring services
01	6/30/2023	Security Alarm	\$346.56	2024-00000195	Alarm Inspections/alarm monitoring services
01	6/30/2023	Security Alarm	\$313.56	2024-00000195	Alarm Inspections/alarm monitoring services
01	6/30/2023	Security Alarm	\$329.16	2024-00000195	Alarm Inspections/alarm monitoring services
01	6/30/2023	Security Alarm	\$2,717.50	2024-00000195	Alarm Inspections/alarm monitoring services
01	6/30/2023	Security Alarm	\$691.20	2024-00000195	Alarm Inspections/alarm monitoring services
01	6/30/2023	Enviro Tech Termite	\$2,109.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$456.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$120.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$418.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$95.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$285.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$323.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$1,425.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$570.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$228.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Enviro Tech Termite	\$800.00	2024-00000117	City Hall Pest Control
01	6/30/2023	Verizon Wireless	\$173.60		Cell Phone Charges 05/04/2023-06/03/2023
01	6/30/2023	Johnstone Supply	\$39.19		filter dryer
01	6/30/2023	Southern FS	\$72.73		Cylinder Fills for MES Equipment
01	6/30/2023	Thad Ellet Plumbing	\$1,080.00		Back Flow Preventor Testing
01	6/30/2023	Blue Cardinal Chemical	\$5,489.32	2024-00000100	Aquaphault
01	6/30/2023	Republic Services Trash	\$2,690.86		Landfill bill street sweepings
01	6/30/2023	Staples	\$93.34		files/magnetic tape/clipcase
01	6/30/2023	Rural King	\$31.96		Spray Paint
01	6/30/2023	Rural King	\$123.97		Enamel spray paint.
01	6/30/2023	Rural King	\$112.95		Seed and straw bale.
01	6/30/2023	Rural King	-\$123.97		50 lbs bag of Kentucky seed.
01	6/30/2023	Rural King	\$349.00		fuel two piece combo kit
01	6/30/2023	Lowes	\$101.42		safety gear-earmuffs/eyewear/ear plugs
01	6/30/2023	Murdale Ace Hardware	\$34.99		5 gallon cooler
01	6/30/2023	Lowes	\$215.96		quikcrete
01	6/30/2023	Lowes	\$12.16		nails
01	6/30/2023	Lowes	\$29.76		nails
01	6/30/2023	Rural King	\$135.11		wire/duct tape/electrical tape/nut driver
01	6/30/2023	Rp Lumber	\$146.78		rebar
01	6/30/2023	Uattend.Com	\$155.00		Public Works Time Clock
01	6/30/2023	Schulte Supply	\$324.60		Marking Paint
01	6/30/2023	Amazon Mktp	\$29.97		Iphone Charging Cords
01	6/30/2023	Unifirst First Aid	\$108.26		Safety Supplies
01	6/30/2023	Amazon Mktp	\$297.42		Safety Vest and Phone Case
01	6/30/2023	Uattend.Com	\$155.00		Public Works Time Clock
01	6/30/2023	Springfield Electric	\$335.45		Rachet cutter
01	6/30/2023	Rural King	\$72.53		supplies for general use

INVOICE

	DATE	VENDOR NAME
01	6/30/2023	Springfield Electric
01	6/30/2023	Rural King
01	6/30/2023	Frontier
01	6/30/2023	Verizon Wireless
01	6/30/2023	Verizon Wireless
01	6/30/2023	Forestry Suppliers Inc
01	6/30/2023	Siteone Landscape Supply
01	6/30/2023	Lowes
01	6/30/2023	Springfield Electric
01	6/30/2023	Lowes
01	6/30/2023	Lowes
01	6/30/2023	Lowes
01	6/30/2023	Lowes
01	6/30/2023	Murdale Ace Hardware
01	6/30/2023	Rural King
01	6/30/2023	Lowes

INVOICE

TOTAL
\$0.71
\$22.23
\$45.61
\$42.15
\$42.15
\$307.67
\$299.27
\$24.98
\$88.26
\$51.98
\$62.24
\$47.78
\$79.96
\$13.49
\$55.98
\$184.00

PO#

INVOICE DESCRIPTION

part for street lighting
 parts for the sign shop
 Cemetery 549-1712
 Cell Phone Charges 05/04/2023-06/03/2023
 Cell Phone Charges 05/04/2023-06/03/2023
 3 nozzle broadcast boom for Kubota
 Herbicide for nutsedge & bermuda grass
 sprinkler
 Splice kits to fix light pole tool to cut large wire
 Paint for park signs
 decking
 metal gasket/metal box/stretch clear
 4-tier shelf
 brass hose with shutoff
 sprinklers
 treated lumber

\$121,504.57**11 Motor Fuel Tax Fund Purchases**

11	6/30/2023	Egyptian Electric	\$458.48
11	6/30/2023	3m	\$2,882.40
11	6/30/2023	Plp Battery Supply	\$317.00

\$3,657.88

E Park Wtr Tank/Traffic Signals/Bike Path
 Sign Sheeting for Stock
 for traffic cabinet battery backup

70 Water & Sewer Fund Purchases

70	6/30/2023	Frontier	\$245.41
70	6/30/2023	Verizon Wireless	\$136.45
70	6/30/2023	Clearwave Fiber	\$1,500.00
70	6/30/2023	Ups	\$30.00
70	6/30/2023	Ups	\$30.00
70	6/30/2023	Ups	\$30.00
70	6/30/2023	Ups	\$30.00
70	6/30/2023	Wef Reg	\$815.00
70	6/30/2023	Wal-Mart	\$27.76
70	6/30/2023	Wef Main	\$175.00
70	6/30/2023	Frontier	\$90.94
70	6/30/2023	Frontier	-\$18.26
70	6/30/2023	Verizon Wireless	\$79.09
70	6/30/2023	Egyptian Electric	\$53.22
70	6/30/2023	Cintas	\$274.39
70	6/30/2023	Enviro Tech Termite	\$125.00
70	6/30/2023	Lowes	\$105.33
70	6/30/2023	Rural King	\$20.99
70	6/30/2023	Dicks Sporting	\$269.80
70	6/30/2023	Amazon Mktp	\$27.98
70	6/30/2023	Amazon Mktp	\$297.20
70	6/30/2023	Rural King	\$119.99
70	6/30/2023	Rural King	\$64.95
70	6/30/2023	Rural King	-\$119.99

2024-00000111

2024-00000118

2024-00000022

2024-00000117

WTP 529-1731
 Cell Phone Charges 05/04/2023-06/03/2023
 Fiber connection 40033/47000-LEADS 40101
 UPS Service Charges sent the week of 05/06/23
 UPS Service Charges sent the week of 05/13/23
 UPS Service Charges sent the week of 05/27/23
 UPS Service and Shipping Charges
 conference registration travel # 810183
 phone case/screen protector
 WEF annual membership
 Cedar Lake 549-8441
 Cedar Lake 549-8441
 Cell Phone Charges 05/04/2023-06/03/2023
 NWWWTP/Poplar Camp Beach- Lift Stations
 Annual fire ext. inspection - Cedar Lake
 City Hall Pest Control
 quick-crete, furnace filters
 Scooper for beach
 Lifeguard masks, snorkels and fins
 dish soap
 lifeguard equipment/nitrile gloves/cleaning supplies
 Coyote call-repel geese at beach. Item returned.
 Trash bags
 Refund for coyote call return.

INVOICE			INVOICE		
	DATE	VENDOR NAME	TOTAL	PO#	INVOICE DESCRIPTION
70	6/30/2023	Wal-Mart	\$58.34		concessions
70	6/30/2023	Spires Wholesale Grocery	\$78.00		concessions
70	6/30/2023	Wal-Mart	\$55.84		concessions
70	6/30/2023	Wal-Mart	\$118.62		concessions
70	6/30/2023	Spires Wholesale Grocery	\$130.00		concessions
70	6/30/2023	Wal-Mart	\$256.89		concessions
70	6/30/2023	Wal-Mart	\$73.47		concessions
70	6/30/2023	Frontier	\$49.59		Central Lab 457-8613
70	6/30/2023	Verizon Wireless	\$42.15		Cell Phone Charges 05/04/2023-06/03/2023
70	6/30/2023	Thermoelectronnort	\$9,785.86	2024-00000079	ICP-MS Thermo Electron Service Contract
70	6/30/2023	Awg	\$83.15	2024-00000155	Gas Cylinder Rental Fee
70	6/30/2023	Era-A Waters Company	\$1,170.53	2024-00000103	Proficiency Test Samples-Wastewtr Certification
70	6/30/2023	Era-A Waters Company	\$917.56	2024-00000051	Proficiency Test Samples-Water Certification
70	6/30/2023	Wal-Mart	\$47.12		Office Supplies
70	6/30/2023	Amazon Mktp	\$349.65		Wide Opening Pipettes for Wastewater Analysis
70	6/30/2023	Hach Company	\$158.35		BOD Analysis/Filling Solution for pH Probes
70	6/30/2023	Amazon Mktp	\$91.43		Indicator Tape for Autoclave Sterilization
70	6/30/2023	Fisher Scientific	\$140.00		Pipette Tips-Wastewater/Water Analysis
70	6/30/2023	Fisher Scientific	\$275.61		Hydrochloric Acid/Pipette Tips-Metals Analysis
70	6/30/2023	Inorganic Ventures, Inc.	\$378.66		ICP-MS Calibration Solution-Metals Analysis
70	6/30/2023	Environmentalexprs	\$2,963.00	2024-00000098	BOD Bottles/TSS Filters-Wastewater Analysis
70	6/30/2023	Hach Company	\$64.45		Dish Contamination Indicator-clean glassware
70	6/30/2023	Fisher Scientific	\$228.50		Nitric Acid for Metals Analysis of Water
70	6/30/2023	Awg	\$433.02	2024-00000155	Argon Gas for Metals Analysis in Water
70	6/30/2023	Fisher Scientific	\$97.50		Graduated Cylinders-Water/Wastewtr Analysis
70	6/30/2023	Hach Company	\$66.95		BOD Standards for Wastewater Analysis
70	6/30/2023	Fisher Scientific	\$27.40		Graduated Cylinders-Wtr/Wastewtr Analysis
70	6/30/2023	Hach Company	\$160.30		Wastewater COD Kits
70	6/30/2023	Environmentalexprs	\$384.88		Ion Chromatograph Calibration Standards
70	6/30/2023	Verizon Wireless	\$42.15		Cell Phone Charges 05/04/2023-06/03/2023
70	6/30/2023	Ups	\$80.92		UPS Service and Shipping Charges
70	6/30/2023	Egyptian Electric	\$713.87		NWWWTP/Poplar Camp Beach- Lift Stations
70	6/30/2023	Egyptian Electric	\$289.57		E Park Wtr Tank/Traffic Signals/Bike Path
70	6/30/2023	Lowes	\$41.24		Zip ties, shut off ball valves
70	6/30/2023	Murdale Ace Hardware	\$24.29		outdoor timer
70	6/30/2023	Aramark Uniform	\$127.16		Nylon mat rental
70	6/30/2023	Cintas	\$837.79	2024-00000022	Annual fire ext. inspection - WTP
70	6/30/2023	Security Alarm	\$1,005.24	2024-00000195	Alarm Inspections/alarm monitoring services
70	6/30/2023	Enviro Tech Termite	\$200.00	2024-00000117	City Hall Pest Control
70	6/30/2023	Enviro Tech Termite	\$684.00	2024-00000117	City Hall Pest Control
70	6/30/2023	Building Services Supply	\$55.73		trash bags
70	6/30/2023	Amazon Mktp	\$26.63		light bulbs and glass cleaner.
70	6/30/2023	NAPA	\$119.88		Case of grease
70	6/30/2023	The Home Depot	\$18.34		parts for yard hydrant at Town Square
70	6/30/2023	Rural King	\$4.99		pipe thread compound
70	6/30/2023	Lowes	\$14.28		nuts and bolts for large meters
70	6/30/2023	Kroger	\$41.76		supplies for fire hydrant training
70	6/30/2023	Rural King	\$5.99		Impact socket for side stop shut offs.
70	6/30/2023	Rural King	\$260.96		8 inch pruning chainsaw

INVOICE

	DATE	VENDOR NAME
70	6/30/2023	Lowes
70	6/30/2023	Frontier
70	6/30/2023	Verizon Wireless
70	6/30/2023	Aramark Uniform
70	6/30/2023	Cintas
70	6/30/2023	Enviro Tech Termite
70	6/30/2023	Coleman Lawn
70	6/30/2023	Lowes
70	6/30/2023	Frontier
70	6/30/2023	Ups
70	6/30/2023	Egyptian Electric
70	6/30/2023	Cintas
70	6/30/2023	Enviro Tech Termite
70	6/30/2023	Enviro Tech Termite
70	6/30/2023	Enviro Tech Termite
70	6/30/2023	Lowes
70	6/30/2023	Frontier
70	6/30/2023	Frontier
70	6/30/2023	Egyptian Electric
70	6/30/2023	NAPA

INVOICE

TOTAL	PO#	INVOICE DESCRIPTION
\$46.44		hydraulic cement
\$51.49		Southeast Plant 549-3014
\$42.15		Cell Phone Charges 05/04/2023-06/03/2023
\$72.27		dust mops
\$1,309.55	2024-00000022	Annual fire ext. inspection - SEWWTP
\$969.00	2024-00000117	City Hall Pest Control
\$56.97		small tools
\$184.36		cleaning supplies
\$55.46		NWWWTP 457-7003
\$21.32		UPS Service and Shipping Charges
\$283.97		NWWWTP/Poplar Camp Beach- Lift Stations
\$1,363.33	2024-00000022	Annual fire ext. inspection - NWWWTP
\$513.00	2024-00000117	City Hall Pest Control
\$399.00	2024-00000117	City Hall Pest Control
\$456.00	2024-00000117	City Hall Pest Control
\$155.40		Air Compressor, Air Line, Tire Gauge
\$48.52		Marion St. Lift Station 457-3624
\$53.26		Bonnie Brae Subdivision 549-2987
\$1,388.39		NWWWTP/Poplar Camp Beach- Lift Stations
\$23.99		Clear Coat
<u>\$35,185.73</u>		

72

Solid Waste Management Fund Purchases

72	6/30/2023	Southern Illinoisan	\$840.00		Carbondale Times Spring Cleanup ads
72	6/30/2023	Southern Illinoisan	\$420.00		Carbondale Times Spring Cleanup ads
72	6/30/2023	Verizon Wireless	\$42.15		Cell Phone Charges 05/04/2023-06/03/2023
72	6/30/2023	Republic Services Trash	\$8,697.80		Landfill bill
72	6/30/2023	Republic Services Trash	\$6,712.26		Landfill bill
72	6/30/2023	Rehrig Pacific Company	\$7,912.00	2024-00000040	Recycling bins
			<u>\$24,624.21</u>		

73

Rental Property Fund Purchases

73	6/30/2023	Verizon Wireless	\$47.15		Cell Phone Charges 05/04/2023-06/03/2023
73	6/30/2023	Amazon Mktp	\$514.23	2024-00000138	electronic keyless lock for mass transit
73	6/30/2023	Cintas	\$65.55	2024-00000022	Annual fire ext. inspection - Old Train Station
73	6/30/2023	Cintas	\$100.05	2024-00000022	Annual fire ext. inspection - Cambridge Building
73	6/30/2023	Enviro Tech Termite	\$456.00	2024-00000117	City Hall Pest Control
73	6/30/2023	Enviro Tech Termite	\$95.00	2024-00000117	City Hall Pest Control
73	6/30/2023	Lowes	\$19.95		Office Supplies
73	6/30/2023	Staples	\$54.98		Office Supplies
73	6/30/2023	Microsoft	\$20.00		Microsoft OneDrive Subscription
			<u>\$1,372.91</u>		

INVOICE

DATE

VENDOR NAME

INVOICE

TOTAL

PO#

INVOICE DESCRIPTION

GRAND TOTAL **\$186,345.30**

DIRECTOR OF FINANCE

CITY MANAGER

DATE

DATE

THIS IS TO CERTIFY THAT THE ABOVE WARRANT WAS DULY PRESENTED AT A MEETING
OF THE COUNCIL ON _____ AND PAYMENT OF SAID WARRANT HAS BEEN
MADE IN ACCORDANCE WITH THE CARBONDALE REVISED CODE.

APPROVED

Carolyn Harvey, Mayor

ATTEST:

Jennifer R. Sorrell, City Clerk

LIST OF WARRANTS REVIEWED BY:

Jeff Davis, City Treasurer

Foreign Fire Minutes

Regular Meeting

06/08/2023

Call to Order 9:00 AM

Attendees

Chief Hertz, S. Myers, Burnham, Greathouse, Eubanks

Guests: Looft, Fairfield

Prior Meeting Minutes

Approved- Hertz, Myers (5-0)

Treasurer's Report

Current Available Balance \$27,050.73. Approved. Hertz, Greathouse (5-0)

Last Meeting Follow-Up

- IML Model Resolution: Foreign Fire Insurance License Fee
 - Tabled – Still gathering information.
 - Meeting planned for June 29th to make final decision

New Business

- Nominations and Elections of Expiring Trustee Positions
 - Greathouse and Garza terms are complete. Looft and Abbott are nominated to fill the vacancies. Approved. Burnham, S. Myers (5-0)
- Nominations and Elections of Executive Board
 - Nominations: President – Young, Vice President – Looft, Treasurer – Burnham, Secretary – S. Myers. Approved. Eubanks, Hertz (5-0)
- Purchase of Equipment and Tools
 - \$100 for TRT Equipment – Approved – Hertz, S. Myers (5-0)
- Purchase of Station Furnishings
 - \$175 for Garmin BPM for St. 1 – Approved – Burnham, Myers (5-0)
 - \$2,000 for new gear drying rack – Approved – Looft, Burnham (5-0)
 - \$5,200 for new kitchen chairs – Approved – S. Myers, Looft (5-0)
 - \$6,000 for new recliners for St. 2 – Approved – Hertz, Eubanks (5-0)
- Purchase of Duty Apparel
- Purchase of Kitchen Furnishings
 - \$100 for Kitchen Supplies – Approved – S. Myers, Burnham (5-0)
- Purchase of Fitness Equipment
- Purchase of Miscellaneous Items

Adjourn at 9:37 AM – Burnham, Hertz (5-0)

Meeting minutes prepared by: Foreign Fire Insurance Board Secretary, Steven Myers

Foreign Fire Minutes

Regular Meeting

06/29/2023

Call to Order 9:02 AM

Attendees

Chief Hertz, Young, Burnham, Looft, Abbott

Guests:

Prior Meeting Minutes

Approved- Hertz, Abbot (5-0)

Treasurer's Report

Current Available Balance \$13,935.61. Approved. Looft, Abbott (5-0)

Last Meeting Follow-Up

- IML Model Resolution: Foreign Fire Insurance License Fee
 - Approved. Looft, Hertz (4-1).
 - Complete and send Resolution and Contact Form to IML

New Business

- Purchase of Equipment and Tools
 - \$2000 for new tires for brush truck. Approved. Burnham, Looft (5-0)
 - \$200 for new blades for mowers. Approved. Looft, Abbott (5-0)
- Purchase of Station Furnishings
- Purchase of Duty Apparel
- Purchase of Kitchen Furnishings
- Purchase of Fitness Equipment
- Purchase of Miscellaneous Items
- OMA & FOIA Officer for board will be the secretary. Must complete annual training online.

Adjourn at 9:18 AM – Abbott, Looft (5-0)

Meeting minutes prepared by: Foreign Fire Insurance Board Secretary, Steven Myers



**BOARD OF FIRE AND
POLICE COMMISSIONERS**
Thursday, May 18, 2023, at 9:00 am
Meeting Minutes

1. Call to Order / Roll Call

The City of Carbondale Board of Fire and Police Commissioners held a meeting on Thursday, May 18, 2023, in Carbondale Civic Center Room 103; 200 South Illinois Avenue. Chairman Kerry Braswell called the meeting to order at 9:00 a.m.

Roll Call

Commissioners Present: Kerry Braswell, Tom Busch, Linda Flowers

Commissioners Absent: Randy Burnside

Acknowledgement of Guests

Also present were Deputy City Clerk Clinette Hayes, Diversity, Equity, & Inclusion Coordinator Sharonda Cawthon, Police Chief Stan Reno, and Deputy Police Chief Matt Dunning.

2. Citizen's Comments

None

3. Approval of the Meeting Minutes from April 20, 2023

MOTION: L. Flowers moved, T. Busch seconded, that the Board approve the meeting minutes from April 20, 2023. VOTE: All ayes. Nays – None. Motion declared carried.

4. Closed Meeting to Conduct Oral Interviews for Entry Level Police Officer

MOTION: T. Busch moved, L. Flowers seconded, that the Board hold a closed meeting for the purpose of discussing the appointment, employment, compensation, discipline, performance, or dismissal of specific employees pursuant to 5 ILCS 120/2(c)(1), specifically to conduct oral interviews for Entry Level Police Officer. VOTE: All Ayes. Nays – None. Motion declared carried. Open session recessed at 9:01 a.m.

5. Return to Open Session

There was no formal action taken as a result of the closed meeting. There being no further business to come before the Board, T. Busch moved, L. Flowers seconded, that the Board return to open session. VOTE: All Ayes. Nays – None. Motion declared carried. Open session resumed at 9:24 a.m.

6. City Staff Updates / Comments

Police Chief Stan Reno gave an update on the candidates who are currently attending the police academy.

Deputy City Clerk Clair Hayes reminded the Board of the upcoming fire promotional examinations for Fire Captain and Assistant Fire Chief. Oral interviews for both will be Friday, August 11, 2023.

7. Board Comments

Board members asked questions about the license plate readers and body cameras that are being implemented. Police Chief Stan Reno addressed their inquiries.

8. Adjournment

Meeting adjourned at 9:39 a.m.

Clinette C. Hayes, Deputy City Clerk

Approved by the Board on

Carbondale Police Pension Fund
Board Meeting Minutes
April 18, 2023

1.) Call to Order/Roll Call

Vice President Anthony Williams called the meeting to order at approximately 2:35 p.m. Also present in Room 103 of Carbondale City Hall were trustees Jeff Davis and Brandon Weisenberger, and Attorney Dennis Orsey. Kevin Geissler and Paul Echols attended via phone.

2.) Public Comments

N/A

3.) Minutes

Davis moved, and the board voted by acclamation, to approve the minutes from the February 21, 2023 meeting.

4.) Correspondence

A.) Attorney Orsey advised that the gubernatorial disaster proclamation continues, with an expected conclusion on May 11, 2023.

B.) Discussed under Item 7B.

C.) The board discussed the Auditor's Communication and Annual Comprehensive Financial Report provided by IPOPIF.

D.) The board accepted Kevin Geissler's resignation, effective May 1, 2023, due to his relocation and new full-time employment. Attorney Orsey advised the board should, during the next meeting, discuss holding a special election among the pensioners to fill Geissler's vacancy.

5.) Bills

Weisenberger moved, and the board voted by unanimous roll call, to approve a \$3,000 payment to Levi, Ray & Shoup Inc. for PensionPlus software maintenance from 4/15/2023 to 4/14/2024, under invoice #287313.

6.) Treasurer's Report

Davis presented the treasurer's report. At the close of March 2023, the market value was \$53,960,667, up from \$53,952,356 the month prior. Payroll was approximately \$266,000. Davis moved, and the board voted by acclamation, to approve the treasurer's report. (See attached IPOPIF statement and treasurer's report.)

Echols moved, and the board voted by unanimous roll call, to transfer \$2,000,000 from the Morgan Stanley cash account to IPOPIF.

7.) Investment Report

A.) The board reviewed the latest account statements from IPOPIF.

B.) Echols moved, and the board voted by unanimous roll call, to name Davis, Williams, Weisenberger, and Kaprice Whittington (from City of Carbondale Finance) as authorized agents, in response to a request from IPOPIF dated March 2, 2023.

8.) Old Business

A.) Attorney Orsey explained the ongoing appeal of the pension consolidation ruling.

B.) Davis advised that all annual retiree affidavits have been returned.

C.) All board members reported receiving a Statement of Economic Interest. Members were aware of the May 1, 2023 filing deadline.

D.) Davis advised that Ullico Casualty Group opened a case reference the overpayment of benefits to Donnie Robbins prior to his death. There was nothing further to report beyond the case initiation.

E.) Williams moved, and the board voted by unanimous roll call, to maintain the fiduciary liability insurance policy through Markel.

F.) Weisenberger moved, and the board voted by unanimous roll call, to accept Samuel Tyner's portability transfer. Tyner elected to receive partial creditable service of 5.874 years and to not pay the true cost balance to reach the full service time of 6.208 years.

G.) The board discussed moving meetings to a quarterly schedule. Echols moved, and the board voted by acclamation, to cancel the May and June 2023 meetings, and to hold the next meeting on July 18, 2023.

H.) The medical appointment has occurred for Trey Harris's annual disability review. The board is awaiting the doctor's report.

9.) New Business

A.) Members discussed training hours they need to obtain prior to May 1, 2023.

B.) Members discussed the "Secure 2.0 Highlights for Retirement Plan Sponsors" guidance issued by Ice Miller Legal Counsel.

10.) Application for Membership

N/A

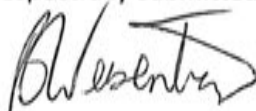
11.) Application for Benefits

Weisenberger moved, and the board voted by unanimous roll call, to approve Jesse Ital's warrant for benefits. The warrant lists an effective date of October 21, 2029. There will be a prorated benefit of \$1,095.10 and an initial monthly benefit of \$3,086.20.

12.) Adjournment

Echols moved, and the board voted by acclamation, to adjourn the meeting at 3:32 p.m. The next meeting is scheduled for 2:00 p.m. on July 18, 2023 in Room 103 of Carbondale City Hall.

Respectfully submitted,



Brandon Weisenberger
Board Secretary



CARBONDALE

All Ways Open

CITY OF CARBONDALE FIREFIGHTER'S PENSION FUND BOARD OF TRUSTEES

MEETING MINUTES 9:00 A.M., APRIL 18, 2023 FIRE STATION 2 – 401 N. GLENVIEW DRIVE

Mike Hertz called the meeting to order at 9:00 a.m. with the following members of the Board present/absent:

PRESENT: Mike Hertz, President; Jay Crippen, Secretary; Harry Threlkeld, Firefighter Retiree Representative; Jeff Davis, Trustee; Jennifer Sorrell, Trustee. ABSENT: None. GUESTS: None
Also present was Fire Department Administrative Secretary/Recorder Kathy Haldeman

MINUTES OF PREVIOUS MEETING

Motion made by Jennifer Sorrell to approve minutes of the January 17, 2023 meeting. Motion seconded by Harry Threlkeld. VOICE VOTE: AYES: Mike Hertz, Jay Crippen, Harry Threlkeld, Jeff Davis, and Jennifer Sorrell. NAYS: None. Motion declared carried.

TREASURER'S REPORT

Jeff Davis presented the Treasurer's Report for the period ending March 2023 and the IFPIF Statement of Results for the period ending February 2023. Investments showed a decrease of \$598,202 since November's statement. Motion made by Harry Threlkeld to accept the Treasurer's Report and approve expenses totaling \$539,354.84, of which \$527,788.23 was payroll. Motion seconded by Jeff Davis. VOICE VOTE: AYES: Mike Hertz, Jay Crippen, Harry Threlkeld, Jeff Davis, and Jennifer Sorrell. NAYS: None. Motion declared carried.

UNFINISHED BUSINESS

All annual affidavits have been received.

Jay Crippen stated that the recent calculations used for the Notification of Intent to Receive Benefits from former Firefighter Ben Schultz were incorrectly figured at 1/12 of a percent instead of 1 percent. Mr. Schultz has been notified and plans to make payment in July. Former Firefighter Zach Miller was also contacted and he plans to make payment in October.

NEW BUSINESS

Elections were held for one retiree representative member for one 3-year term to expire April, 2026, currently held by Harry Threlkeld. Nomination letters were mailed to all retirees on February 6, 2023. One nomination was received on March 8, 2023 for Ted Lomax. Election ballots were mailed to all retirees on March 14, 2023 with a due date of April 17, 2023. Ballots were counted on April 17, 2023 by Mike Hertz and Kathy Haldeman. Results were twenty-four votes for Ted Lomax, zero write-ins. Motion made by Jennifer Sorrell to canvas the election for one retiree representative member for a 3-year term to expire April 2026 and to destroy the ballots. Motion seconded by Harry Threlkeld. VOICE VOTE: AYES: Mike Hertz, Jay Crippen, Harry Threlkeld, Jeff Davis, and Jennifer Sorrell. NAYS: None. Motion declared carried.

Motion made by Harry Threlkeld to nominate Mike Hertz as President and Jay Crippen as Secretary. Motion seconded by Jennifer Sorrell. VOICE VOTE: AYES: Mike Hertz, Jay Crippen, Harry Threlkeld, Jeff Davis, and Jennifer Sorrell. NAYS: None. Motion declared carried.

Jay Crippen presented an Application for Membership for Probationary Firefighter Colton Taylor. Motion made by Jay Crippen to accept the Application for Membership from Colton Taylor as presented. Motion seconded by Harry Threlkeld. VOICE VOTE: AYES: Mike Hertz, Jay Crippen, Harry Threlkeld, Jeff Davis, and Jennifer Sorrell. NAYS: None. Motion declared carried.

Jennifer Sorrell completed her required annual training.

Kathy Haldeman completed the required annual OMA and FOIA training.

There is no new pension legislation to review.

There are no closed meeting minutes to review.

There are no public comments.

ANNOUNCEMENTS AND ADJOURNMENT

Motion made by Jay Crippen to adjourn at 9:20 a.m. Motion seconded by Jennifer Sorrell. VOICE VOTE: AYES: Mike Hertz, Jay Crippen, Harry Threlkeld, Jeff Davis, and Jennifer Sorrell. NAYS: None. Motion declared carried.

The next meeting is scheduled for July 18, 2023 at 9:00 a.m.



Jay Crippen, Secretary

2024 CALENDAR OF CARBONDALE CITY COUNCIL MEETINGS

All regular meetings will be held in the Carbondale Civic Center, 200 South Illinois Avenue, Carbondale, Illinois, beginning at 6:00 p.m. on the second and fourth Tuesday of each month, except for the month of December. Changes to this Calendar will be made in accordance with the Carbondale Revised Code and the Illinois Open Meetings Act. A meeting of the Local Liquor Control Commission may precede or follow the City Council meeting.

January 9

July 9

January 23

July 23

February 13

August 13

February 27

August 27

March 12

September 10

March 26

September 24

April 9

October 8

April 23

October 22

May 14

November 12

May 28

November 26

June 11

December 10

June 25

Jackson County, Illinois
Multi-Hazard Mitigation Plan
A 5-year Update to the Countywide MHMP
originally adopted in 2009



FEMA

IEMA



Jackson County, Illinois
Multi-Hazard Mitigation Plan
Adoption Date - -

Written and prepared by Greater Egypt Regional Planning and Development Commission

Kelsey Bowe, Environmental Planner
Tyler Carpenter, GIS & Environmental Planning Director
Gabrielle Reed, Environmental Planner
Noah Scalero, Environmental Planner

Primary Contact

Sheriff Robert Burns
Coordinator
Jackson County Emergency
Management Agency
618.684.3137
jacksoncountyema@gmail.com

Secondary Contact

Orval Rowe
Deputy Coordinator
Jackson County Emergency
Management Agency
618.684.3137
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Acronyms

ASCE	American Society of Civil Engineers	HMGP	Hazard Mitigation Grant Program
ASDSO	Association of Dam Safety Officials	IBC	International Building Code
BRIC	Building Resilient Infrastructure and Communities	IDPH	Illinois Department of Public Health
CARES	Coronavirus Aid, Relief, and Economic Security Act	IEMA	Illinois Emergency Management Agency
CDC	Centers for Disease Control	IEPA	Illinois Environmental Protection Agency
CDMS	Comprehensive Data Management System	INDR	Illinois Department of Natural Resources
CISA	Cybersecurity & Infrastructure Security Agency	IPCC	Intergovernmental Panel on Climate Change
CNEOS	Center for NEO Studies	ISGS	Illinois State Geological Survey
COVID-19	Coronavirus Disease-19	ITTf	Illinois Terrorism Task Force
CRS	Community Rating System	MCS	Mesoscale Convection System
CUSEC	The Central U.S. Earthquake Consortium	MHMP	Multi-Hazard Mitigation Plan
DI	Damage Indicators	NASA	National Aeronautics and Space Administration
DMA	Disaster Mitigation Act of 2000	NEO	Near Earth Object
DOD	Degrees of Damage	NFIP	National Flood Insurance Program
DRA	Delta Regional Authority	NMSZ	New Madrid Seismic Zone
EAP	Emergency Action Plan	NOAA	National Oceanic and Atmospheric Administration
EF	Enhanced Fujita (Tornado Scale)	NORS	National Outbreak Reporting System
EPCRA	Federal Emergency Planning and Community Right to Know Act of 1986	NPDP	National Performance of Dams Program
FAST	Fixing America's Surface Transportation Act of 2015	NRCS	National Resources Conservation Service
FEMA	Federal Emergency Management Agency	NWS	National Weather Service
FERC	Federal Energy Regulatory Commission	PDM	Pre-Disaster Mitigation Grant Program
		SFHA	Special Flood Hazard Areas
FMAG	Fire Management Assistance Grant Program	US EPA	United States Environmental Protection Agency
GERPDC	Greater Egypt Regional Planning and Development Commission	USACE	United States Army Corps of Engineers
GIS	Geographic Information System	USDA	United States Department of Agriculture
HAB	Harmful Algal Bloom	USFWS	United States Fish and Wildlife Service
Hazus-MH	Hazus Multi Hazard (modeling software)	USGS	United States Geological Survey
HHPD	Rehabilitation of High Hazard Potential Dam Grant Program	WVSZ	Wabash Valley Seismic Zone

1. Introduction

The purpose of mitigation planning is for State, local, and Indian tribal governments to identify the natural hazards that impact them, to identify actions and activities to reduce any losses from those hazards, and to establish a coordinated process to implement the plan, taking advantage of a wide range of resources. (Stafford Act Title 44, Chapter 1, Part 201).

Hazard mitigation planning is required by the Disaster Mitigation Act of 2000 (DMA), which replaced the Stafford Act. Local, tribal, territorial, and state governments must adopt hazard mitigation plans and update them every five years to be eligible for the following Federal Emergency Management Agency (FEMA) grant and insurance programs:

- Hazard Mitigation Grant Program (HMGP)
- Building Resilient Infrastructure and Communities (BRIC)
- Fire Management Assistance Grant Program (FMAG)
- Public Assistance Grant Program (PA)
- Pre-Disaster Mitigation Grant Program (PDM)
- Rehabilitation of High Hazard Potential Dam Grant Program (HHPD)
- National Flood Insurance Program (NFIP)

While this planning process is required for natural hazards, planning partners were encouraged to include any hazards in this plan that pose potential threats to their communities. In addition to FEMA funding, having Multi Hazard Mitigation Plans (MHMP) in place can streamline the process of applying for other federal, state, and local disaster mitigation and relief funding opportunities.

In order to help communities plan for natural hazards, FEMA developed Hazus Multi Hazard (MH), a geographic information system (GIS) based software that models earthquakes, floods, and other natural hazards. This software can estimate physical and economic losses and social impacts, help communities identify high risk areas, and provide the necessary information to create mitigation strategies for these natural hazards. Hazus-MH uses data from the US Census Bureau and allows for manual editing and additions of data. This ensures accuracy and relevancy to the county.

This Multi-Hazard Mitigation Plan (MHMP), adopted by Jackson County and all jurisdictions within, fulfills the requirement of the DMA, which amended section 322 of the Stafford Act, 42 U.S.C. 5165. The First MHMP for Jackson County was adopted in 2009. This will be the second update to the original plan.

2. Planning Process

Hazard Mitigation is any sustained action taken to reduce or eliminate long-term risk to human life and property from a natural hazardous event. Hazard Mitigation Planning involves communities in a four-step process to identify risks and vulnerabilities to natural hazards and develop long-lasting strategies that lead to the development of a comprehensive approach to risk reduction and an effective mitigation plan¹.

- Organize resources
- Assess risks
- Develop a mitigation plan
- Implement the plan and monitor progress

Planning Timeline

The planning process was completed by Greater Egypt Regional Planning and Development Commission (Greater Egypt) and the Franklin County Planning Team. The planning team consists of at least 1 member representing each jurisdiction within the county. The planning timeline involved partner and public meetings, the writing and review of the plan, finalization of plan and adoption by the county and all jurisdictions, and state and federal review and approval.

Figure 2.1: MHMP planning timeline for 2021-2022

Mitigation Planning Timeline	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
	1	2	3	4	5	6	7	8	9	10	11	12	13
Meetings: Goals and Objectives													
Meetings: Public involvement													
Meetings: Mitigation Activities													
Write Plan													
Review Plan													
Finalize Plan													
Print Plan													
State/ Federal Review													

¹ Illinois Emergency Management Agency, "Mitigation Planning".

Meeting 1: Goals and Objectives

- *Greater Egypt presented the planning process and review the responsibilities of planning partners*
 - *Greater Egypt presented historical, current, and possible hazards that are a threat to the county. Maps of risk areas within the county and southern Illinois were included in presentation.*
 - *Greater Egypt reviewed the Hazus-MH hazard modeling process and reviewed essential and critical facilities data.*
 - *Planning partners were given the option to review and edit these datasets to provide the most accurate flood and earthquake models.*
 - *Planning partners participated in a hazard ranking exercise to determine which hazards have the highest severity and probability of occurring.*
 - *The top ranked hazards from this exercise were modeled using Hazus-MH and other GIS based software to estimate physical damage, economic loss, and social impacts if the hazard occurred.*
-

Meeting 2: Public Involvement

- *Meeting 2 consisted of a review of hazard rankings, preliminary hazard models, and an introduction to the mitigation strategies exercise.*
 - *The public was notified of this meeting through a series of newspaper press releases (see Appendix 6 for full list of press releases).*
 - *The public was encouraged to provide their input in the planning process, including providing suggestions of any additional hazards to include in the plan and any mitigation strategies*
 - *No public comments were received for this plan*
-

Meeting 3: Mitigation Strategies

- *Greater Egypt reviewed the finalized hazard ranking list and summarized the mitigation strategies that were provided by planning partners.*
 - *Planning partners provided final comments and ideas for mitigation strategies.*
 - *This will be the final opportunity to provide mitigation strategies and update the Hazus essential facilities list*
-

Meeting 4 (optional): Plan Review

- *If requested by the planning team, Greater Egypt hosted a 4th meeting to review the final MHMP before each jurisdiction adopts the plan.*
 - *This will be the final opportunity for planning partners to request any edits and additions to the MHMP.*
-

2.1. Responsibilities of Planning Partners

The planning partners are vital to completion of the MHMP, knowledge and expertise of local leaders is necessary to identify hazards and develop mitigation strategies. FEMA also requires the participation of partners for the plan to be approved and adopted.

There are 31 participating jurisdictions and stakeholders in Jackson County. At least 1 member representing each jurisdiction is required to participate in the planning process. Planning partners were actively involved in the following activities (* indicates required participation):

Attend at least two meetings during the planning process
Complete a hazard ranking exercise for your jurisdiction
Propose mitigation strategies for each hazard*
Assist with meeting match requirements
Review and provide comments on drafts of the full plan
Assist in coordinating public involvement
Review and update the county datasets
Integrate the MHMP into other planning and development initiatives as appropriate
Submit photographs, GIS files, and any other data relating to natural hazards, the county, or jurisdictions to improve the detail of the MHMP
Formally adopt the Jackson County MHMP as an official Plan* (Required for County and participating municipalities, optional for other organizations)

The full list of Planning Team members can be found in Appendix 1.

2.2. Neighboring Communities

Greater Egypt organized Planning Teams and wrote Multi-Hazard Mitigation Plans for the 5 Counties of its planning district: Franklin, Jackson, Jefferson, Perry, and Williamson. The EMA coordinators of these counties were in contact with each other and Greater Egypt throughout the planning process. EMA Coordinators, other County staff, and other jurisdictions attended meetings and assisted in planning for multiple counties. Meeting attendance can be found in appendix 4; other planning activities are recorded in county match documents and can be available upon request.

2.3. Review of Technical Documents

The planning process included review of local, state, federal, and academic resources. The 2015 Jackson County Multi-Hazard Mitigation Plan was reviewed and incorporated into this updated version. Hazard background information is cited in footnotes throughout this Plan. GIS data sources are provided on every map. Data tables have sources listed below each table. Detailed GIS data can also be requested from Greater Egypt at any time from <https://greateregypt.org/gis-services/>

3. Jackson County Profile

3.1. County Background

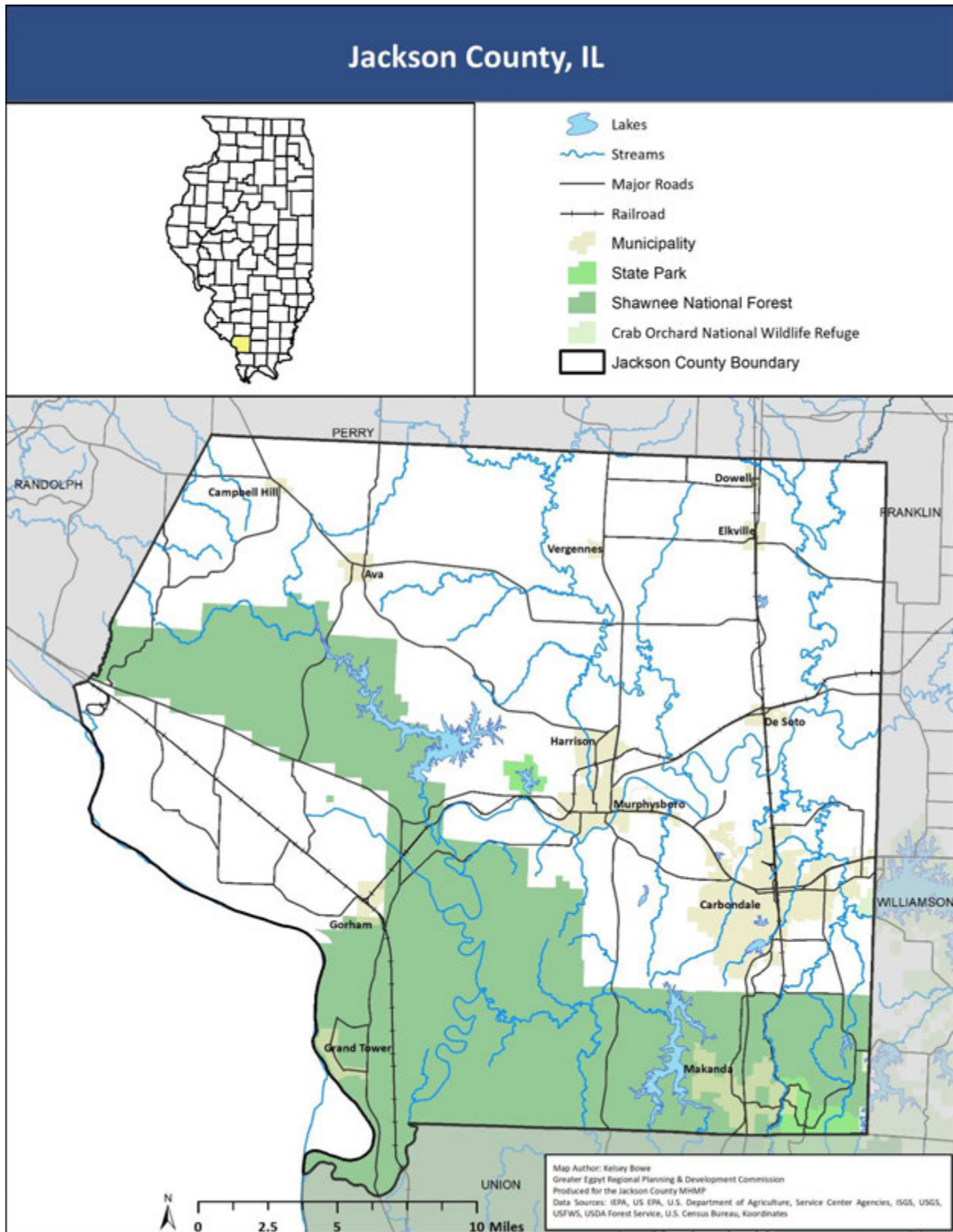
Jackson County is located in southern Illinois and is one of the more populous counties in the region. Its western edge borders the Mississippi River and the state of Missouri. It is bounded to the north by Randolph and Perry counties. Franklin and Williamson counties border Jackson to the east, while Union County borders to the south. It lies approximately 75 miles southeast of St. Louis, MO and 170 miles south of Springfield, IL.

The county was named after former president Andrew Jackson. Jackson County's boundaries were claimed in 1816 from parts of both Randolph and Johnson Counties. However, in 1827, its boundaries were reduced when Perry County subsumed some of Jackson County's northern territory. Jackson County's political boundaries remain the same to this day. The county seat was located in Brownsville until it burned down in 1843. It was then moved to Murphysboro, where it resides to this day.

Jackson County's primary economic drivers are educational institutions, health care, social services, and retail trade. Southern Illinois University and SIH are major institutions in Jackson County. The region also boasts many tourist amenities including two state parks, the Shawnee National Forest, wineries, orchards, entertainment venues, restaurants, and hotels.

Jackson County, IL is part of the Delta Regional Authority (DRA) and is listed as a distressed county. The DRA is a federal-state partnership that encompasses 252 counties and parishes in the Mississippi River Delta and Alabama Black Belt regions. This organization is led by two president appointed chairpersons and the governors of the 8 participating states (Alabama, Arkansas, Illinois, Kentucky, Louisiana, Mississippi, Missouri, Tennessee). The goal of the DRA is to improve the economic opportunities for the counties involved, which are considered the most distressed in the U.S.; Federal funds are allocated to the DRA every year, where they are invested into local communities based on applications. The DRA's total funding allocation budget in 2021 was \$14,847,923.00.

Figure 3.1



3.2. Demographics

Based on the 2020 Decennial Census, Jackson County has 52,974 residents. This is a 12% decrease in population from 2010 figures. Jackson County is divided into sixteen townships: Bradley, Carbondale, Degonia, De Soto, Elk, Fountain Bluff, Grand Tower, Kinkaid, Levan, Makanda, Murphysboro, Ora, Pomona, Sand Ridge, Somerset, and Vergennes. The population by township within Jackson County can be seen in Table 3.1. According to the U.S. Census Bureau, 72.1% of residents in Jackson County are white, 5.4% are Hispanic or Latino, and 14.3% are Black or African American. A full breakdown of race and Hispanic origins for Jackson County is displayed in Table 3.2.

Table 3.1 - Jackson County 2020 Population Estimates by Township

Township	2020 Population
Carbondale	24,686
Murphysboro	9,434
Makanda	4,034
Somerset	3,934
De Soto	2,319
Bradley	1,908
Elk	1,746
Levan	816
Pomona	794
Sand Ridge	722
Vergennes	717
Grand Tower	567
Ora	492
Kinkaid	447
Fountain Bluff	204
Degonia	154

Source: U.S. Census Bureau

Table 3.2 - Race and Hispanic Origin of Population in Jackson County

Race and Hispanic Origins	Percentage of Population
American Indian and Alaska Native alone	0.40%
Asian alone	3.90%
Black or African American alone	14.30%
Two or more races	6.60%
Hispanic or Latino	5.40%
White alone, not Hispanic or Latino	70.80%
White alone	72.10%
Native Hawaiian and Pacific Islander	0.05%
Some other race	2.70%

Source: U.S. Census Bureau

3.3. Economy and Industry

Major economic activity in Jackson County is located around Carbondale and Murphysboro, which are linked by Route 13 - a major thoroughfare in the region. Primary industries in the region are educational services and healthcare. Southern Illinois University, Carbondale School Districts, and Murphysboro Unit School Districts are the largest educational employers. Memorial Hospital of Carbondale, Neuro Restorative, and St. Joseph Memorial Hospital are the largest healthcare employers in the county. Other industries include retail trade, service industry, and manufacturing. Walmart, Lowes, Kroger, and Schnucks are some of the larger retail employers, while Penn Aluminum International and Com-Pac International are some of the larger manufacturing employers.

According to the U.S. Census Bureau, Jackson County has a median household income of \$37,241 and a per capita income of \$24,804. Roughly 25.4% of the population is below the poverty line – the national poverty rate is 10.5%.

Table 3.3 - Number of People Employed by Major Industries in Jackson County

Industry	Estimated Number of Employees
Educational Services	5,490
Health Care & Social Assistance	4,022
Retail Trade	3,233
Accommodation & Food Services	2,137
Manufacturing	1,746
Agriculture, Forestry, Fishing & Hunting	502

Source: Data from the Census Bureau ACS 5-year Estimate

3.4. Land Use and Development Trends

Before European settlement, Jackson County was largely deciduous forest with small areas of prairie as well. Over recent centuries, the land cover has been transformed by agriculture, mining, and urban development. Agriculture and deciduous forest currently dominate the land cover of Jackson County. Shawnee National Forest, Giant City State Park, and Lake Murphysboro State Park comprise large portions of the county's public land. Southern Illinois University - Carbondale, Touch of Nature, Carbondale and Murphysboro Park Districts, Crab Orchard National Wildlife Refuge, and Southern Illinois Airport are other major public land use spaces in the county.

The coal mining industry was a driving economic force in Jackson County during the 20th century. Ramifications of historic mining, such as mine spoil piles and acid mine drainage, are still present today. There are small portions of Jackson County that have been left unsuitable for development or agriculture as a result of un-reclaimed mining sites.

Significant portions of the agricultural land are used for hay or pasture as seen in Figure 3.3. There are pockets of highly productive agricultural land, major crops in the region are corn, soy, winter wheat, and hay. On the western border of the county, which resides in the fertile Mississippi River floodplain, corn and soybeans are grown. While this area has prime soil for growing crops, it is also subject to heavy losses during years of high flooding. South of Carbondale, vineyards and orchards abound in the microclimates of the Shawnee hills.

Urban development in the county has been focused along the Route 13 corridor which runs east to west from Carbondale to Murphysboro before turning to the north. Southern Illinois University Carbondale has been a major economic driver in the region for many decades - though enrollment has declined in recent years. Economic growth in the region tends around

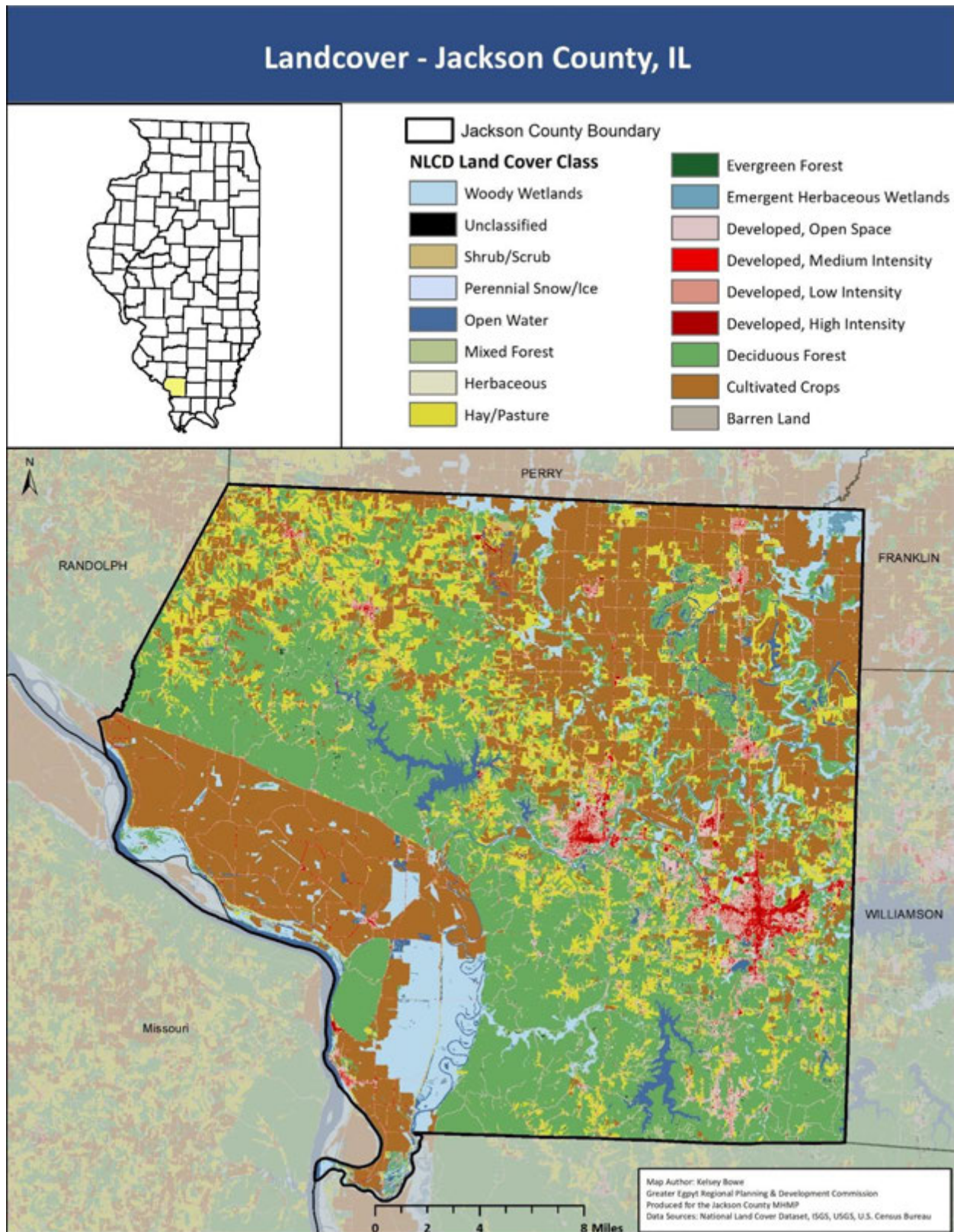
Southern Illinois University, Carbondale Memorial Hospital, the retail centers along Route 13, and numerous housing developments. Both the City of Carbondale Comprehensive Plan, adopted in 2011, and the Downtown Master Plan, adopted in 2016, depict plans for growth and urban improvements in the Carbondale area. Table 3.4 reflects recent changes in development for Jackson County.

Table 3.4 – Summary of Commercial/Industrial Permits Issued for the Jackson County Enterprise Zone

Year	Total Permits Issued	New Construction
2016	24	8
2017	3	2
2018	14	4
2019	19	9
2020	16	3
2021	17	not listed
2022	15	not listed

Source: City of Carbondale Economic Development Director

Figure 3.2



3.5. Climate

Jackson County encompasses two Köppen-Geiger climate zones: Dfa (hot-summer humid continental) and Cfa (humid subtropical). Summers are humid and warm, while winters are cool and wet. The warmest months are June – September with average highs reaching 89°F and lows in the mid to high 60's. Average highs in the winter are well above freezing: the average high in January is 40°F and the low is 24°F. However, this region is subject to wildly variable weather, often leading to weeks of stifling heat in the summer and very cold conditions in the winter. Average annual precipitation is 43.18 inches. Though daytime highs in the winter are often above freezing, cold spells with significant snowfall and ice buildup are not uncommon in the winter. Jackson County's climate may become more variable in the future as suggested by recent Intergovernmental Panel on Climate Change (IPCC) reports and other climate studies. More detailed information regarding climate change can be found in section 4.1

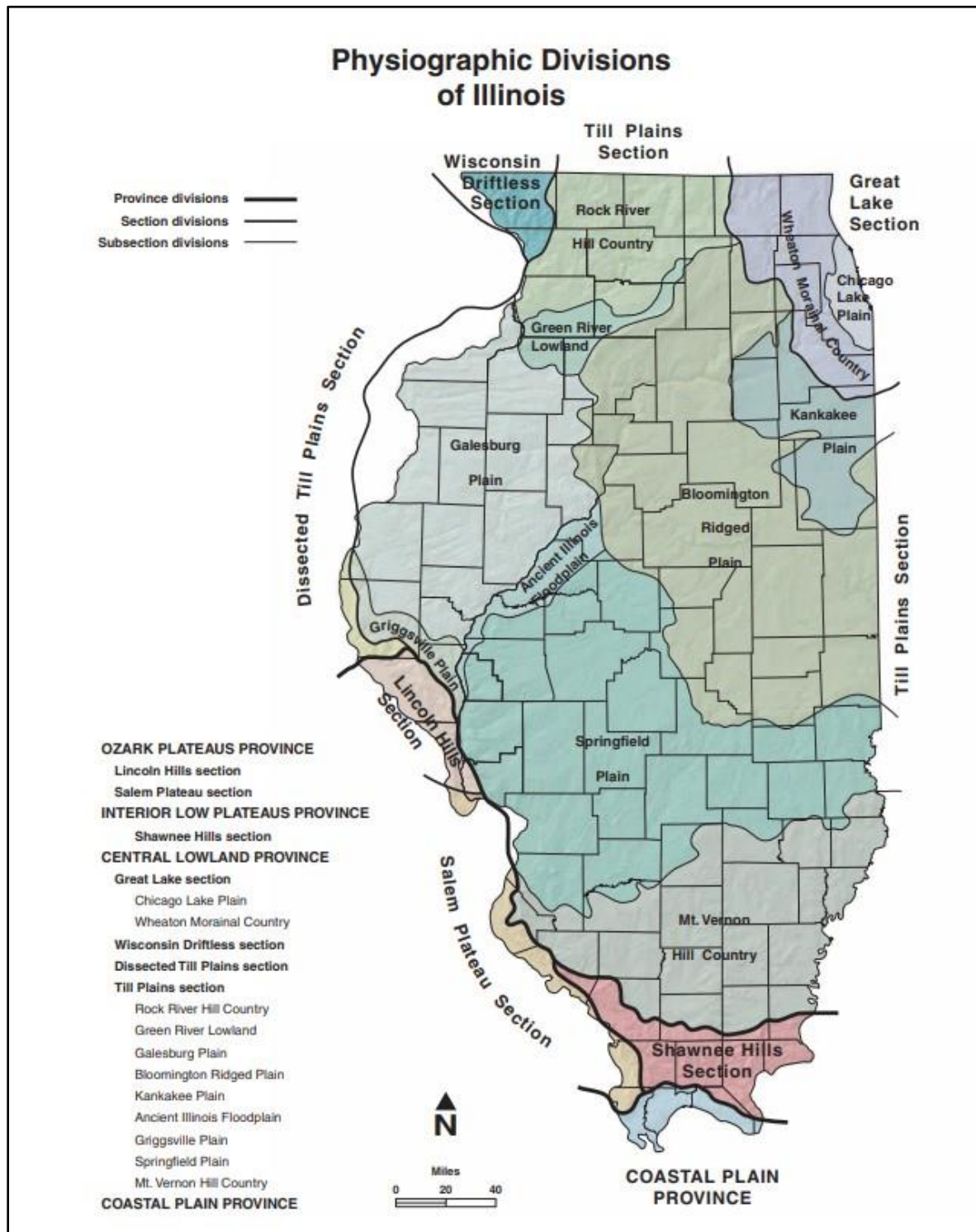
3.6. Topography & Hydrology

Illinois is divided into four physiographic provinces with seven sections and 11 subsections (figure 3.3), Jackson County is located within three physiographic divisions: The Mt Vernon Hill Country portion of the Till Plains, Shawnee Hill Section, and the Salem Plateau Section of Illinois. The Till Plains topography resulted from the deposition of unsorted glacial sediments during the final stages of the Wisconsin glaciation. However, this region is predominantly controlled by bedrock and not deep sediment deposits. The Shawnee hills physiographic division was untouched by glaciers, because of this the topography in the southwest portion of Jackson County is characterized by larger, rolling hills and steeper stream valleys which often contain bluffs of exposed sandstone and limestone bedrock. The Salem Plateau division covers small portions of the western part of Jackson County near the Mississippi River. This region is characterized by large, flat plains.

Jackson county contains both coal bearing and karst bedrocks, see section 4.13 for detailed information.

The highest elevation in Jackson County is 811ft (247m) above sea level at Grassy Knob, the lowest point in the county is 340ft (103m) above seas level near the confluence of the Big Muddy and Mississippi rivers.

Figure 3.3 - Physiographic Divisions of Illinois



Source: Illinois State Geological Survey (ISGS)

Jackson County is drained by the Big Muddy watershed (HUC ID: 07140106) and the Upper Mississippi – Cape Girardeau watershed (HUC ID: 07140105) (figure 3.4). The county is bordered to the west by the Mississippi River. The major lakes in the county are Campbell Lake, Holliday Lake, Lake Kinkaid, New Thompson Lake, Lake Chautauqua, Lake Murphysboro, Campus Lake, Carbondale City Lake, Cedar Lake, Grand Tower Chute, Midland Hills Lake, and Spring Arbor Lake.

The Big Muddy watershed covers large portions of Franklin, Jackson, Jefferson, Perry, Washington, and Williamson Counties. It also drains small portions of Hamilton, Johnson, and Union Counties. The main tributaries to the Big Muddy River in Jackson County are Beaucoup creek, Little Muddy River, Cedar creek and Crab Orchard creek. The Big Muddy River converges with the Mississippi River south of Grand Tower, IL. The western portion of the county drains directly to the Mississippi River. See figure 3.5 for elevation, watershed boundaries, and major water bodies of Jackson County.

Figure 3.4

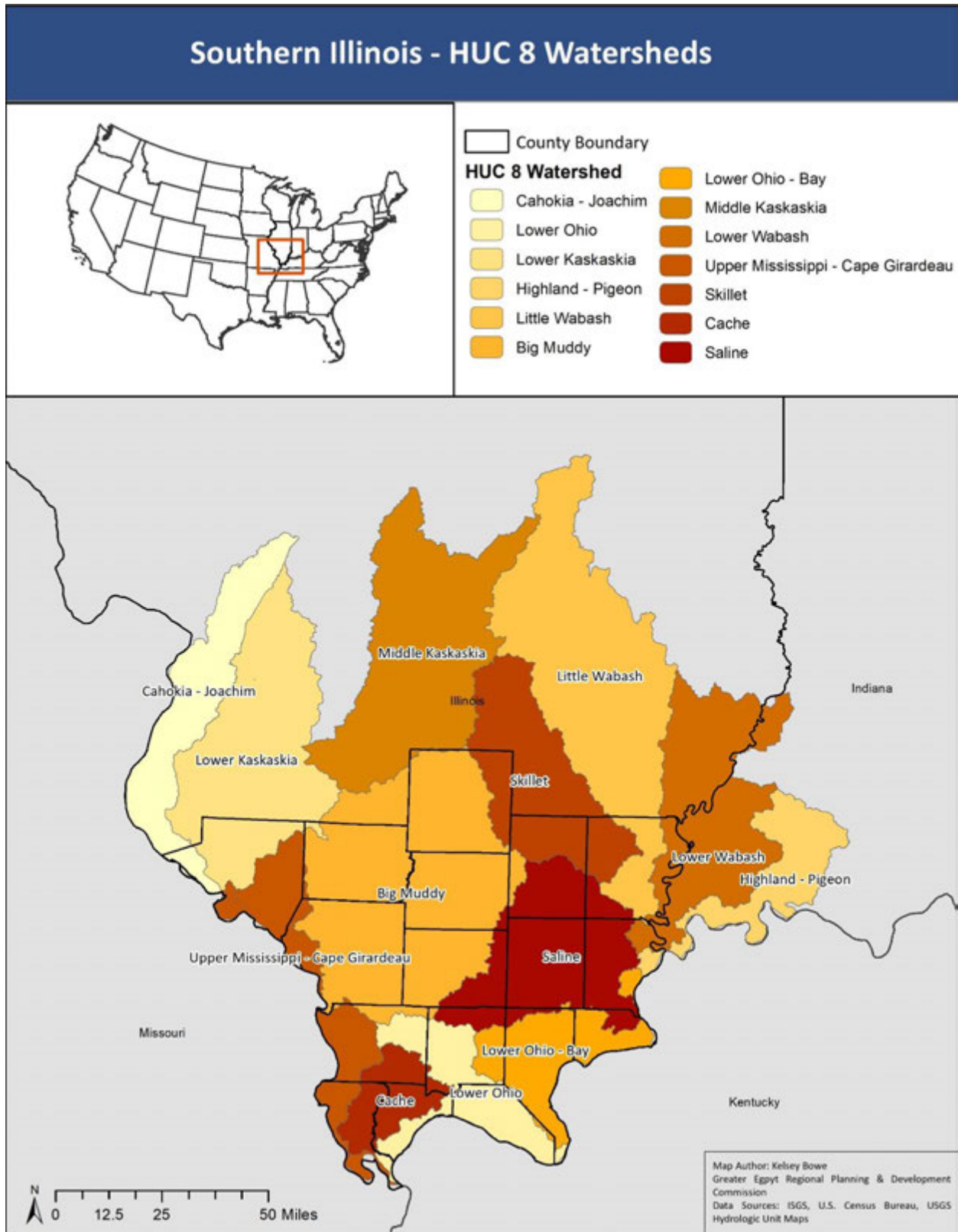
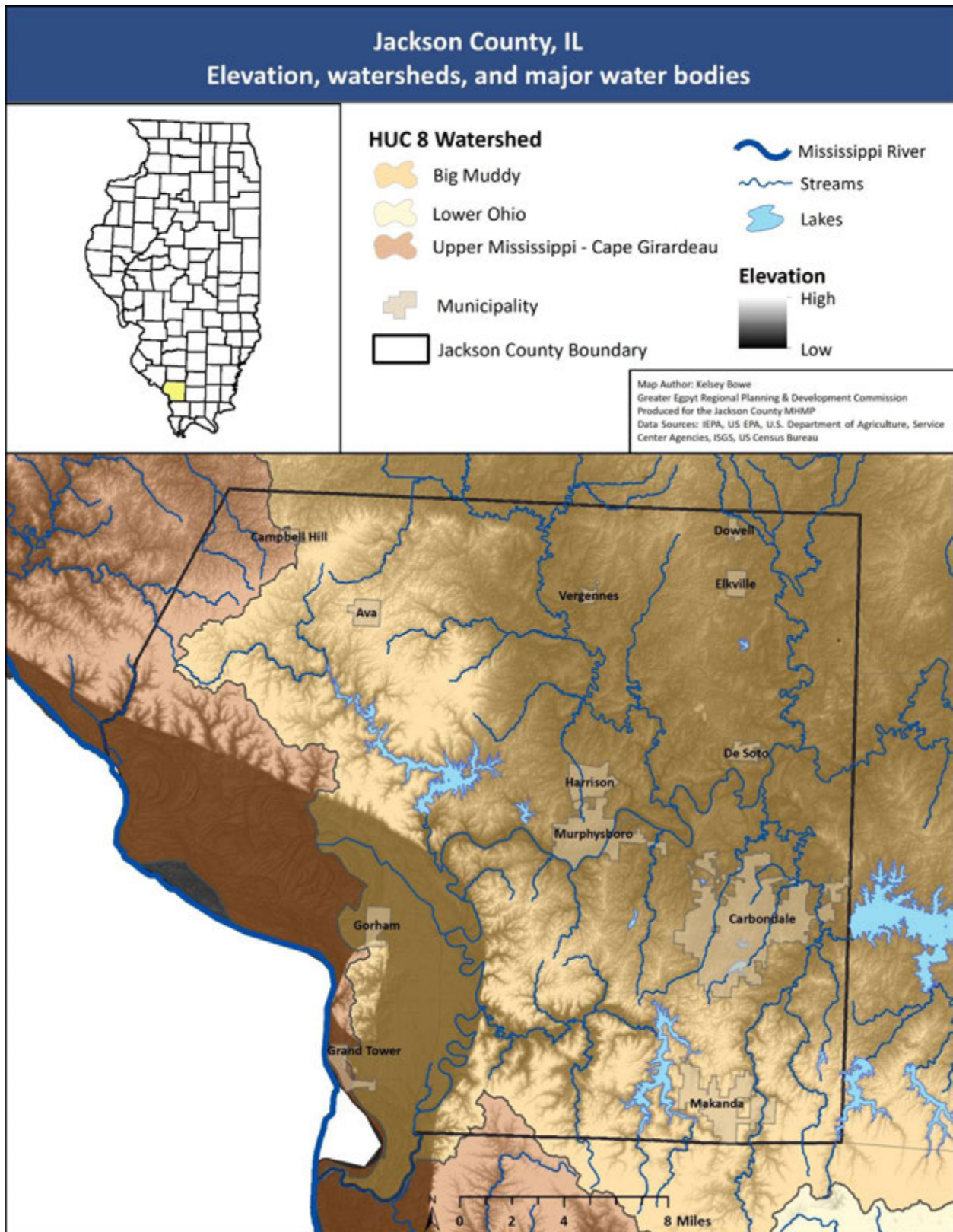


Figure 3.5



4. Hazard Descriptions and Risk Assessments

4.1. Introduction

The following section will contain hazard definitions, examples of potential extent and impacts that may occur, details on historic occurrences within Jackson County, and relevant maps and figures. When possible, all historic occurrences encompass hazard events from 1950-2021, but some databases may be missing records.

4.1.1. Relevant FEMA definitions:

Hazard Extent: Strength or magnitude of hazard. Can be measured on scientific scales (Tornado EF Scale, Palmer drought severity index, etc.), measurements of the hazard (flood height, snow depth, etc.), or other factors such as duration and speed of onset.

Hazard Impacts: Consequences/effects of the hazard on a community and its assets. Examples include number of injuries/deaths, dollar amount of property/crop damage, number of days without power, etc.

Essential and Critical Facilities: The FEMA Hazus Software designates important facilities and infrastructure into two categories, which will be used throughout the plan:

- **Essential:**
 - Emergency Operations Centers
 - Police stations
 - Fire stations
 - Schools
 - Hospitals
- **Critical:**
 - Transportation – Airports, highways, railways, and bridges
 - Utilities – wastewater treatment, potable water storage, water/sewer lines, gas pipelines, power plants
 - Communication - TV & Radio Stations
 - Dams*
 - Military Facilities*
 - User Defined**

*While Hazus has designated space for dams and military spaces, they are not currently part of the default datasets provided and were therefore not included in the hazard models.

**The user defined category is space for a community to input their own structures into Hazus, the Jackson County Planning Team included ambulance stations in this category.

A complete list of Jackson County's essential and critical facility data can be found in Appendix 2.

4.1.2. Emerging Hazard – Climate Change

Global average temperature has increased by 1.8°F from 1901 to 2016. Evidence consistently points to human related activities, mainly greenhouse gas emissions, as the cause². Climate change is no longer a future problem as effects are being felt in the present time around the world, and events and trends associated with climate change are only expected to continue to increase in number of events and in severity³.

Our planet is a complex system of natural ecosystems and human infrastructure, and climate change can drive many different outcomes within a small area. In the Midwest, climate change is driving more dramatic shifts in seasonal hydrologic regimes. Areas are experiencing severe storms, floods, and extreme heat waves within generally short time periods. All of these factors can decrease infrastructure stability, agriculture productivity, water and air quality, and general community resiliency to natural hazards. Southern Illinois currently encompasses regions within Köppen-Geiger climate types Dfa (hot-summer humid continental) and Cfa (humid subtropical), but future models suggest most of the state will be classified as Cfa by 2071⁴. Figures 4.1 and 4.2 show the Köppen-Geiger climate classifications of Illinois and surrounding areas for present day (based on data from 1980-2016) and projected climate types for the future (based on 32 different climate models for years 2071-2100).

Illinois joined the U.S. Climate Alliance in January 2019. This is a bipartisan coalition of 24 governors with commitment to implementing policies that advance the goals the Paris Agreement, track and report progress of each state to the global community, and advance new and existing policies to promote clean energy and reduce carbon pollution.⁵

This Multi-Hazard Mitigation Plan will contain a sub section within each chapter, when relevant, to discuss the risks associated with climate change related increases of the specific hazard.

² Hayhoe, K. et al., 2018: Our Changing Climate. In Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II U.S. Global Change Research Program, Washington, DC, USA, pp. 72–144.

³ Gray, E. and Merzdorf J. "Earth's Freshwater Future: Extreme Floods and Drought", NASA Global Climate Change, 2019.

⁴ Beck, H.E., N.E. Zimmermann, T.R. McVicar, N. Vergopolan, A. Berg, E.F. Wood: Present and future Köppen-Geiger climate classification maps at 1-km resolution, Scientific Data 5:180214, doi:10.1038/sdata.2018.214 (2018).

⁵ Igusky, K., "Illinois Governor J. B. Pritzker Joins U.S. Climate Alliance", United States Climate Alliance, 2019.

Table 4.1: Key to the Köppen-Geiger climate classifications

1: Af	Tropical, rainforest
2: Am	Tropical, monsoon
3: Aw	Tropical, savannah
4: BWh	Arid, desert, hot
5: BWk	Arid, desert, cold
6: BSh	Arid, steppe, hot
7: BSk	Arid, steppe, cold
8: Csa	Temperate, dry summer, hot summer
9: Csb	Temperate, dry summer, warm summer
10: Csc	Temperate, dry summer, cold summer
11: Cwa	Temperate, dry winter, hot summer
12: Cwb	Temperate, dry winter, warm summer
13: Cwc	Temperate, dry winter, cold summer
14: Cfa	Temperate, no dry season, hot summer
15: Cfb	Temperate, no dry season, warm summer
16: Cfc	Temperate, no dry season, cold summer
17: Dsa	Cold, dry summer, hot summer
18: Dsb	Cold, dry summer, warm summer
19: Dsc	Cold, dry summer, cold summer
20: Dsd	Cold, dry summer, very cold winter
21: Dwa	Cold, dry winter, hot summer
22: Dwb	Cold, dry winter, warm summer
23: Dwc	Cold, dry winter, cold summer
24: Dwd	Cold, dry winter, very cold winter
25: Dfa	Cold, no dry season, hot summer
26: Dfb	Cold, no dry season, warm summer
27: Dfc	Cold, no dry season, cold summer
28: Dfd	Cold, no dry season, very cold winter
29: ET	Polar, tundra
30: EF	Polar, frost

Figure 4.1

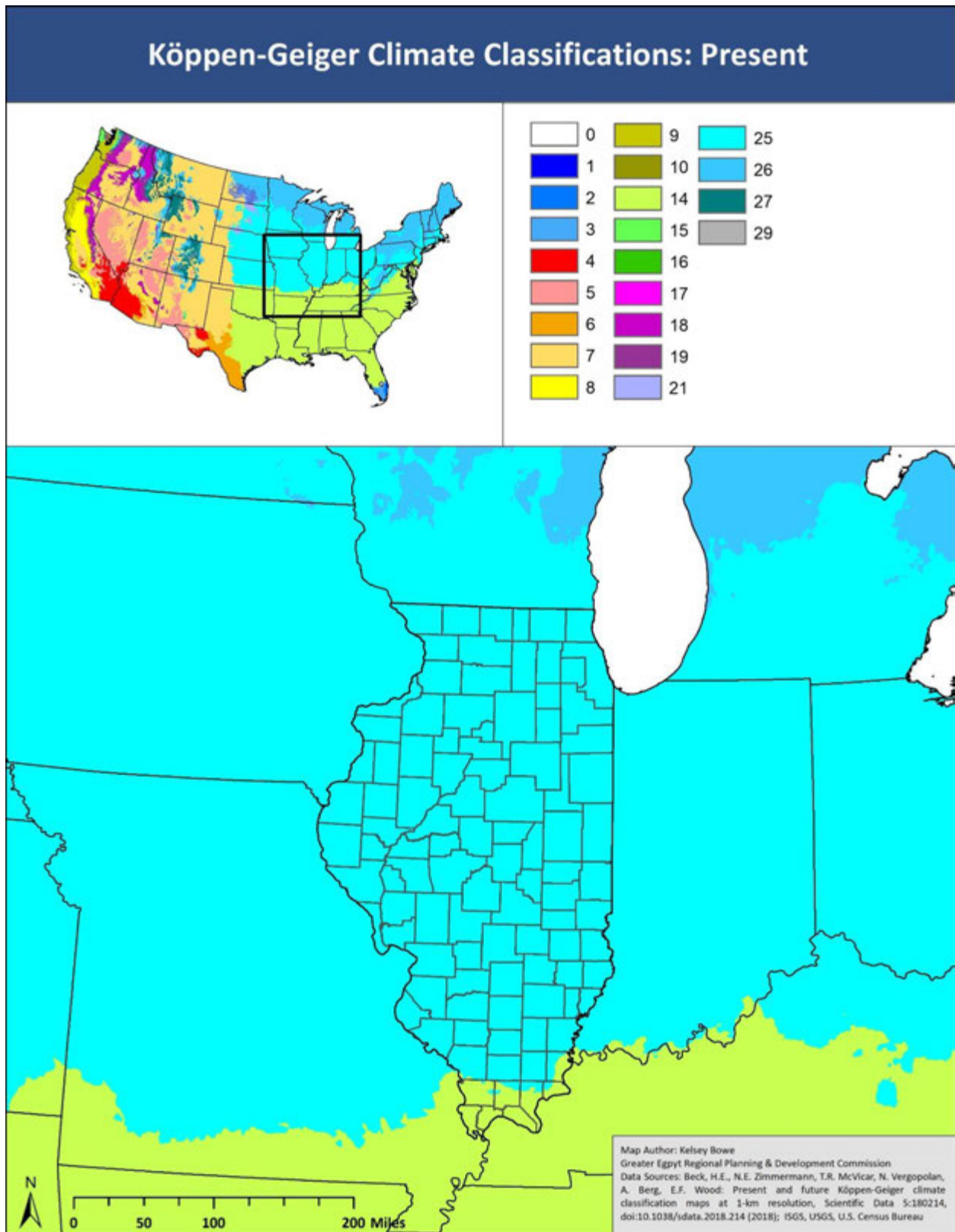
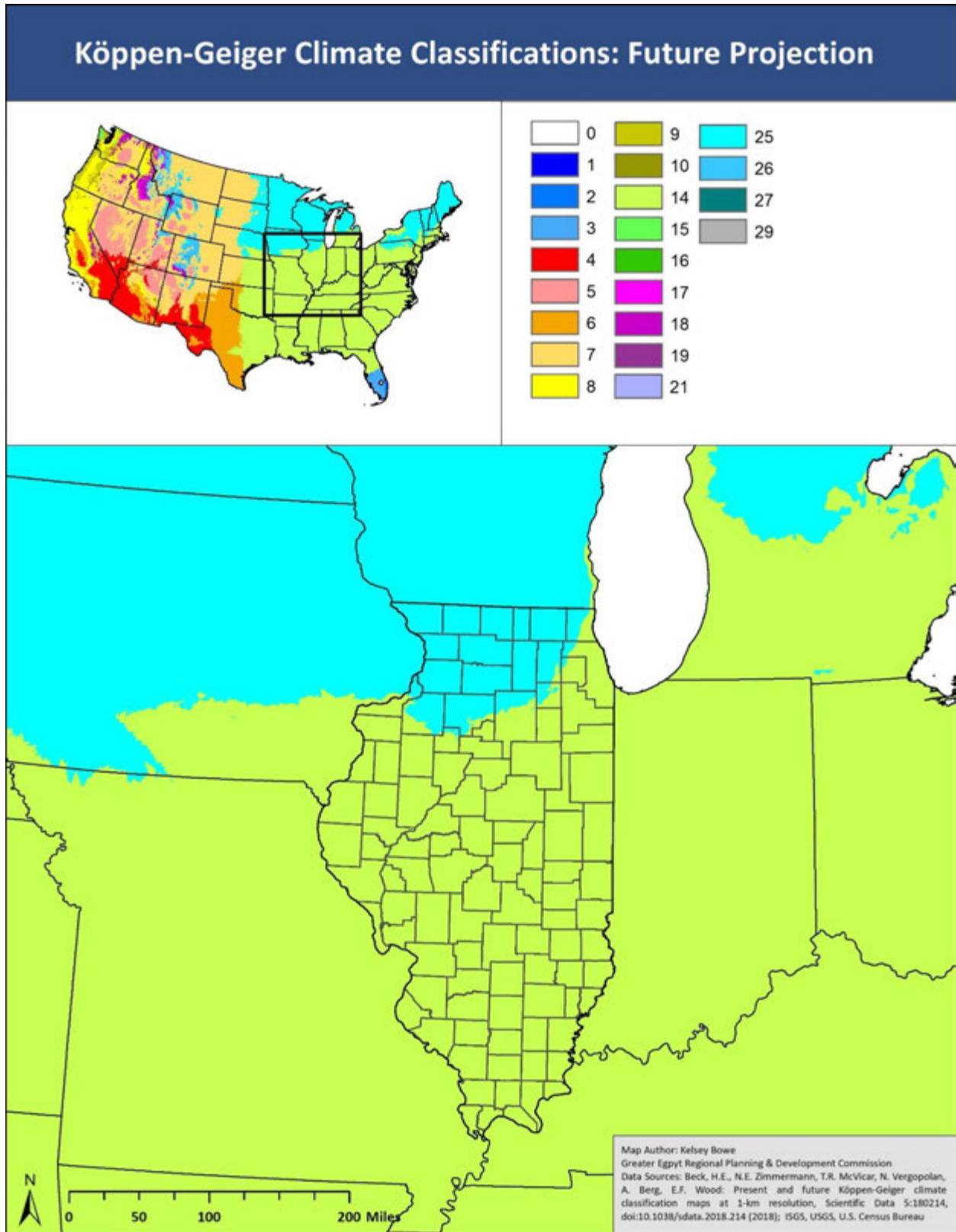


Figure 4.2



4.1.3. Jackson County Hazard Rankings

Hazards were ranked using the risk priority index equation:

$$\text{Risk Index} = \text{probability} * \text{severity}$$

Where probability is how likely a hazard event will occur on a scale of 1-4:

Table 4.2

Probability	Characteristics
4 – Highly Likely	Event is probable within the next calendar year. These events have occurred, on average, once every 1-2 years in the past.
3 – Likely	Event is probable within the next 10 years. Event has a 10-15% chance of occurring in any given year. These events have occurred, on average, once every 3-10 years in the past.
2 – Possible	Event is probable within the next 50 years. Event has a 2-10% chance of occurring in any given year. These events have occurred, on average, once every 10-50 years in the past.
1 – Unlikely	Event is probable within the next 200 years. Event has a 0.5-2% chance of occurring in any given year. These events have occurred, on average, once every 50-200 years in the past.

Severity is the degree to which a hazard will cause injuries/deaths, affect functionality of essential and critical facilities, and cause property damage and/or utility disruptions on a scale of 2-8:

Table 4.3

Severity	Characteristics
8 – Catastrophic	Multiple deaths. Complete shutdown of facilities for 30 or more days. More than 50% of property is severely damaged.
4 – Critical	Injuries and/or illnesses result in permanent disability. Complete shutdown of critical facilities for at least 14 days. More than 25% of property is severely damaged.
2 – Limited	Injuries and/or illnesses do not result in permanent disability. Complete shutdown of critical facilities for more than seven days. More than 10% of property is severely damaged.
1 – Negligible	Injuries and/or illnesses are treatable with first aid. Minor quality of life lost. Shutdown of critical facilities and services for 24 hours or less. Less than 10% of property is severely damaged.

The Jackson County Planning Team members completed a hazard ranking exercise. The County hazard list is as follows:

1. Tornados & Derechos
2. Disease Outbreak, Epidemics, & Pandemics
3. Earthquakes
4. Severe Winter Weather
5. Severe Thunderstorms
6. Flooding
7. Hazardous Materials release
8. Drought & Excessive Heat
9. Dam & Levee Failure
10. Cyberattacks
11. Terrorism
12. Ground Failure
13. Utility Disruptions & Power Outages
14. Near Earth Object impact (asteroid, comet, meteoroid)
15. Wildland Fires
16. Landslides
17. Invasive Species & Infestations

Hazard rankings by jurisdiction can be found in appendix 3.

4.1.4. Disaster Declarations

There have been 2 disaster declarations for Jackson County from 2015-2022:

2019: DR-4461-IL Illinois Severe Storms and Flooding

- Jackson County was one of 28 counties along the Illinois and Mississippi Rivers that experienced the most severe floods since 1993.

2020: DR4489-IL Illinois COVID-19 Pandemic

- COVID-19 was declared a nationwide emergency on March 13, 2020 by President Trump, pursuant to section 501(b) of the Stafford Act, this declaration removed the need for individual governors to apply. All 50 states and five territories were covered under this initial declaration, on February 2, 2021 and March 29, 2021, the Navajo nation and Poarch Band of Creek Indians were also approved for Coronavirus Disease-19 (COVID-19) disaster declarations under President Biden.

4.2. TORNADOS AND DERECHOS

4.2.1. Hazard Description

Tornados are violently rotating columns attached to the base of a cloud and extend to the ground. Tornados are most often produced at the trailing end of strong supercell thunderstorm systems; though the process of tornado formation is not fully understood⁶. Tornadoes can be brutally destructive when they move through densely populated areas. Severe tornadoes can reach winds speeds in excess of 300mph and cause paths of destruction 1 mile wide and more than 50 miles long. Due to the power of the rotating winds, buildings and human life are at great risk during a strong tornado.

Tornado intensity is measured on the Enhanced Fujita (EF) Scale (adopted by the National Weather Service (NWS) in 2007). EF rating is determined by the 3-second wind gust speed (table 4.4). It is important to note these speeds are estimates based on observations from the point of damage after the tornado has passed and are not direct measurements of wind speed. The NWS service uses 28 Damage Indicators (DI) (Table 4.5) on a scale of Degrees of Damage (DOD) to estimate expected, lower, and upper bounds of wind gusts that occurred⁷. The NWS has specific DOD scales for each type of DI and is the only agency with authority to give official EF ratings of tornado events. The scale ranges from EF0, characterized by wind gusts of up to 85 mph with light damage to buildings, to EF5 which is characterized by catastrophic damage and wind gusts over 200 mph.

Derechos are long-lived wind storms continuing in one direction, usually over large areas. To be classified as a derecho, the storm must extend for over 240 miles and reach wind gusts of 58mph⁸. Derechos are a unique weather phenomenon that almost exclusively occur in the eastern United States. They are also seasonal storms, with 70% occurring between May and August⁶. Both tornados and derechos develop from, and are associated with thunderstorms.

⁶ "Severe weather 101," The National Severe Storms Laboratory, nssl.noaa.gov.

⁷ "A Recommendation for an Enhanced Fujita Scale (EF-scale) Submitted to the National Weather Service and Other Interested Users," WIND SCIENCE AND ENGINEERING CENTER, Texas Tech University, 2004.

⁸ "Derecho" National Weather Service

Table 4.4 - Enhanced Fujita Tornado Rating

Enhanced Fujita Number	3-Second Gust Speed (mph)	Selected Degrees of Damage Descriptions
0 Gale	65-85	Loss of <20% roofing material, loss of siding. Loss of rooftop HVAC.
1 Moderate	86-110	Broken glass, loss of >20% roofing material. Manufactured homes overturn but remain intact. Collapse of exterior walls of many types of building. Broken wood electrical poles. Trees uprooted or snapped.
2 Significant	111-135	Houses shift off foundations, collapse of roofs. Manufactured homes destroyed. Collapse of exterior walls of many types of building. Complete destruction of some isolated buildings. Bent or broken steel and concrete electrical poles. Trees snapped and debarked.
3 Severe	136-165	Top floor exterior and interior walls may collapse. Collapse of rigid frames in metal buildings. Damage to wall cladding and roof slabs of institutional buildings (hospitals, courthouses).
4 Devastating	166-200	Collapse of most walls, total destruction of residential houses. Destruction of large buildings such as shopping malls. Significant damage to institutional buildings.
5 Incredible	Over 200	Total destruction of residential houses, destruction of large buildings such as shopping malls. Significant damage to institutional buildings.

Source: National Weather Service/National Oceanic and Atmospheric Administration

Table 4.5 - Damage Indicators used to determine EF tornado rating

DI Number	Damage Indicator
1	Small Barns or Farm Outbuildings (SBO)
2	One- or Two-Family Residences (FR12)
3	Manufactured Home – Single Wide (MHSW)
4	Manufactured Home – Double Wide (MHDW)
5	Apartments, Condos, Townhouses [3 stories or less] (ACT)
6	Motel (M)
7	Masonry Apartment or Motel Building (MAM)
8	Small Retail Building [Fast Food Restaurants] (SRB)
9	Small Professional Building [Doctor's Office, Branch Banks] (SPB)
10	Strip Mall (SM)
11	Large Shopping Mall (LSM)
12	Large, Isolated Retail Building [K-Mart, Wal-Mart] (LIRB)
13	Automobile Showroom (ASR)
14	Automobile Service Building (ASB)
15	Elementary School [Single Story; Interior or Exterior Hallways] (ES)
16	Junior or Senior High School (JHSH)
17	Low-Rise Building [1-4 Stories] (LRB)
18	Mid-Rise Building [5-20 Stories] (MRB)
19	High-Rise Building [More than 20 Stories] (HRB)
20	Institutional Building [Hospital, Government or University Building] (IB)
21	Metal Building System (MBS)
22	Service Station Canopy (SSC)
23	Warehouse Building [Tilt-up Walls or Heavy-Timber Construction](WHB)
24	Transmission Line Towers (TLT)
25	Free-Standing Towers (FST)
26	Free-Standing Light Poles, Luminary Poles, Flag Poles (FSP)
27	Trees: Hardwood (TH)
28	Trees: Softwood (TS)

Source: National Weather Service/National Oceanic and Atmospheric Administration

Table 4.6 Average path size of tornados, based on all tornados reported in the United States from 2007-2013⁹

Enhanced Fujita Number	Average Path Length (miles)	Average Patch Width (feet)
0	1.41	180.12
1	4.41	537.40
2	8.88	1128.94
3	18.08	2415.68
4	32.65	3273.95
5	44.71	5366.79

4.2.2. Geographic Location and Historical Occurrences

Southern Illinois is sometimes included in definitions of “Tornado Alley” and “Dixie Alley”, although the terms have no official boundaries and generally refer to the Southcentral and Southeast portions of the U.S. respectively. Both geographic areas have the highest frequency of tornados in the U.S. The infamous Tri-State Tornado of 1925 was one of the worst recorded tornados in the history of the Midwest. It went through Jackson County and others in Illinois on its path from Missouri to Indiana. A rare weather event, the Tri-State Tornado had a path length of 219 miles and a width of $\frac{3}{4}$ mile. It continued for an estimated 3 $\frac{1}{2}$ hours, and was an F5 on the Fujita scale. This event was the most destructive single tornado in United States history: 695 lives were lost, 2,027 were injured, and 15,000 homes were destroyed.

On May 29, 1982 an F3 tornado travelled through Perry County in southern Illinois, injuring 6 and destroying 9 homes in Conant¹⁰. An F4 tornado went through Williamson County, IL the same day- killing 10, injuring 181, and damaging 500 homes and 82 businesses¹¹. The path in Williamson County was 17 miles long and nearly $\frac{1}{4}$ mile wide¹².

On December 11-12, 2021, a supercell thunderstorm travelled over 350 miles through Arkansas, Missouri, Tennessee, and Kentucky. 66 Tornados have been confirmed from this storm event, including an EF4 from Craighead County Arkansas to Obion County Tennessee with a path length of 80.3 miles and a max width of 5,249ft, and a second EF4 from Fulton County to Breckenridge County in Kentucky, with a path length of 165.7 miles and a max width of 7,874ft¹³. One EF3 and five EF2 tornados occurred in Illinois from this event; none occurred in Jackson County. 89 deaths and nearly \$4 billion in damages occurred across all of the states that were impacted¹⁴.

⁹ Elsner, James B et al. “Tornado intensity estimated from damage path dimensions.” PloS one vol. 9,9 e107571. 17 Sep. 2014

¹⁰ Koplowitz, H.B., The Southern Illinoisian, “9 of 11 Conant homes ruined” June 1, 1982.

¹¹ Staff Writers, The Southern Illinoisian, “Marion counts loss, plans future” June 1, 1982.

¹² National Weather Service, “1982 Marion Illinois Tornado”.

¹³ National Weather Service, “NWS Storm Damage Summaries - Dec 10-11, 2021 Tornado Outbreak”.

¹⁴ Wikipedia, “Tornado outbreak of December 10–11, 2021”.

There have been two major derechos in Illinois in recent decades; one in May of 2009 in southern Missouri and Illinois, and one in 2020 that went through Nebraska, Iowa, northern Illinois and northern Indiana. The 2009 derecho had recorded wind speeds of 120mph in Murphysboro, IL. Many power outages occurred and there was 1 death from the storm¹⁵. In 2020 an estimated 850,000 acres of crops were damaged and 2 people were killed in Iowa. In Illinois alone 750,000 homes lost power¹⁶.

There have been 35 records of tornados in Jackson County from 1950-2021, with only 25 causing death, injury, or property damage (table 4.7).

¹⁵ The Southern Illinoisian

¹⁶ Foley and Funk, "Derecho leaves 2 dead, heavy crop damage across Midwest", The Southern Illinoisian, 8.12.2020.

Table 4.7 - Tornadoes that have caused death, injury, or property damage in Jackson County, IL.

Location	Date	Rank	Deaths	Injuries	Property Damage
	12/18/1957	F4	11	180	2500000
	11/13/1951	F2	0	7	250000
	4/5/1958	F3	0	6	250000
	4/5/1958	F3	0	5	250000
	12/18/1957	F2	0	5	25000
	6/1/1970	F2	0	5	25000
GORHAM	9/22/2006	F2	0	1	800000
	3/25/1970	F2	0	1	250000
CORA	2/28/2017	EF3	0	0	6000000
MAKANDA	2/29/2012	EF2	0	0	100000
SATO	5/8/2009	EF1	0	0	80000
DOWELL	3/23/2012	EF1	0	0	75000
ELKVILLE	4/19/2011	EF0	0	0	70000
MT CARBON	4/24/2014	EF1	0	0	35000
	12/18/1957	F2	0	0	25000
	8/21/1971	F1	0	0	25000
	6/14/1990	F1	0	0	25000
MURPHYSBORO	6/19/2015	EF1	0	0	25000
ELKVILLE	5/8/2009	EF0	0	0	10000
ETHERTON	2/20/2014	EF1	0	0	10000
CRAIN	4/7/2010	EF0	0	0	5000
AVA	12/23/2015	EF0	0	0	5000
DE SOTO	11/10/2002	F0	0	0	4000
	5/8/1988	F1	0	0	2500
ETHERTON	3/1/2017	EF0	0	0	2000

Source: NOAA Storm Events Database

4.2.3. Risk

Tornadoes and derechos can occur at any location in the county. Derechos are a seasonal weather phenomenon and typically occur during May-August. Historical tornadoes generally moved from southwest to northeast across the county, although many other tracks are possible. The extent of the hazard varies in terms of the EF rating of the tornado and location and direction of its path. Based on NOAA data, Jackson County has a 50% chance of a tornado occurring in any given year.

Structures most at risk of damage in the event of tornadoes include mobile and manufactured homes, unreinforced masonry structures, and facilities without storm window retrofits. Any homes and facilities constructed before building codes were widely enforced (pre-1970s) are more at risk for wind damage. The 2018 International Building Code (IBC) has wind load and impact resistance requirements for window installations specific for geographic area. The State of Illinois has not adopted statewide building code requirements¹⁷. Jackson County has also not

¹⁷ "Building Codes and Regulations", Capital Development Board, Illinois.gov.

adopted any building codes; some individual municipalities do have building code enforcements, see section 5.2 for all hazard related codes and ordinances.

4.2.4. Climate Change

2021 had an above average number of tornados recorded, with December having a record-breaking number of 193 tornados across the United States¹⁸. National average tornado frequency has remained relatively constant, but the spatial distribution has been shifting; with positive trends in the Midwest and Southeast, and negative trends in the Great Plains region¹⁹. The Eastern U.S. is expected to see an increase in days with favorable conditions for severe thunderstorms with the changing climate, which could also lead to an increased risk of tornado occurrence²⁰.

4.2.5. Hazard Model

ArcGIS was used to simulate an EF4 tornado in Jackson County, IL. A hypothetical path was created with a polyline from the Mississippi River heading northeast through Murphysboro and DeSoto. From the tornado path, four damage zones were created using the multiple ring buffer tool (table 4.8).

Table 4.8 Buffer zones and damage estimates used for the EF4 tornado model

Zone	Buffer (feet)	Bridges & hospital damage	All other building damage
1	500	75%	100%
2	1000	50%	80%
3	2150	25%	50%
4	3300	5%	10%

Essential and critical facilities and infrastructure data comes from the Hazus Illinois State dataset, and from local planning partner knowledge. Residential parcel data is from the Jackson County Assessor's Office. Railroad bridges, highway bridges, and hospitals have lower damage percentages since they are generally designed to withstand severe weather better than other infrastructure and buildings. The residential category includes single family homes, duplexes, mobile homes, and apartment buildings (Occupancy codes 0040 and 0050).

Figure 4.3 shows the tornado path for Jackson County. Figure 4.4 shows the path in detail through Murphysboro and Harrison. Figure 4.5 shows the path in detail through DeSoto. Table 4.8 shows the total damage cost estimates. Tables 4.9-4.12 show the results and damage cost estimates for each buffer zone.

¹⁸ NOAA, "Contiguous U.S. ranked fourth warmest during 2021; 20 billion-dollar disasters identified", January 10, 2022.

¹⁹ Gensini, V.A. and Brooks, H.E., Nature, "Spatial trends in United States tornado frequency", 2018.

²⁰ NASA - Global Climate Change, "Severe thunderstorms and climate change", April 7, 2013.

Figure 4.3

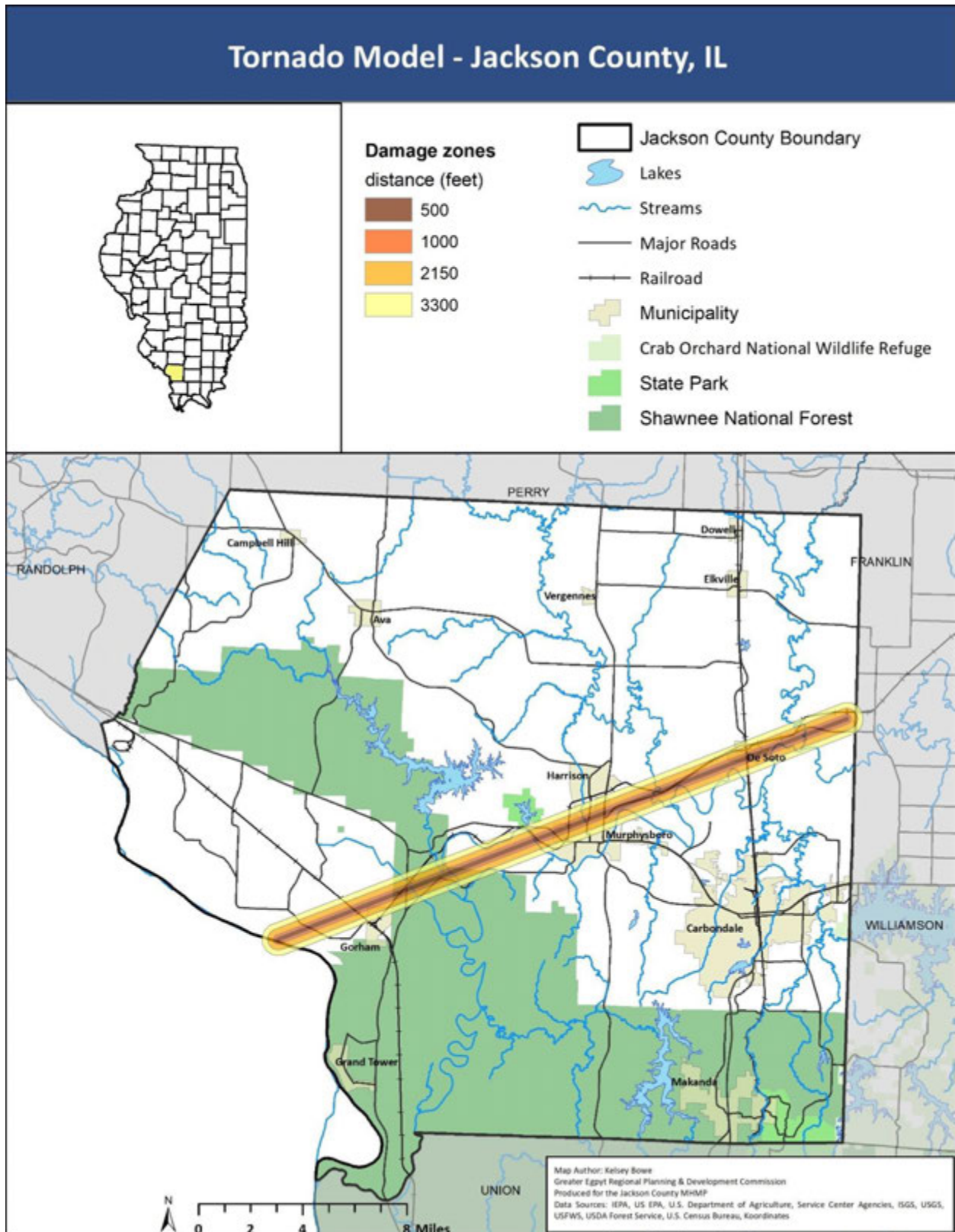


Figure 4.4

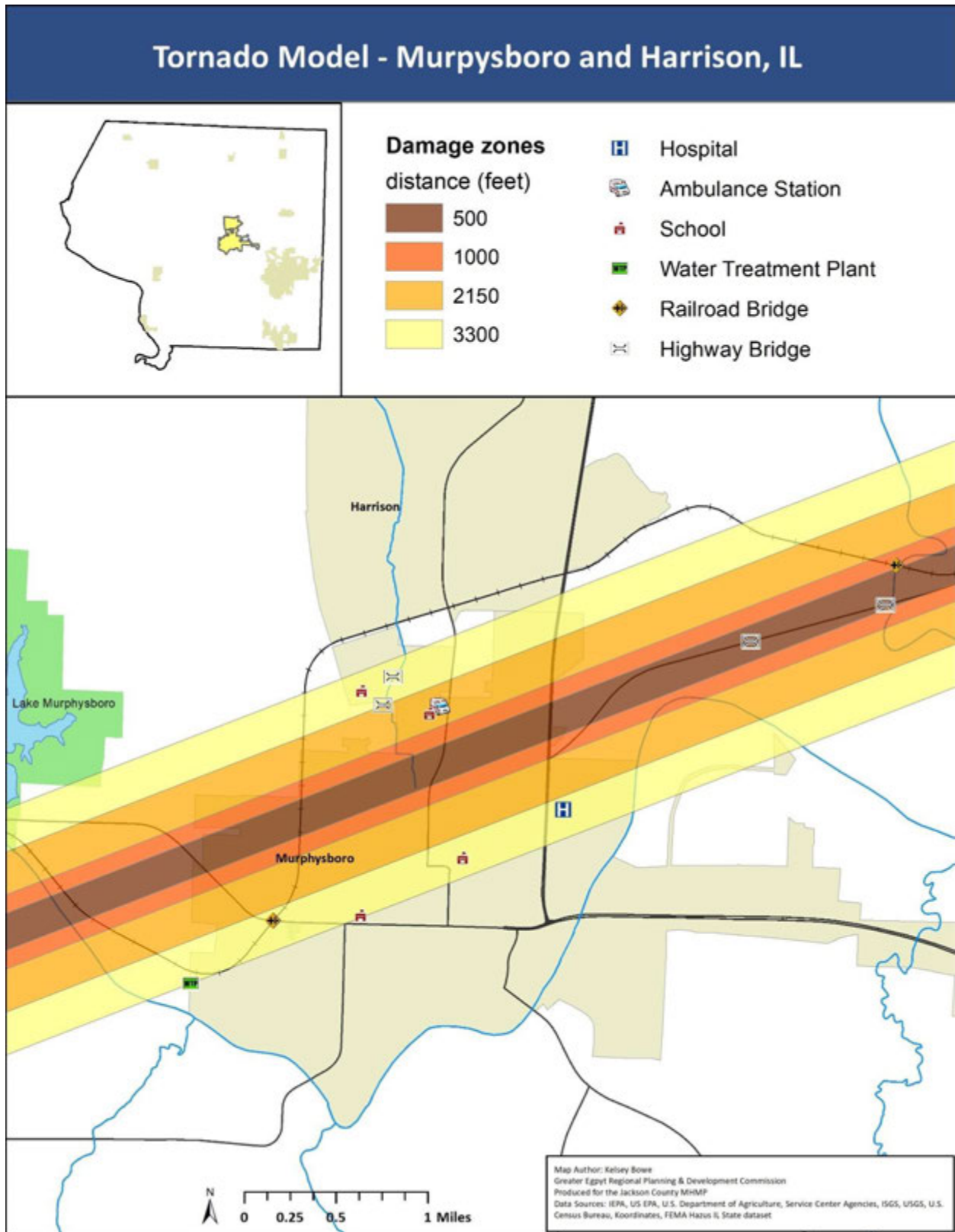


Figure 4.5

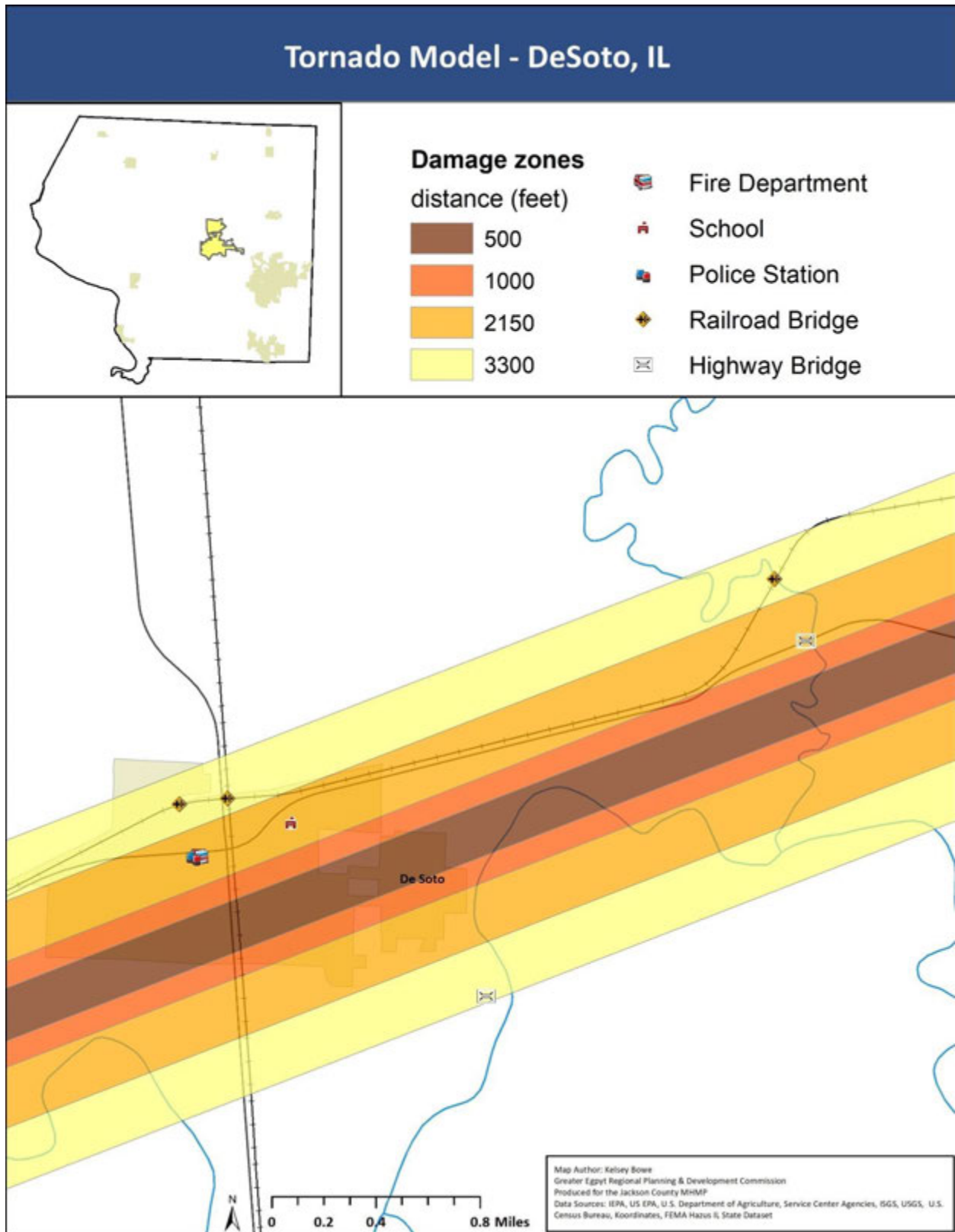


Table 4.9

Total Damage		
Category	# Damaged	Total Cost of Damage
highway bridges	12	\$ 10,860,761.18
railroad bridges	7	\$ 5,228,431.40
essential facilities	8	\$ 9,106,878.02
critical facilities	2	\$ 3,000,000.00
residential buildings	2655	NA
TOTAL		\$ \$28,196,070.60

Table 4.10

Zone 1		
Category	# Damaged	Total Cost of Damage
highway bridges	2	\$ 8,508,237.53
residential buildings	539	NA

Table 4.11

Zone 2		
Category	# Damaged	Total Cost of Damage
highway bridges	1	\$ 457,399.70
railroad bridges	1	\$ 2,614,215.70
residential buildings	481	NA

Table 4.12

Zone 3		
Category	# Damaged	Total Cost of Damage
highway bridges	2	990,090.23
railroad bridges	1	1,307,107.85
residential buildings	996	NA
Jackson County Ambulance Service-Station 2		187,997.00
Carruthers Elementary School		3,377,302.49
DeSoto Grade School		1,757,061.53
De Soto Township Fire Protection Dist		1,398,265.00
Desoto Police Department		1,398,265.00

Table 4.13

Zone 4		
Category	# Damaged	Total Cost of Damage
highway bridges	7	\$ 905,033.73
railroad bridges	5	\$ 1,307,107.85
residential buildings	639	NA
Gorham Sewer Treatment Plant		\$ 1,500,000.00
Murphysboro Sewer Treatment Plant		\$ 1,500,000.00
Murphysboro High School		\$ 917,416.50
Immanuel Lutheran School		\$ 61,929.22
Montessori School of Southern Illinois		\$ 8,641.29

4.3. Disease Outbreaks, Epidemics, & Pandemics

4.3.1. Hazard Description

This hazard is the spread of various diseases or other health problems that increase at rapid rates. The term disease outbreak is typically used when disease spread is limited to small communities or regions, such as a school system, city, or county; Although it can also be used when referring to large scale disease spread. Epidemics are disease outbreaks that infect people throughout a nation or several nations. Pandemics are disease outbreak at a global scale. Pandemics are usually the result of highly-infectious, rapidly spreading diseases. Disease outbreaks may last days to years, and the effects on public health and the economy may be long lasting and severe.

While disease outbreaks are often the result of contagious (human to human spread) diseases, such as influenza or measles they can stem from other origins. Other sources of disease outbreak include foodborne pathogens (such as E. coli or salmonella), zoonotic disease spread (Animal to human spread, such as Lyme disease and west Nile virus), and public health trends (such as the rise in obesity rates). Some disease outbreaks also become endemic, in which a disease is consistently present but limited to certain regions; or seasonal outbreaks where the same disease will resurface at high rates during certain times of the year.

Examples of pandemics include Spanish Influenza, HIV/AIDs, and most recently, COVID-19. Detailed information regarding COVID-19 is widely available from the Centers for Disease Control (CDC), Illinois Department of Public Health (IDPH), and County Health Departments. Disease Outbreaks are not considered a natural hazard by FEMA, and rarely qualify for FEMA emergency funding or grant programs. COVID-19 was declared a federal disaster in all 50 states and relief funding has been distributed through the Coronavirus Aid, Relief, and Economic Security (CARES) Act, 2020 [P.L. 116-136]; the Coronavirus Preparedness and Response Supplemental Appropriations Act, 2020, [P.L. 116-123], and the Families First Coronavirus Response Act, 2020 [P.L. 116-127].

4.3.2. Geographical Location and Historical Occurrences

The CDC maintains the National Outbreak Reporting System (NORS) for disease outbreaks in the U.S.

Table 4.14 Disease Outbreaks in Illinois from 2009-2018.

Type of Outbreak	# Outbreaks	# Illnesses	# Hospitalizations	# Deaths
Person to person	1221	34456	876	24
Foodborne	603	19635	2958	74
Waterborne	33	1862	107	21
Animal Contact	58	5065	998	9
Environmental	4	142	5	0
Indeterminate/unknown	23	516	23	1
Total	1942	61676	4967	129

Source: CDC NORS

*The statistics for animal contact does not include diseases from invertebrate vectors such as mosquitos and ticks, nor does it contain diseases spread from animal bites; most cases are salmonella from touching reptiles and poultry.

Table 4.15 Covid-19 cases and deaths in Illinois as of 6/16/2022.

Covid cases	Confirmed deaths	Probable deaths
3,376,596	33,979	4,413

Source: Illinois Department of Public Health

As of Tuesday, May 17, 2022 Johns Hopkins University data estimates over one million people in the United States have died as a result of COVID-19.

4.3.3. Risk

Since the nature of disease outbreaks vary depending on the type of illness, the risk varies as well. In general, the county has equal risk of an outbreak occurring although facilities such as schools or nursing homes have a higher risk due to the close density of people and vulnerability of children and elderly.

4.4. Earthquakes

4.4.1. Hazard Description

Earthquakes occur when seismic energy in the earth's crust is quickly released, often due to large blocks of crust fracturing or slipping past one another. Tectonic earthquakes often occur along major geologic fault lines. However, earthquakes can also occur in the interior of major plates due to weaknesses in the crust or other factors.

Effects of earthquakes can include perceptible ground shaking, surface faulting, and ground failure. In general, ground shaking will be more vigorous as earthquake magnitude increases. Ground shaking can cause massive damage to buildings and infrastructure; though the amount of damage depends also on soil properties, building specifications, distance from the epicenter, and other factors. Surface faulting, classified as strike-slip, normal, or reverse/thrust, causes displacement of the earth's crust at the surface. This usually leads to a long, narrow zone of displacement, which can be catastrophic to buildings and infrastructure. However, these zones are often quite narrow and impact small areas if they do occur. Ground failure can be induced by liquefaction which is a phenomenon where coarse soils, comprised mainly of silts or sands, act as a liquid due to the seismic shear waves produced by the earthquake. Liquefaction can cause lateral spreads, flow failures, loss of bearing strength, and sand boils – all of which can be destructive to the built environment²¹.

The impacts of large earthquakes on more densely populated areas can be severe. Buildings and major infrastructure may collapse, roadways may be impassable due to debris or road failure, and essential facilities may be damaged or unreachable. Injury and loss of life are also possible during an earthquake – often the result of building collapse or falling debris. Due to the possible crippling of transportation and essential facilities, pre-hazard contingency planning is crucial for adequate emergency response in the event of an earthquake.

Earthquakes are measured by intensity, magnitude and energy release. Intensity describes the effects of the earthquake at the surface. Intensity is measured by the Modified Mercalli Intensity Scale (figure 4.6) which ranges from I – XII, where “I” describes an earthquake almost imperceptible to people and “XII” describes extreme damage to the built and natural environments at the surface. Magnitude is a measurement of the physical size of the earthquake, calculated by multiplying the length, width, and slip. Slip is the displacement of the fault. Energy release is a measure of all frequencies of shaking produced for the duration of an earthquake and is estimated using a logarithmic conversion of the magnitude. Magnitude is measured by a logarithmic scale - an increase of a whole number on the magnitude scale represents a tenfold increase in amplitude and 32 times more energy release²².

²¹ Hays, W.W., ed., 1981, Facing Geologic and Hydrologic Hazards - Earth Science Considerations: U.S. Geological Survey Professional Paper

²² “Earthquake Magnitude, Energy Release, and Shaking Intensity”, Earthquake Hazards, USGS.

Figure 4.6

Intensity	Shaking	Description/Damage
I	Not felt	Not felt except by a very few under especially favorable conditions.
II	Weak	Felt only by a few persons at rest, especially on upper floors of buildings.
III	Weak	Felt quite noticeably by persons indoors, especially on upper floors of buildings. Many people do not recognize it as an earthquake. Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. Duration estimated.
IV	Light	Felt indoors by many, outdoors by few during the day. At night, some awakened. Dishes, windows, doors disturbed; walls make cracking sound. Sensation like heavy truck striking building. Standing motor cars rocked noticeably.
V	Moderate	Felt by nearly everyone; many awakened. Some dishes, windows broken. Unstable objects overturned. Pendulum clocks may stop.
VI	Strong	Felt by all, many frightened. Some heavy furniture moved; a few instances of fallen plaster. Damage slight.
VII	Very strong	Damage negligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; considerable damage in poorly built or badly designed structures; some chimneys broken.
VIII	Severe	Damage slight in specially designed structures; considerable damage in ordinary substantial buildings with partial collapse. Damage great in poorly built structures. Fall of chimneys, factory stacks, columns, monuments, walls. Heavy furniture overturned.
IX	Violent	Damage considerable in specially designed structures; well-designed frame structures thrown out of plumb. Damage great in substantial buildings, with partial collapse. Buildings shifted off foundations.
X	Extreme	Some well-built wooden structures destroyed; most masonry and frame structures destroyed with foundations. Rails bent.

Source: U.S. Geological Survey (USGS)

4.4.2. Geographic Location and Historical Occurrences

Southern Illinois lies in the northwest region of the New Madrid Seismic Zone (NMSZ). This zone covers areas of Arkansas, Missouri, Mississippi, Tennessee, Kentucky, and Illinois (figure 4.7) and is characterized by a group of faults deeply buried by river sediment. The geology associated with the New Madrid Seismic zone is known as the Mississippi Embayment. This is underlain by Reelfoot Rift, a deep continental rift system formed roughly 600 million years ago, and by Paleozoic sedimentary rock formed around 570 million years ago. The upper layers of the Mississippi Embayment include marine sedimentary rock from 50-100 million years ago, and even more recently river sediments from 5 million to 60,000 years ago²³.

Historic data suggests that magnitude 7-8 earthquakes have occurred in the NMSZ roughly every 500 years since 900 CE. The worst recorded series of earthquakes occurred in 1811-1812. three large earthquakes occurred in December 1811, and January and February of 1812, with hundreds of aftershocks felt throughout the year and into 1813. The epicenter of the third earthquake occurred near and destroyed the town of New Madrid, Missouri. Other damage from the earthquakes and aftershocks included bank failure along the Mississippi River, landsides of surrounding bluffs, uplift and subsidence of large areas, and liquefaction of subsurface sediment- resulting in sand blows that covers thousands of square kilometers.

²³ "The New Madrid Seismic Zone", Earthquake Hazards, USGS.

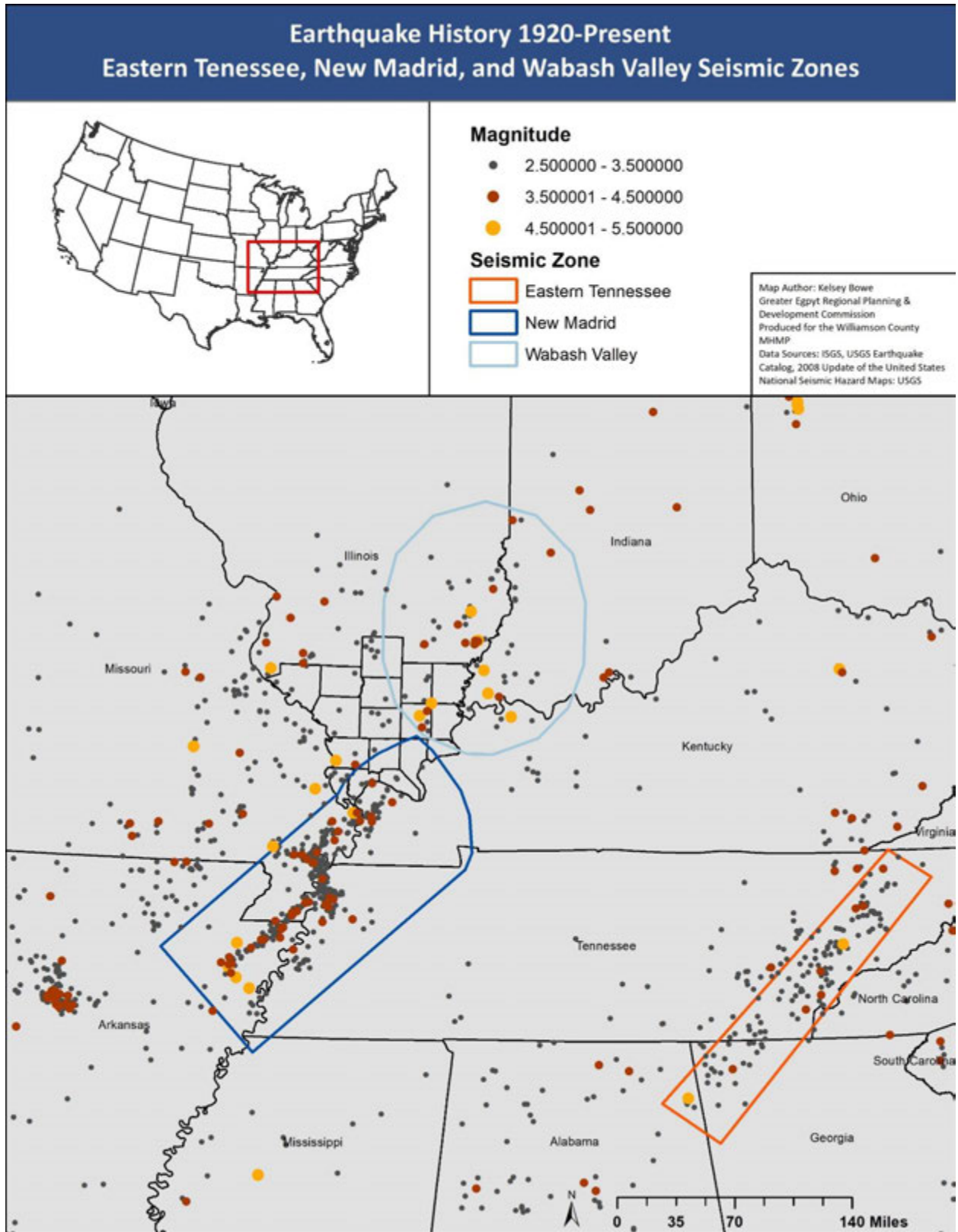
Sections of the Mississippi River are reported to have flown backwards temporarily as a result of uplift.

The Wabash Valley Seismic Zone (WVSZ) occurs around the conjunction of Kentucky, Indiana, and Illinois and may impact seismic activity of southern Illinois counties including Jackson. Although a smaller region than New Madrid, it is estimated to be capable of magnitude 7 earthquakes. There is evidence of liquefaction sites dated at 6,100 years old, and more recently a magnitude 5.2 earthquake occurred in 2008 with an epicenter near Mt. Carmel, IL. Damage was reported from all three states in the seismic zone²⁴. Figure 4.7 shows the seismic zones and earthquake history of southern Illinois and surrounding states.

There have been two recorded earthquakes in Jackson County from 1920-present day. A magnitude 3.0 earthquake occurred on February 28, 1994 north northwest of Murphysboro, and a second magnitude 3.0 occurred in the southwest corner of the county on June 27, 2007.

²⁴ "Wabash Valley Seismic Zone", Central United States Earthquake Consortium. <https://cusec.org/wabash-valley-seismic-zone/>

Figure 4.7



4.4.3. Risk

Figure 4.8 shows the most current USGS earthquake risk map. The values are expressed as a percentage of the acceleration of gravity (g). These values are a probability of 10% chance of exceeding the displayed ground acceleration within 50 years²⁵. Jackson County has a probability of 10-15%, while the center area of the New Madrid Seismic Zone has a probability of 40%.

Areas most at risk for liquefaction and sand blows are floodplains where the water table is within five feet of the surface. The highest risk areas for liquefaction in Jackson County are the floodplains of Beaucoup & Galum Creek, the Little Muddy River, and the Mississippi River. Figure 4.9 shows liquefaction risk for the county.

While the county has equal risk of an earthquake occurring, older buildings and infrastructure have a higher risk of damage if one occurred. Construction before international building codes were widely adopted and enforced, and facilities that have not been seismically retrofitted are more likely to be damaged. Unreinforced masonry buildings were one of the most common structures for homes and commercial buildings from settlement through the mid-late 1970s; it is also the most dangerous building types for an earthquake hazard²⁶. The Hazus software uses the year 1973 as a threshold for earthquake related building codes. However, in the eastern U.S. they were not widely enforced until much later and it can be difficult to determine the building codes used in old facilities. The Central U.S. Earthquake Consortium (CUSEC) states that most homes in the central U.S. were not built with seismic consideration until 1990.

²⁵ "USA Earthquake Risk", Layer Description, Map Image Layer by ESRI and USGS, ArcGIS Online.

²⁶ "Putting down roots in earthquake country- your handbook for earthquakes in the Central United States", U.S. Department of the Interior, U.S. Geological Survey, General Information Product 119.

Figure 4.8

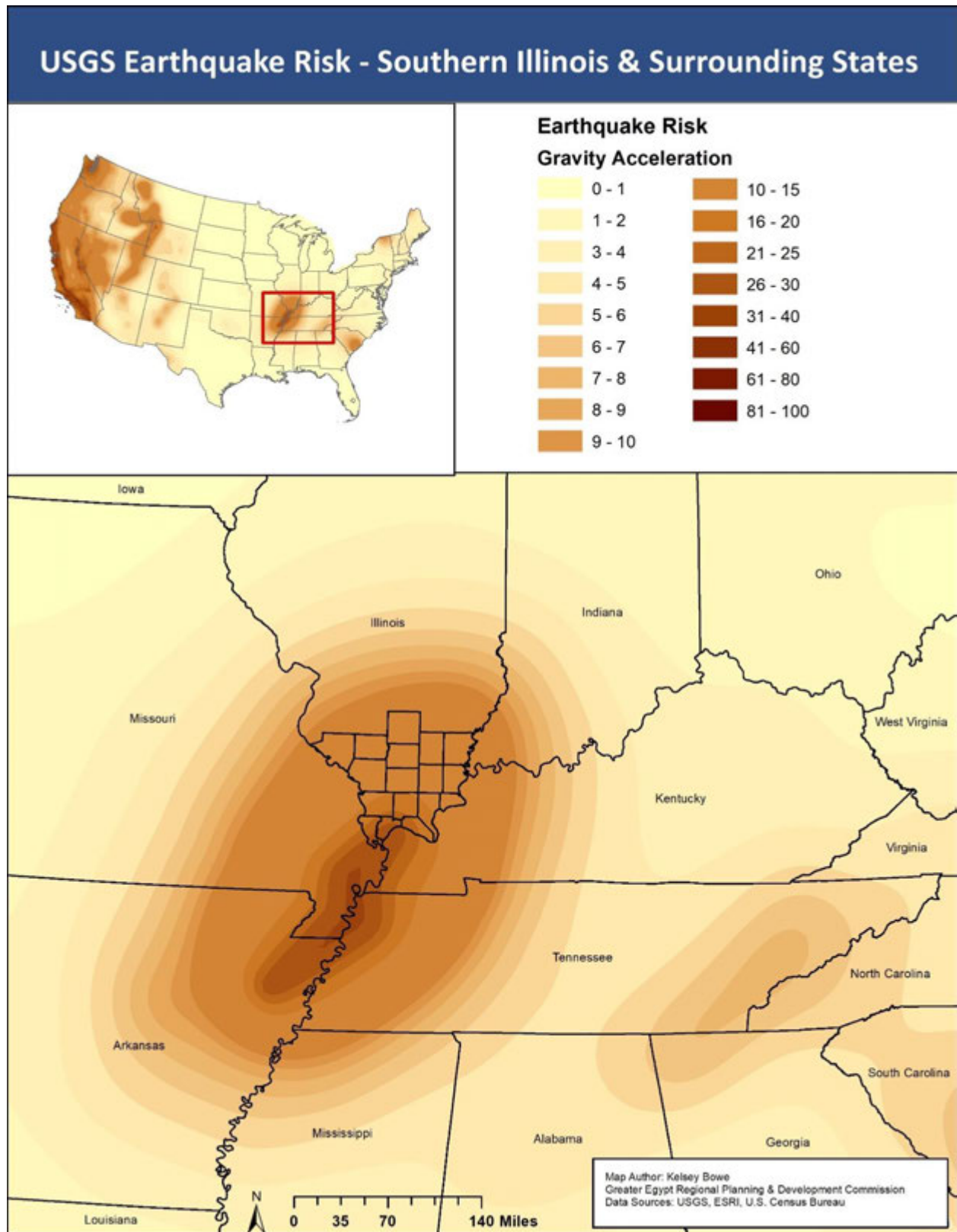
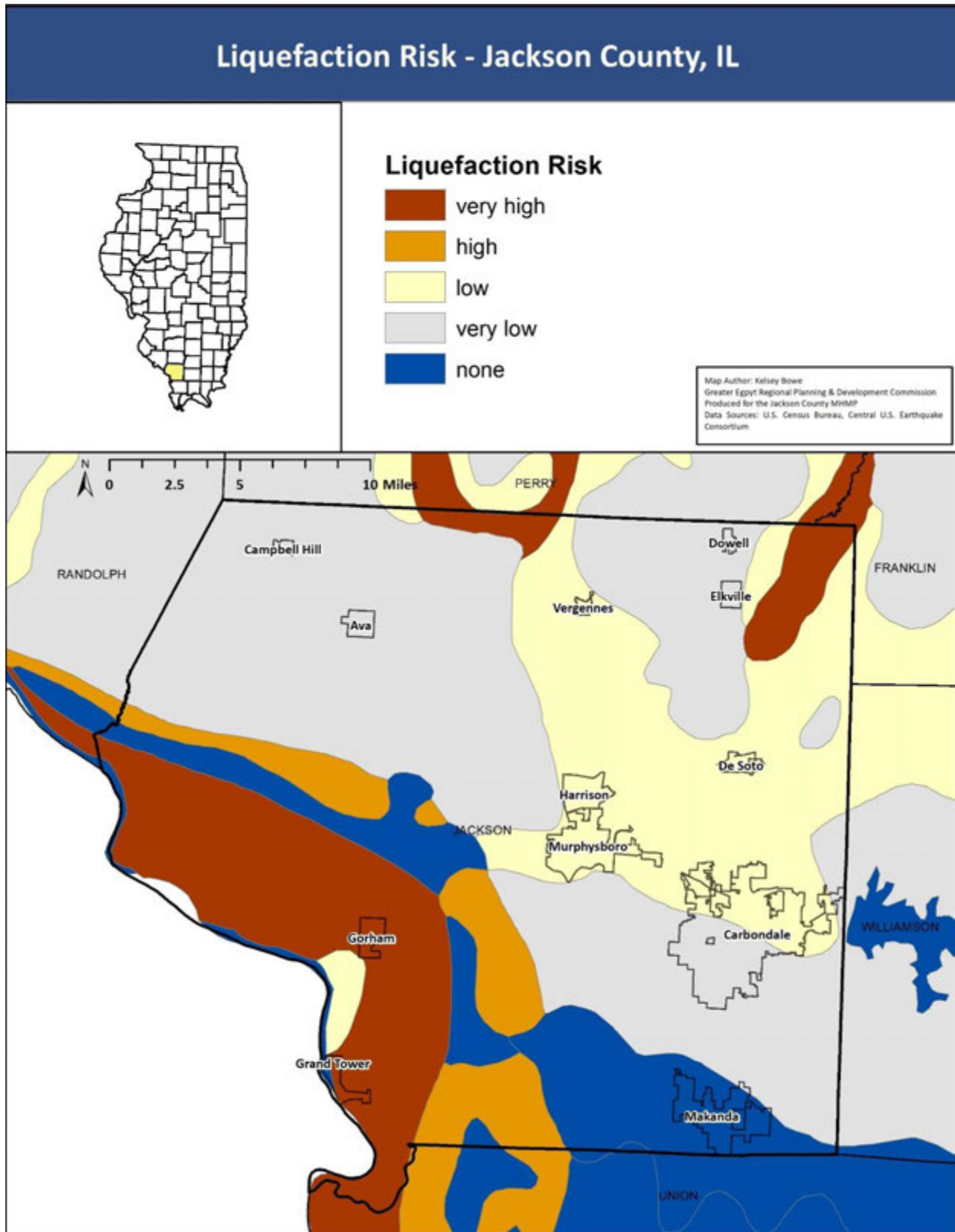


Figure 4.9



4.4.4. Hazard Model

Hazus 5.1 was used to model two different scenarios for Jackson County. Hazus uses data from the 2010 U.S. Decennial Census and the 2019 Homeland Infrastructure Foundation Level Data. Census tracts, population estimates, replacement values, and other data may not reflect the most current values.

Magnitude 5.5 event in Jackson County

Model Parameters:

Hazus Arbitrary Scenario - 5.5 magnitude

Depth - 10km

Latitude - 37.7592

Longitude - -88.3492

Total Households= 25,538

In this scenario, nearly 6,000 buildings are estimated to be moderately or extensively damaged, and 522 buildings are estimated to be completely damaged. Table 4.16 shows the damage estimates by occupancy type. Essential facilities with at least moderate damage include one hospital, 10 schools, one Emergency Operations Center, four police stations, and five fire stations. Transportation systems with at least moderate damage include five highway bridges and one airport. Utility systems that sustain at least moderate damage are two drinking water facilities, four wastewater treatment plants, and seven communication facilities. After seven days all but two wastewater treatment plants are expected to be functioning. Damage to utility pipelines and the effect on households are displayed in tables 4.17 and 4.18.

Table 4.16 – Damage Estimate by Occupancy Type

	None		Slight		Moderate		Extensive		Complete	
Occupancy Type	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
Agriculture	63.14	0.55	27.57	0.48	32.31	0.77	16.63	0.99	4.35	0.83
Commercial	420.59	3.66	274.12	4.82	339.68	8.14	183.88	10.99	68.74	13.18
Education	26.66	0.23	15.23	0.27	18.78	0.45	9.1	0.54	3.23	0.62
Government	25.93	0.23	13.66	0.24	17.82	0.43	8.97	0.54	3.62	0.69
Industrial	87.83	0.76	52.04	0.91	70.09	1.68	41.72	2.49	15.32	2.94
Other Residential	2323.31	20.21	1360.66	23.9	1581.02	37.9	779.44	46.58	224.57	43.05
Religion	64.8	0.56	33.38	0.59	32.39	0.78	17.77	1.06	6.65	1.27
Single Family	8482.42	73.79	3915.34	68.79	2079.26	49.85	615.77	36.8	195.21	37.42
Total	11,495		5,692		4,171		1,673		522	

Table 4.17 - Utility Pipeline Damage Estimates

System	Total Pipeline Length (miles)	# of Leaks	# of Breaks
Potable Water	2,634	506	375
Waste Water	1,581	254	188
Natural Gas	24	2	3
Oil	0	0	0

Table 4.18 – Loss of Utility Service Estimates

Number of Households without Service					
	At Day 1	At Day 3	At Day 7	At Day 30	At Day 90
Potable Water	10,482	8,726	4,801	0	0
Electric Power	13,320	8,318	3,294	586	17

Physical damage will result in an estimated 236,000 tons of debris, requiring 9,440 truckloads to remove. Monetary losses are displayed in table 4.19.

In addition to the building related losses, there is an estimated \$34.42 million in economic losses to the transportation sector and \$122.63 million in economic losses to utility systems. Total Economic losses are estimated to be \$1.032 billion.

Table 4.19 – Building-related Economic Loss Estimates (millions of dollars)

Category	Single Family	Other Residential	Commercial	Industrial	Others	Total
Income Losses						
Wage	0	1.6395	28.2069	0.8188	3.1878	33.853
Capital-Related	0	0.6965	23.2592	0.5674	0.8376	25.3607
Rental	6.6108	9.2844	12.6088	0.3018	1.5835	30.3893
Relocation	23.2133	10.26	19.5202	1.6572	12.7935	67.4442
Subtotal	29.8241	21.8804	83.5951	3.3452	18.4024	157.0472
Capital Stock Losses						
Structural	40.2258	23.1774	30.6825	6.2418	13.2991	113.6266
Nonstructural	160.5164	110.3308	86.0512	21.2081	41.4693	419.5758
Content	65.0143	32.2137	45.9775	14.8457	23.4282	181.4794
Inventory	0	0	1.1199	2.3793	0.1512	3.6504
Subtotal	265.7565	165.7219	163.8311	44.6749	78.3478	718.3322
Total	295.58	187.6	247.43	48.02	96.75	875.38

Social Impact

The model estimates 674 households will be displaced due to the earthquake. Of those, 483 will need temporary public shelter.

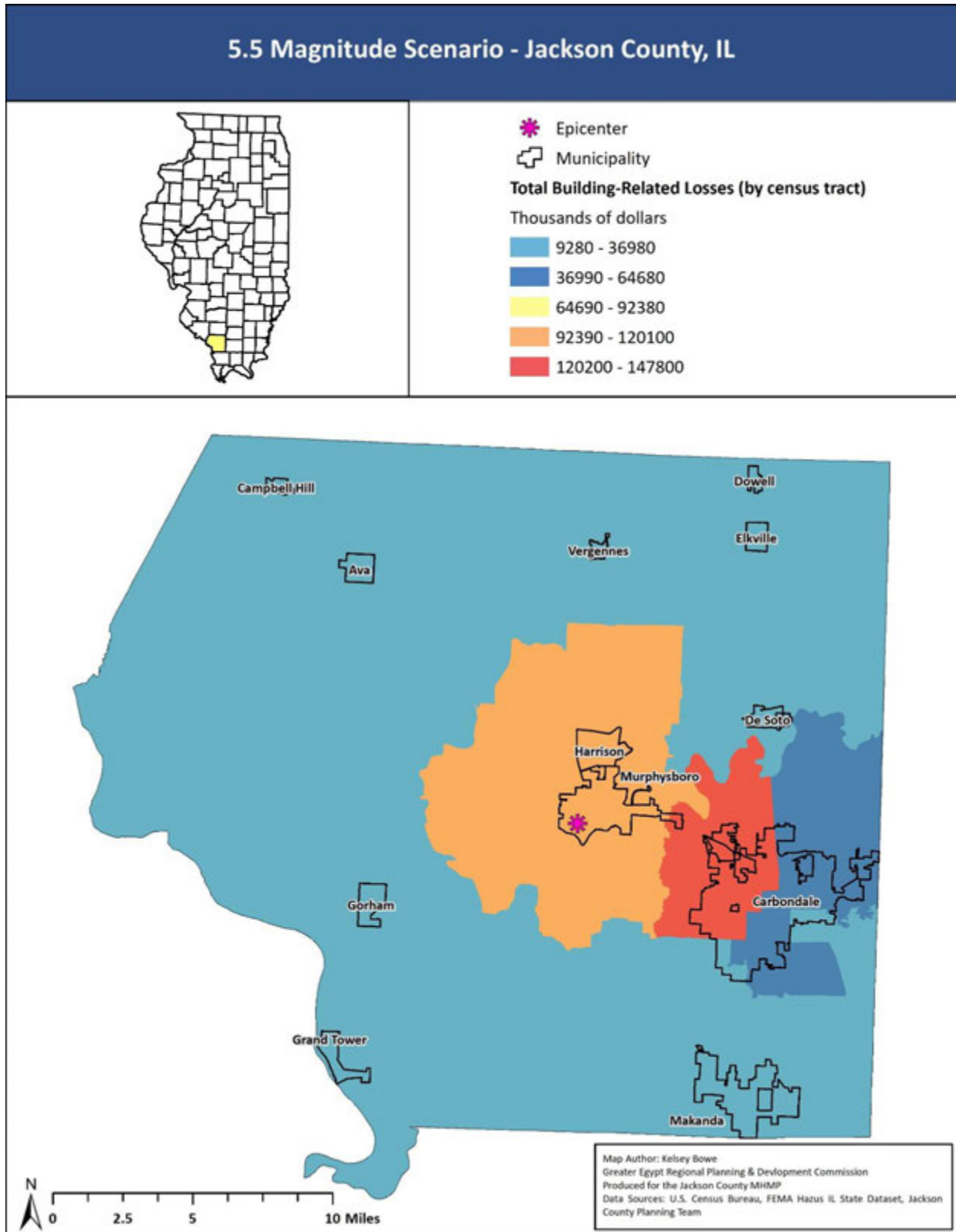
Table 4.20 displays injury and casualty estimates for 3 different occupancy load scenarios. 2:00 AM represents maximum residential occupancy load (most of population home in bed), 2:00 PM represents peak educational, commercial, and industrial occupancy (most of population at work/school), and 5:00 PM represents peak commuter occupancy. Injury severity levels are as follows:

- Severity Level 1: Injuries will require medical attention but hospitalization is not needed.
- Severity Level 2: Injuries will require hospitalization but are not considered life threatening
- Severity Level 3: Injuries will require hospitalization and can become life threatening if not promptly treated.
- Severity Level 4: Victims are killed by the earthquake.

Table 4.20 – Injury and Casualty Estimates

Time of Earthquake	Occupancy Type	Level 1	Level 2	Level 3	Level 4
2:00 AM	Commercial	2.71	0.65	0.09	0.17
	Commuting	0.01	0.02	0.03	0.01
	Educational	0	0	0	0
	Hotels	0	0	0	0
	Industrial	1.71	0.41	0.05	0.1
	Other-Residential	90.78	19.22	2.04	3.87
	Single Family	92.96	21.51	2.94	5.78
	Total	188	42	5	10
2:00 PM	Commercial	163.72	39.53	5.33	10.34
	Commuting	0.12	0.15	0.26	0.05
	Educational	96.49	23.67	3.43	6.62
	Hotels	0	0	0	0
	Industrial	12.63	3	0.4	0.76
	Other-Residential	20.92	4.54	0.51	0.94
	Single Family	21.83	5.22	0.75	1.4
	Total	316	76	11	20
5:00 PM	Commercial	117.56	28.48	3.88	7.43
	Commuting	2.16	2.77	4.81	0.92
	Educational	28.98	6.87	0.97	1.88
	Hotels	0	0	0	0
	Industrial	7.89	1.88	0.25	0.48
	Other-Residential	34.49	7.46	0.84	1.54
	Single Family	37.29	8.9	1.27	2.38
	Total	228	56	12	15

Figure 4.10



Magnitude 7.5 event in the New Madrid Seismic Zone

Model Parameters:

USGS ShakeMaps Scenario - M7.5-New Madrid central fault, version 5, bssc2014

Depth - 19.358km

Latitude - 35.83234

Longitude - -90.06303

This model estimates damages and social impacts of a magnitude 7.5 earthquake in the central fault of the NMSZ for Jackson County, Illinois. An earthquake of this magnitude would be catastrophic to the population, infrastructure, and economy of northeast Arkansas, southeast Missouri, western Kentucky, southern Illinois, and surrounding areas; even though the effects in Franklin County are expected to be mild. The Mid America Earthquake Center estimated that if a repeat of the 1811-1812 earthquakes occurred today, the NMSZ would suffer over 3,000 deaths, hundreds of hospitals could lose functionality, millions of households and businesses would lose water and electricity, and total economic losses would be in the hundreds of billions of dollars.

Results:

In this scenario, 1,506 buildings are estimated to be moderately or extensively damaged, and only 17 buildings are estimated to be completely damaged. Table 4.21 shows the damage estimates by occupancy type. No essential facilities are estimated to be damaged. No transportation systems are estimated to be damaged. No utility facilities are estimated to be damaged, but there is some damage to pipelines. Damage to utility pipelines is displayed in table 4.22. No households are expected to lose utility services as a result of the earthquake. Hazus only estimates utility losses for the county as a single unit; it does not take into account that power grids, water lines, and other pipelines may be interconnected across multiple counties or states.

Table 4.21 – Damage Estimates by Occupancy Type

	None		Slight		Moderate		Extensive		Complete	
Occupancy Type	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
Agriculture	112.92	0.58	17.36	0.72	11.05	0.85	2.51	1.24	0.16	0.89
Commercial	999.95	5.1	167.69	6.92	95.35	7.32	22.38	11.01	1.63	9.38
Education	57.52	0.29	9.17	0.38	5.27	0.4	0.93	0.46	0.12	0.67
Government	55.16	0.28	8.79	0.36	5.16	0.4	0.78	0.39	0.1	0.6
Industrial	207.29	1.06	33.78	1.39	20.71	1.59	4.9	2.41	0.32	1.82
Other Residential	4373.96	22.31	985.67	40.69	795.73	61.05	106.78	52.52	6.85	39.42
Religion	125.59	0.64	17.23	0.71	9.75	0.75	2.22	1.09	0.21	1.21
Single Family	13674.22	69.74	1182.56	48.82	360.42	27.65	62.8	30.89	8	46.01
Total	19,607		2,422		1,303		203		17	

Table 4.22 – Utility Pipeline Damage Estimates

System	Total Pipeline Length (miles)	# of Leaks	# of Breaks
Potable Water	2,634	42	11
Waste Water	1,581	21	5
Natural Gas	24	0	0
Oil	0	0	0

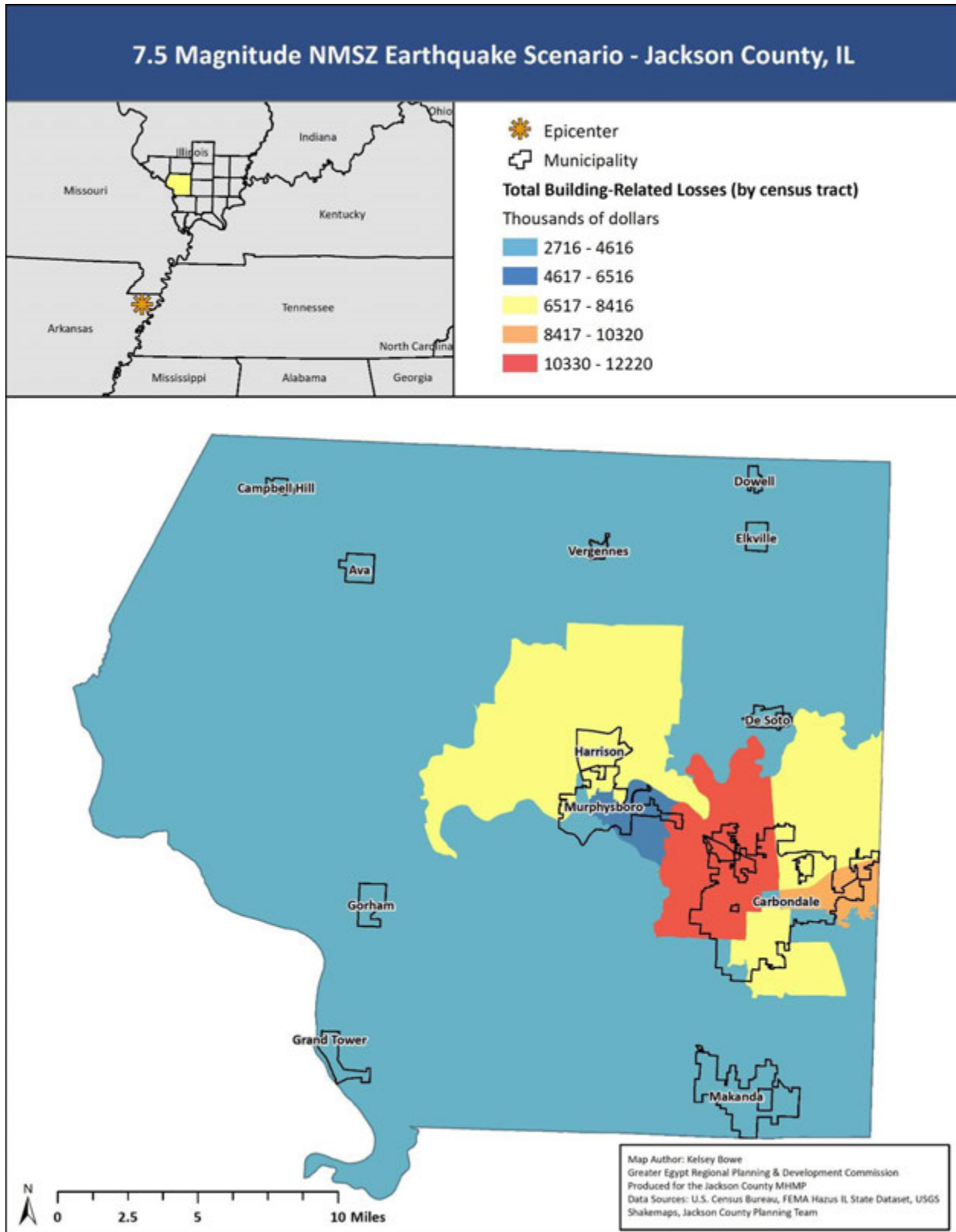
This scenario estimates 31,000 tons of debris will be generated, requiring 1,240 truckloads to remove. 56 households would be displaced as a result of the earthquake, and 44 of the households would be in need of temporary public shelter. This model estimates between 21 and 32 level 1 injuries, 3-5 level 2 injuries, and 0-1 severe injuries or deaths would occur from the earthquake, with the 2pm scenario having the highest estimates.

Table 4.23 and figure 4.11 show building-related economic loss estimates. In addition to the building related losses, there is an estimated \$1.84 million economic loss to the transportation sector and \$7.59 million economic loss to utility systems. Total Economic losses are estimated to be \$94.79 million.

Table 4.23 – Building-related Economic Loss Estimates

Category	Single Family	Other Residential	Commercial	Industrial	Others	Total
Income Losses						
Wage	0	0.1802	4.1913	0.0917	0.4527	4.9159
Capital-Related	0	0.0767	3.5273	0.0663	0.1192	3.7895
Rental	0.811	1.4399	2.0351	0.0416	0.2	4.5276
Relocation	2.843	2.1931	2.9827	0.2591	1.7116	9.9895
Subtotal	3.654	3.8899	12.7364	0.4587	2.4835	23.2225
Capital Stock Losses						
Structural	5.0971	4.0199	3.9843	0.71	1.7438	15.5551
Nonstructural	13.0704	11.093	6.8267	1.2269	3.5891	35.8061
Content	3.2624	2.066	2.9734	0.7296	1.5471	10.5785
Inventory	0	0	0.0753	0.1111	0.0127	0.1991
Subtotal	21.4299	17.1789	13.8597	2.7776	6.8927	62.1388
Total	25.08	21.07	26.6	3.24	9.38	85.36

Figure 4.11



4.5. Severe Winter Weather

4.5.1. Hazard Description

Severe winter weather is any cold weather event that poses risk to human life and property. Severe winter weather may also significantly disrupt transportation and economic sectors. Types of severe winter weather are heavy snowfall, extreme low temperatures, freezing rain, sleet, blizzards, ice storms, and strong winds. Freezing rain refers to precipitation falling as a liquid that enters sub-freezing air or cold surfaces, forming ice while sleet refers to precipitation that freezes while falling. The typical definition of severe winter storm for Illinois is an event that produces six inches of snow or more in 48 hours. Severity of winter weather can also be classified by wind speeds and ice.

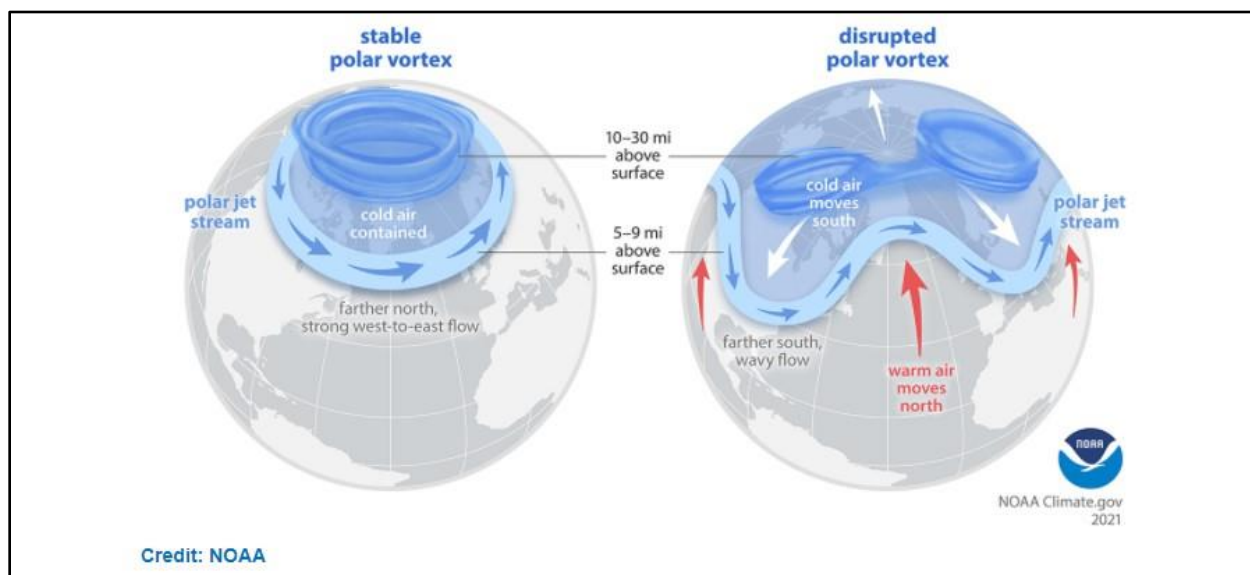
News and weather outlets have been using the term “Polar Vortex” more commonly in recent years. While some outlets are using the term loosely, this report will refer to the NOAA definitions:

- Polar vortex: A band of strong westerly winds that rotate in the stratosphere, 10-30 miles above the surface of the earth, over the north pole. These winds enclose extremely cold air
- Polar Jet Stream: a band of winds in the troposphere, 5-9 miles above the earth’s surface, over the north pole

Winter weather in the mid to southern United States associated with the polar vortex occurs when it weakens and becomes disrupted or “wobbles”. This can in turn interact with the polar jet stream, causing it to move in more wavy forms than its traditional circulation around the north polar regions. These waves of polar jet stream air can dip down far into the U.S., causing severe cold outbreaks, along with ice and snow (figure 4.12)²⁷. Some but not all winter storms in southern Illinois are associated with this natural phenomenon.

²⁷ Lindsey, Rebecca, “Understanding the Arctic polar vortex” NOAA climate.gov, 2021.

Figure 4.12



4.5.2. Specific Impacts

4.5.2.1. Agriculture

Severe winter weather can inflict heavy tolls on the agriculture industry. Planting or harvesting can be delayed. Crops and livestock can die in extreme cases, especially in southern regions where many farmers do not have barns to house their animals in the event of a storm. Unsafe roads can disrupt transportation of harvest and other products on time, and icy conditions can delay barge shipments as well, which is relied on heavily along the Mississippi corridor.

4.5.2.2. Urban

Snow, freezing rain, ice, and sleet can all cause dangerous road conditions, even in small amounts. Disruption of traffic and business closures due to winter weather can negatively impact local and broader economies. Transportation of goods and passengers can be delayed and schools may be shut down when roadways are covered in ice and snow. State, county, and local governments incur large costs for snow removal, salting the roads, and repairing roads that freeze and crack.

Freezing rain can cause immense property damage. When freezing rain comes into contact with surfaces, it forms an ice layer that can quickly become too heavy for power lines, trees, buildings, and roadways. Downed trees and power lines may disrupt power and communication for homes, business, and critical facilities without backup power options. Freezing temperatures can also cause pipes to freeze and burst, which can be very costly to repair.

4.5.2.3. Human Health

Traffic accident frequency increases during winter weather. Negative impacts due to an accident can be exacerbated by delayed medical care - from unsafe roads to health facilities and first responders being stretched thin during winter storm events.

Extreme cold temperature events can lead to frostbite or hypothermia for residents. Windy conditions during a cold weather event lower the wind chill factor, further increasing risk to humans.

4.5.2.4. Natural Landscapes

Effects of the hazard on natural areas are similar to the other sections. Freezing temperatures can cause frostbite and hypothermia in animals. Freezing over of waterbodies can kill some plants and animals. This most often occurs in areas of the south where less species are adapted to winter weather, or when a severe storm occurs later or earlier than normal in a season. Heavy snow and freezing rain can cause limbs to break or whole trees to fall, disrupting forest structure. Economic losses can stem from damaged park facilities, decreased tourism, delays in logging operations, and damaged timber stands.

4.5.3. Climate Change

A major effect of climate change in the Midwest is an increase in severe precipitation events, and an increase in heavy snowfalls has been an emerging pattern over the last decade for the eastern two-thirds of the continental US²⁸.

While some evidence suggests climate change can be causing the polar vortex to wobble and lead to severe winter weather in more southern latitudes, the relationship is not fully understood. One possibility is that global surface temperature increases, especially over Arctic Sea ice, can cause enough changes in surface temperature and pressure to influence the polar vortex. It is also possible these recent winter weather events are just natural variations in the flows of the polar vortex and polar jet stream. There is limited historical data on patterns of the stratosphere, making it difficult to predict long-term trends for the future²⁹.

²⁸ "Climate Change and Extreme Snow in the U.S." NOAA National Centers for Environmental Information.

²⁹ Lindsey, Rebecca "Understanding the Arctic polar vortex", NOAA climate.gov, 2021.

4.5.4. Geographic Location and Historical Occurrences

Severe winter storms hold the record in Illinois for most total damage produced by any short-term weather event.

Table 4.24 - Severe winter weather and number of records for Jackson County from 1996-2021.

Weather Type	Days
extreme cold	3
heavy snow	11
ice storm	5
winter storm	30

Source: NOAA Storm Events Database

Table 4.25 - Severe winter weather events that caused property damage in Jackson County

Date	Property Damage	Storm Type
1/1/1999	50000	Ice Storm
1/13/2017	75000	Ice Storm
2/11/2008	500000	Winter Storm
1/26/2009	400000	Winter Storm
2/21/2013	50000	Winter Storm
2/20/2015	40000	Winter Storm
3/3/2008	30000	Winter Storm
2/24/2016	30000	Winter Storm

Source: NOAA Storm Events Database

4.5.5. Risk

Although the risk for severe winter weather is lower in more southern counties, it does occur, and often causes severe damage to property and infrastructure. Severe winter weather can occur anywhere in Jackson County, the entire county has equal risk. Historical data is lacking for this weather event but based on available records Jackson County experiences at least one winter storm each year and has a 20% probability of experiencing an ice storm each year.

4.6. Severe Thunderstorms

4.6.1. Hazard Description

Thunderstorms are rain bearing clouds that produce lightning. The major thunderstorm categories are single cell, multi-cell, squall line, and supercells. Single-cell storms are short lived and can result in heavy rain and lightning. Multi-cell storms occur along a front and can cause hail, strong winds, tornados, and flooding. Squall storms are a composition of smaller cells that are oriented in a thin line. These systems can cause severe winds and heavy rain. A supercell is a highly energetic storm characterized by a strong rotating updraft. Supercells can cause rain, hail, lightning, high winds, and strong tornados. Thunderstorms can also move together as a system. These are known as Mesoscale Convective Systems (MCS) and may last over 12 hours and cover areas as large as a state³⁰.

Thunderstorm related hazards can be serious. Lightning can cause injury or death to humans, damage to structures, and start fires. The National Weather Service reports that lightning inures roughly 300 people per year and kills 80 people per year in the United States. High wind speeds caused by thunderstorms can result in damage to homes, buildings, trees, and infrastructure. Hail produced by thunderstorms can cause injury to people and damage to automobiles and infrastructure. According to the National Weather Service, for a thunderstorm to be severe it must either produce hail of at least one inch in diameter, winds of at least 58 mph, or produce a tornado. A combination of 40mph winds and 0.5" hail also qualifies as severe.

4.6.2. Climate Change

The largest impacts the Midwest is experiencing from climate change are an increase in spring and summer precipitation and increased flooding. From 2010-2014, the state of Illinois experienced a record number of extreme precipitation events. There are predicted increases in temperature, precipitation, and evaporation in Illinois, leading to frequent and more intense floods and droughts³¹. The eastern U.S. is expected to have an increase in the number of days favorable for the formation of severe thunderstorms³².

4.6.3. Geographic Location and Historical Occurrences

There are 210 total records of thunderstorm winds in Jackson County from 1956 to 12/31/2021, with two records of death or injury and 90 records of property damage. See Table 4.26 for a list of damaging wind records with \$10,000 or more in property damage.

There are 129 total records of hail in Jackson County from 1/1/1950 to 1/31/2021, with 11 reports of property or crop damage and no records or death or injury (table 4.27).

There are three total records of lightning in Jackson County from 1/1/1950 to 1/31/2021, see table 4.28.

³⁰ "Severe Weather 101", NOAA National Severe Storms Laboratory.

³¹ "Climate Change in Illinois" Illinois State Water Survey/Prairie Research Institute

³² NASA - Global Climate Change, "Severe thunderstorms and climate change", April 7, 2013.

Table 4.26 – Selected thunderstorm wind records, Jackson County, IL

Location	Date	Deaths	Injuries	Property Damage
Several locations	5/18/1995	0	0	10000
MURPHYSBORO	4/19/1996	0	0	1000000
MURPHYSBORO	4/15/1998	0	0	15000
(MDH)CRBN DL/MRFYSBRO	5/21/1998	0	0	25000
(MDH)CRBN DL/MRFYSBRO	6/12/1998	0	0	50000
CARBONDALE	1/3/2000	0	0	150000
VERGENNES	10/24/2001	0	2	50000
MURPHYSBORO	10/24/2001	0	0	25000
MURPHYSBORO	4/27/2002	0	0	10000
MURPHYSBORO	7/6/2004	0	0	40000
AVA	8/26/2005	0	0	15000
MURPHYSBORO	9/28/2005	0	0	25000
MURPHYSBORO	4/2/2006	0	0	50000
MURPHYSBORO	10/18/2007	0	0	100000
MURPHYSBORO	1/29/2008	0	0	100000
CAMPBELL HILL	5/25/2008	0	0	10000
CARBONDALE	6/27/2008	0	0	30000
MURPHYSBORO	12/27/2008	0	0	100000
NEUNERT	5/8/2009	1	6	100000000
CARBONDALE	4/19/2011	0	0	1200000
MURPHYSBORO	4/19/2011	0	0	30000
VERGENNES	4/19/2011	0	0	15000
CARBONDALE	5/25/2011	0	0	20000
GORHAM	8/6/2011	0	0	50000
MAKANDA	2/29/2012	0	0	50000
MURPHYSBORO	9/7/2012	0	0	30000
MURPHYSBORO	1/29/2013	0	0	40000
MURPHYSBORO	2/20/2014	0	0	10000
SATO	10/13/2014	0	0	10000
CARBONDALE	7/9/2015	0	0	20000
MURPHYSBORO	7/17/2017	0	0	10000
POMONA	5/31/2018	0	0	10000
CAMPBELL HILL	5/31/2018	0	0	10000
ELKVILLE	6/28/2018	0	0	60000
BARR	7/21/2019	0	0	50000
GRAND TOWER	5/24/2020	0	0	10000
MURPHYSBORO	6/20/2020	0	0	40000
AVA	7/15/2020	0	0	20000
POMONA	7/17/2020	0	0	10000
MURPHYSBORO	7/21/2020	0	0	20000
AVA	8/10/2020	0	0	40000
MURPHYSBORO	8/10/2020	0	0	10000

Source: NOAA Storm Events Database

Table 4.27 – Hail records that have caused property or crop damage, Jackson County, IL

Location	Date	Hail Diameter	Property Damage	Crop Damage
	4/29/1963	1	0	0
Murphysboro	8/1/1993	0.75	500	0
MURPHYSBORO	3/28/1997	1.75	50000	0
DE SOTO	6/12/1998	1	40000	0
GORHAM	5/23/2000	1	0	20000
GRAND TOWER	5/2/2002	2	1000000	0
CARBONDALE	9/22/2006	1	10000	0
CAMPBELL HILL	5/25/2008	1.5	5000	0
DE SOTO	5/7/2009	1.75	100000	0
ORAVILLE	5/7/2009	1.75	20000	0
MURPHYSBORO	5/20/2012	1.75	100000	0

Source: NOAA Storm Events Database

Table 4.28 – Lightning records, Jackson County, IL

Location	Date	Deaths	Injuries	Property Damage
MURPHYSBORO	8/7/2000	0	0	10000
CARBONDALE	3/29/2007	1	0	0
CARBONDALE	6/9/2010	0	1	0

Source: NOAA Storm Events Database

4.6.4. Risk

The county has equal risk of severe thunderstorms occurring. Based on NOAA data, Jackson County is expected to experience at least 3 thunderstorms each year.

4.7. Flooding

4.7.1. Hazard Description

Flooding in southern Illinois is a significant and recurring hazard. This is a result of lying between the two largest rivers in the U.S. (when ranked by discharge), the Mississippi and Ohio; as well as climactic and seasonal factors. Characteristics of floods are uniquely influenced by precipitation intensity, infiltration rates, hydrogeologic features of a watershed, and interactions with the built environment.

There are 2 different types of floods that may occur in southern Illinois:

4.7.2. Flash/Upstream Floods

Flash flooding occurs when heavy rainfall leads to rapid flooding in upstream catchments and smaller tributaries. Urban flooding, when water overwhelms an area's drainage capacity is also a type of flash flood. Due to the fast-moving water inherent with flash floods, there can be significant hazards to people and the built environment. These can include loss of human life, destroyed buildings, downed trees, submerged vehicles, downed utilities, and more. Flash floods most often occur in the spring and early summer.

Flash flooding from extreme precipitation (defined as a weather event with more than two inches of precipitation) can have many widespread negative effects. Increased stormwater flow can lead to more pollutants in water bodies including excess nutrients from agriculture and urban fertilizers, pesticides and herbicides, sediments, motor oil and other vehicle pollution, and microbial pathogens.

Urban flooding is defined by the State of Illinois as "The inundation of property in a built environment, particularly in more densely populated areas, caused by rainfall overwhelming the capacity of drainage systems, such as storm sewers. 'Urban flooding' does not include flooding in undeveloped or agricultural areas."³³ A major concern with urban flooding is that it can be difficult to predict which areas have the highest risk, according to the summary report of the Urban Flooding Awareness Act, 90 percent of insurance payouts for urban flooding in Illinois occurred outside of FEMA's mapped 100-year floodplain. The report also states that mapping areas of urban flooding is not feasible on a statewide level and should be addressed by communities. Increased precipitation and urban flooding will also increase stormwater pollution. There are currently no counties in southern Illinois that have stormwater ordinances.

4.7.3. Riverine/Downstream Floods

Riverine floods occur along major rivers and develop more slowly. These floods typically form as a result of widespread, long-lasting rainfalls. Riverine floods in smaller tributaries can occur, but they often runoff and lead to larger downstream flooding. The lag between rainfall and elevated river levels provides more warning of an impending flood event, generally allowing for evacuation, some property protection, and other emergency measures to be made. Riverine

³³ IL General Assembly Public Act 098-0858 "Urban Flooding Awareness Act"

floods can have a wide variety of side effects, from immediate damage due to the force of water and debris moving to secondary and tertiary effects such as disruption of power and services, disease spread, change in hydrology of river channels, and many others³⁴. The total damages to human health, property, the economy, and the environment depend on the height, duration, and distribution of flood waters.

4.7.3.1. Flooding and Agriculture

Agriculture is a large component of southern Illinois's economy, especially along the Mississippi, Big Muddy, and Ohio rivers. Both flash and riverine floods can have major impacts on farming and ranching. More intense and frequent spring rains can delay planting, overly saturated soil can harbor harmful fungi and other microbes, and stormwater flow can erode necessary top soils. Long-term riverine floods can destroy a harvest completely, damage buildings and equipment, flood out pasture fields, and drown livestock.

4.7.4. Climate Change

Extreme precipitation is expected to increase with the warming climate, which in turn increases the frequency and intensity of floods. Springtime precipitation is expected to increase in southern Illinois by 10-15% by 2050, with Illinois already experiencing dramatic increases in extreme precipitation events over the past two decades³⁵. 2019 was the second wettest year ever documented in the U.S., with extreme flooding events occurring along the Arkansas, Missouri, and Mississippi river basins. These floods affected 15 states, and had an estimated combined cost of \$20 billion³⁶. The Mississippi River experienced its longest lasting flood in 2019, with river gauges at or above flood stage for record breaking periods in Iowa, Illinois, Mississippi, and Louisiana³⁷. Similarly, the Big Muddy River at Murphysboro (USGS Stream Gauge 05599490) was at or above flood stage (22ft) for a total of 143 days during 2019. Peak water height was recorded at 31ft on June 11, 2019³⁸.

4.7.5. Geographic Location and Historical Occurrences

The following tables show flood and flash flood records for Jackson County. Flood records for Jackson County begin at 1996.

There are 150 records of floods for the county, 42 of which caused property or crop damage.

There are 39 records of flash flood in the county, 18 of which caused property or crop damage.

³⁴ Nelson, S.A., "Flooding Hazards, Prediction, & Human Intervention", Tulane University, 2015.

³⁵ Frankson, R.K. et al., Illinois State Climate Summary, NOAA Technical Report, 2017.

³⁶ National Oceanic and Atmospheric Administration, "2019 was the 2nd wettest year on record for the U.S." January 8, 2020.

³⁷ Donegan, Brian, The Weather Channel, "2019 Mississippi River Flood the Longest-Lasting Since the Great Flood of 1927 in Multiple Locations" May, 22, 2019.

³⁸ USGS National Water Information System: Web Interface, USGS 05599490 Big Muddy River at RTE 127 at Murphysboro, IL

Table 4.29 - Flood events in Jackson County that caused property or crop damage

Location	Date	Property Damage	Crop Damage
AVA	3/18/2008	1800000	0
GRAND TOWER	1/1/2016	1000000	0
BOSKYDELL	5/1/2011	350000	0
GRAND TOWER	1/1/2016	250000	0
GRAND TOWER	6/1/2019	100000	50000
	5/1/1996	100000	0
JOHNS SPUR	5/1/2017	75000	0
GRAND TOWER	7/1/2019	50000	500000
GRAND TOWER	6/1/2011	50000	50000
MT CARBON	6/1/2019	50000	50000
	5/1/1996	50000	0
GRAND TOWER	5/1/2011	50000	0
GRIMSBY	5/1/2011	50000	0
GRAND TOWER	5/1/2019	50000	0
	4/22/1996	30000	30000
MURPHYSBORO	2/21/2018	30000	0
	3/1/1997	20000	0
	5/1/2002	15000	0
GRIMSBY	7/1/2019	10000	50000
MURPHYSBORO	6/2/2013	10000	10000
	6/17/2000	10000	0
MURPHYSBORO	3/19/2008	10000	0
	7/1/1998	5000	0
HARRISON	3/1/2018	5000	0
MURPHYSBORO	4/1/2018	5000	0
HARRISON	3/20/2020	5000	0
	5/1/1999	4000	0
	5/1/1999	4000	0
	6/1/1997	3000	0
	2/1/1999	3000	0
GRAND TOWER	7/1/2015	2000	25000
GRIMSBY	7/1/2015	2000	5000
	5/8/2002	2000	0
SAND RIDGE	12/1/2011	2000	0
MT CARBON	12/24/2013	2000	0
GRIMSBY	6/17/2015	2000	0

Source: NOAA Storm Events Database

Table 4.29 Continued

Location	Date	Property Damage	Crop Damage
GRAND TOWER	6/17/2015	1000	0
MURPHYSBORO	7/1/2008	0	50000
GRAND TOWER	5/1/2017	0	50000
GRIMSBY	6/18/2008	0	30000
MURPHYSBORO	9/13/2018	0	5000
MT CARBON	7/1/2010	0	1000

Source: NOAA Storm Events Database

Table 4.30 -Flash Flood Events in Jackson County that caused property or crop damage

Location	Date	Property Damage	Crop Damage
MURPHYSBORO	4/22/1996	30000	0
MURPHYSBORO	4/28/1996	100000	20000
MURPHYSBORO	5/10/1996	200000	0
COUNTYWIDE	4/15/1998	30000	0
NORTH PORTION	4/15/1998	20000	0
CARBONDALE	6/29/1998	100000	0
COUNTYWIDE	1/21/1999	100000	0
CARBONDALE	4/3/1999	4000	0
CARBONDALE	6/16/2000	20000	0
COUNTYWIDE	5/12/2002	10000	0
CARBONDALE	10/18/2004	3000	0
COUNTYWIDE	1/13/2005	5000	0
COUNTYWIDE	11/15/2005	50000	0
BARR	7/12/2011	5000	0
CARBONDALE	9/1/2012	30000	0
CARBONDALE	6/19/2015	10000	0
CARBONDALE	7/6/2016	2000	0
CARBONDALE	4/29/2017	100000	0

Source: NOAA Storm Events Database

4.7.6. Risk

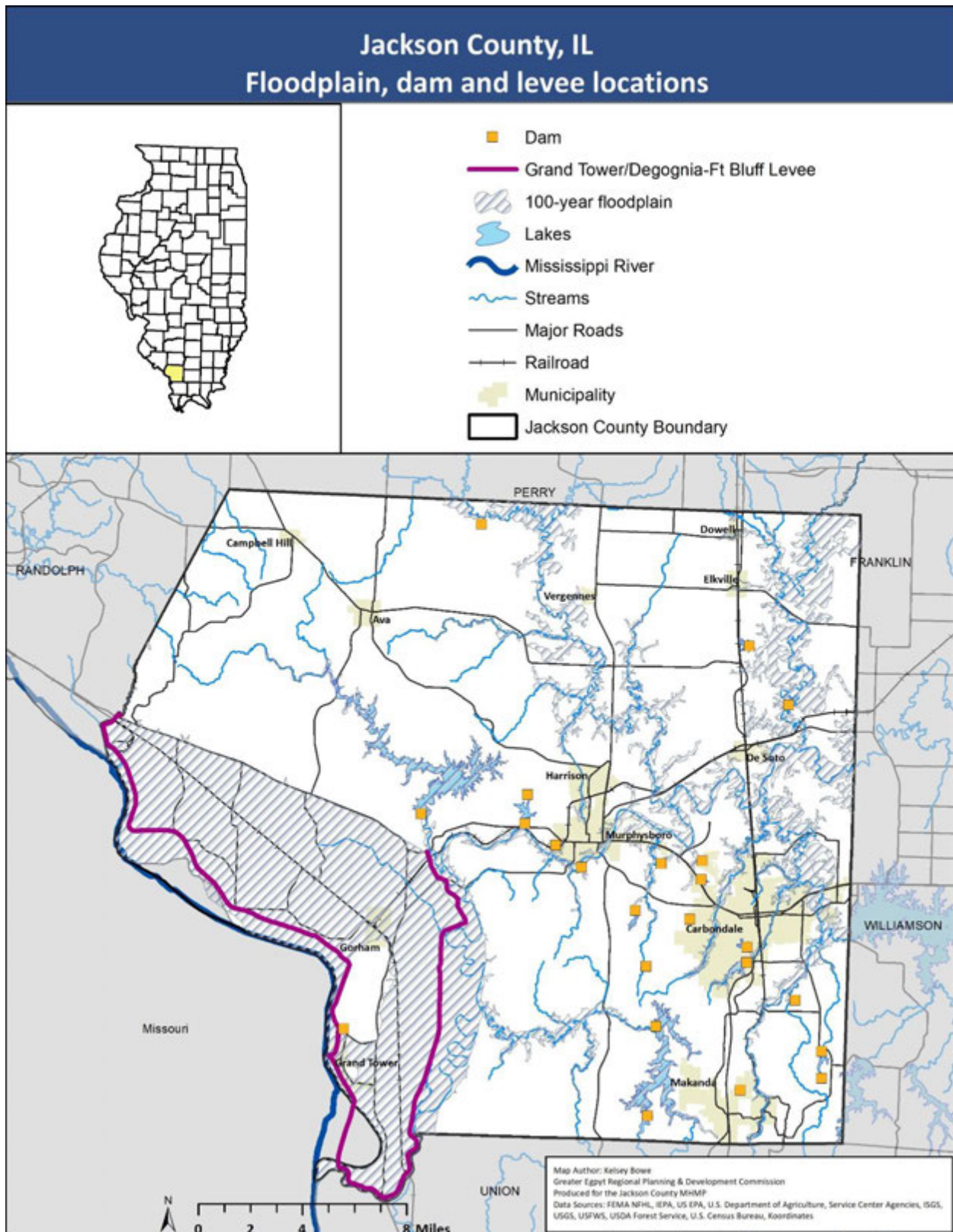
Flooding may occur anywhere during and following heavy precipitation events; In Jackson County, riverine floods are most likely to occur within the floodplains of the Mississippi and Big Muddy Rivers, as well as their larger tributaries such as Beaucoup Creek, Little Muddy River, and Crab Orchard Creek. Flash and urban floods are most likely to occur along low lying roadways and in areas with a high percentage of impervious surfaces- such as Carbondale and

Murphysboro. Historical data is lacking but based on records available, Jackson County experiences 6 floods and at least 1 flash flood every year; this is expected to worsen with climate change.

There are two essential facilities in Jackson County that are within the 100-year floodplain: Gorham Volunteer Fire Department and Grand Tower Fire Department. However, both of these facilities are protected by the Grand Tower/Degognia-Fountain Bluff Levee System.

Figure 4.13 shows the 100-year floodplain, dam and levee locations, and major water bodies of Jackson County.

Figure 4.13



4.8. Hazardous Materials Release

4.8.1. Hazard Description

Hazardous materials release can take many forms, a general definition is the unintentional release of any material that may cause harm to human health or the environment or cause damage to critical facilities. Areas at highest risk of hazardous materials release are factories and warehouses where chemicals and other dangerous materials are produced or stored, major transportation routes including railways and interstate highways, and mines.

Depending on the type of incident and material released, the extent of such a hazard can range from mild chemical spills to dangerous explosions.

As per the Federal Emergency Planning and Community Right to Know Act (EPCRA) of 1986, IEMA implemented a statewide Hazardous Materials Emergency Planning Program in which any facility that uses or stores threshold amounts of federally mandated substances must report annually to state and local officials, and must immediately report any releases that occur.

4.8.1.1. Train Derailments

Being in the central of the US, Illinois is a vital part of the transportation industry. The state has over 9,000 miles of railroads; with over 1,300 trains passing through Chicago every day³⁹. Illinois leads the nation in number of carloads originating and terminating in the state each year, and has the second highest number of freight rail employees in the country. Additionally, millions of passengers use Amtrack services in the state each year.

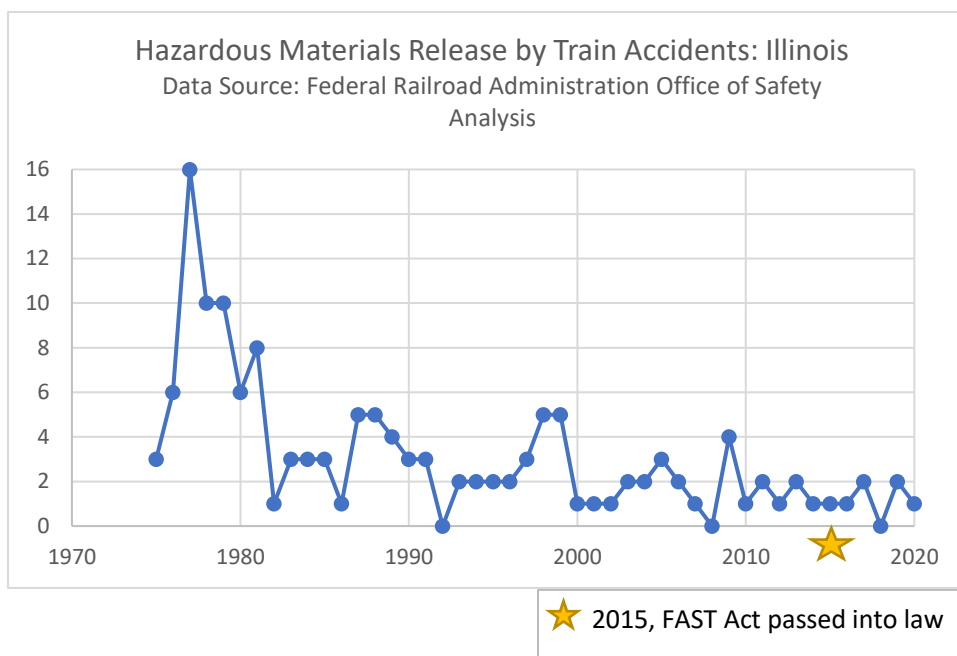
Railway safety continues to improve in the United States. The Fixing America's Surface Transportation (FAST) Act of 2015 created new standards for tank cars that carry crude oil, ethanol, and other flammable liquids. These new tank cars, called DOT-117s and replace the older DOT-111 model. They are required to be built with thicker shells and shields, a ceramic thermal protection layer to prevent fire, and a fiberglass insulation layer to keep products at steady temperature and further reduce probability of tank punctures⁴⁰. As of 2018, all DOT-111 crude oil tanks have been replaced. By 2023, all ethanol tanks will be phased out, and by 2025 all other tanks that carry flammable materials will be phased out of service⁴¹. Figure 4.14 shows number of train accidents that caused HazMat release in Illinois from 1975-2020.

³⁹ "Rail System" Illinois Department of Transportation

⁴⁰ Department of Transportation "'Enhanced Tank Car Standards and Operational Controls for High-Hazard Flammable Trains" Final Rulemaking"

⁴¹ Railway Supply Institute "HM-251/FAST Act Timeline"

Figure 4.14



4.8.1.2. Acid Mine Drainage

Acid mine drainage is caused by surface mining, most often for coal. When coal deposits are 100ft or less below the ground, surface mining is the most cost-effective way to extract it. This process involves stripping the surface materials (overburden) away, removing the coal, and refilling the pit back with the overburden. Surface mining is incredibly disruptive to the environment, accelerating the chemical breakdown of minerals and chemicals in the soil. When iron sulfide is exposed to air and water, ferrous sulfate and sulfuric acid are produced and drained into water bodies. Acidic water often dissolves metals present in sediments, including aluminum, iron, manganese, arsenic, cadmium, mercury, and zinc⁴². Sulfate loadings (and secondarily, concentrations of dissolved metals) are directly related to the area of land mined in southern Illinois. It was estimated in 1982 that about 3,500 tons of sulfate per square mile of surface mined land enter streams annually in the Big Muddy and Saline watersheds¹¹. Some surface mines in these areas have since closed down, so the numbers may be lower today.

Surface coal mines are found in Gallatin, Jackson, Jefferson, Johnson, Perry, Pope, Randolph, Saline, and Williamson counties (see section 4.7 for more details on coal mining)

⁴² L.G. Toler "Some Chemical Characteristics of Mine Drainage in Illinois" GEOLOGICAL SURVEY WATER-SUPPLY PAPER 2078, US Department of the Interior, 1982.

4.8.2. Geographic Location and Historical Occurrences

The most recent IEMA public report on hazardous materials spills includes incidents from 1987-2011. During these years there were 217 reported incidents for Jackson County, with the vast majority being spills of gasoline, diesel fuel, or crude oil⁴³.

There have been 2 train derailments in Jackson County since 1972 (Based on articles found in The Southern Illinoisian archives), neither of the incidents involved release of hazardous materials.

4.8.3. Risk

Transportation routes with the highest risk of hazardous materials release include state highways and all active railroads.

Other areas of high risk include factories and warehouses that use or store hazardous chemicals, hospitals, colleges, and universities that may store large amounts of cleaning supplies and other hazardous chemicals, and farms that store large amounts of fertilizer, herbicides, or pesticides.

It is not possible to calculate probability of HazMat release events for the county without a more detailed study. Transportation of HazMat materials varies daily, weather and age of equipment (vehicles/trains/pipelines) are also factors.

Jackson County EMA and LEPC maintain an updated list of hazardous materials storage sites. Requests for information can be made anytime to:

Jackson County Local Emergency Planning Committee
Jackson County Courthouse
1001 Walnut Street
Murphysboro, IL 62966
618-684-3137

⁴³ Data.illinois.gov "IEMA Hazardous Materials Spills"

4.9. Drought and Excessive Heat

4.9.1. Hazard Description

There are many different definitions of drought, but in general the term refers to conditions in which below average rainfall occurs and leads to water shortage problems in a given area. There is no official length of time for the conditions listed to be considered a drought, but they are generally measured in terms of weeks or growing seasons and may last over the span of several years⁴⁴.

Drought conditions are often accompanied and exacerbated by extreme heat events. Elevated temperatures result in faster rates of evaporation. This results in worsening of drought conditions and decreased soil moisture content. Drought and extreme heat conditions can negatively impact agricultural productivity, urban and natural landscapes, and human health. Severity of drought events depends on duration and geographical extent of the conditions and can also be affected by land use demands, landcover, and water supply.

4.9.2. Specific Impacts

4.9.2.1. Human Health:

Heat Cramps- Muscular pains and spasms due to heavy exertion, is usually the first sign a person is experiencing heat-related illness.

Heat Exhaustion- Typically occurs when people have been exercising or working strenuously in hot, humid environments. Heavy sweating leads to rapid loss of body fluids, blood flow to the skin increases while blood flow to vital organs decreases- resulting in a form of mild shock. If left untreated, the victim may suffer from a heatstroke.

Heat and Sun Stroke- A life-threatening condition. The body's ability to produce sweat and cool itself stops working; body temperature can rise so high that brain damage and death may result if the victim is not treated quickly⁴⁵.

4.9.2.2. Urban:

Urban areas can suffer more from high temperatures than surrounding landscapes due to the Heat Island Effect, where built structures including roads and buildings absorb and re-emit the sun's energy more than natural landscapes. Urban areas can be 1-7°F warmer in the day and 2-5°F warmer during the night than outlying areas⁴⁶. Trees and other vegetation provide shade and moisture, which keep areas cooler. In comparison, a parking lot absorbs heat and evaporates less water- leading to elevated temperatures. Side effects of living in urban heat islands can include higher home energy bills, increased exposure to air pollution, and higher risk of heat-related illness. Urban heat islands tend to have higher greenhouse gas emissions and impaired water quality.

⁴⁴ "Droughts: Things to Know" Water Science School, USGS

⁴⁵ 2015 plan

⁴⁶ U.S. Environmental Protection Agency. 2008. Reducing urban heat islands: Compendium of strategies. Draft. <https://www.epa.gov/heat-islands/heat-island-compendium>.

4.9.2.3. Agriculture:

Severe drought can stress plants and disrupt normal growing cycles, leading to less productive crops and grazing pasture. This can cause many issues for ranchers, during droughts feed prices go up and cattle prices can plummet⁴⁷.

Prolonged drought combined with areas of heavy agriculture can also exacerbate groundwater/aquifer depletion. When groundwater is pumped for crop irrigation (along with other uses) faster than precipitation can recharge the water storage, the water table will lower. If the water table drawdown is significant, wells can run dry in peoples' home, costs associated with pumping water increase, and in severe cases land subsidence may occur. This is an issue in Southwest and Great Plains states⁴⁸ and some areas of Chicago suburbs⁴⁹, but is less of a concern for southern Illinois.

4.9.2.4. Natural Landscapes:

Forested areas have increased risk of wildfires during droughts and extreme heat. Wildfires are necessary for some natural processes, but when they get out of control wildlife populations can drop to unhealthy levels, habitat loss can be great, and risk of fire spreading to human residences increases. Additionally, uncontrolled fires in natural areas may damage recreational areas such as campgrounds and picnic areas- leading to economic losses in the tourism industry.

Drought and excessive heat can severely harm freshwater habitats. Prolonged periods of both raise water temperature, increasing the risk of Harmful Algal Blooms (HABs). HABs in freshwater systems are usually a result of cyanobacteria, a type of blue-green algae that can reproduce, or bloom, rapidly in nutrient-rich warm waters such as ponds and reservoirs. Cyanobacteria occur naturally across the US, but HABs only occur under certain conditions. The other major factor that increases risk of HABs are fertilizer runoff from agricultural and urban areas.

Some but not all cyanobacteria produce toxins that cause skin irritation and can be deadly if ingested. Swimming and even playing on beaches are not recommended during HABs. Additionally, the EPA recommends waiting two weeks after a HAB ends before eating fish from the waterbody. Other side effects from HABs include lowered dissolved oxygen and increased turbidity of water, which can lead to die-offs of fish, invertebrates, and submerged freshwater plants. Drought can also dry up water bodies completely, with small streams and shallow wetlands being most at risk. This can result in loss of populations of freshwater organisms and altered community structure. The economic impacts from HABs can be significant, causing public beach closures and damaging fishery populations. One EPA report from Ohio estimated that a HAB caused an estimated loss of over \$37million from decreased tourism.

⁴⁷ Larson, Debra "Drought Impacts on the Cattle Industry" University of Illinois Animal Sciences

⁴⁸ "Groundwater depletion across the nation" USGS factsheet, 2003.

⁴⁹ Mannix et al., "Groundwater Depletion in Chicago's Southwestern Suburbs" Illinois State Water Survey

4.9.3. Climate change

Evidence suggests that the frequency and severity of droughts in the U.S. will increase with climate change; in the Midwest specifically, droughts are expected to occur in late summer months.⁵⁰ Increases in temperature, precipitation, and evaporation will continue in Illinois, leading to frequent and more intense floods and droughts⁵¹.

4.9.4. Geographic Location and Historical Occurrences

There are 11 records of excessive heat in Jackson County from 2010-2019 and 23 records of drought from 1998-2012. One drought in southern Illinois lasting through the month of September in 2007 caused \$3,450,000 in crop damage across all of the counties affected⁵².

Southern Illinois is home to many lakes, often surrounded by agriculture fields; creating ideal conditions for HABs in late summer. Illinois EPA has a statewide HAB testing and monitoring program, but data with locations of specific blooms are not available from their webpage. IEPA recommends ceasing aquatic recreation activities when Microcystin levels are greater than 10ug/L.

4.9.5. Risk

Jackson County has equal risk for heat waves and drought events. Excessive heat may be exacerbated in urban areas due to the heat island effect. HABs are most likely to occur in small ponds and lakes, or in shallow stagnant fingers of larger reservoirs. There are not enough historical records to calculate an accurate probability for drought and extreme heat, but they are expected to increase with climate change.

⁵⁰ Angel, J. et al. 2018: Midwest. In Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II U.S. Global Change Research Program, Washington, DC, USA, pp. 872–940.

⁵¹ "Climate Change in Illinois" Illinois State Water Survey/Prairie Research Institute

⁵² NOAA Storm Events Database

4.10. Dam and Levee Failure

4.10.1. Hazard Description

Dams and levees are both river engineering structures used to control the path and movement of water. Reservoirs created from damming waterways are used for flood control, recreation, storing municipal water supply, and various other purposes. Dam failure can be a significant hazard to surrounding communities depending on the size of the reservoir, age, and structural integrity of the dam in question.

Most dam failures are caused by overtopping (floods that exceed the capability of the dam), internal erosion, and mechanical failure. Because there is so much variation and uncertainty, it is difficult to predict if or when a dam will fail. Detailed risk assessments are not available for all dams in the United States, although the average rate of large dam (greater than 40ft in height) failure in the US is 0.0001 dams/year⁵³ This rate does not take into account any factors other than dam height and age and should not be used as a replacement for detailed risk assessments performed on individual dams.

The risk of an incident or failure depends of many factors including height of the dam, size of reservoir, age of dam, and frequency of floods and seismic events that can weaken the structural integrity of dams. The amount of damage also depends on the amount or type of infrastructure and number of people living in the potential hazard zone.

Levees are used to contain a river or waterbody to a certain area, protecting the area behind from flooding events. Most large river levees in the U.S. were built by the United States Army Corps of Engineers (USACE) and are maintained by local levee commissions. 97% of levees are earthen embankments, the remaining 3% are concrete and rock levees as well as floodwalls⁵⁴.

Issues that can lead to levee breaches include, seepage, undersizing from floods, erosion, damage from tree roots and burrowing animals, and development projects near the levee. In cases of severe floods, levees can also be overtopped. Levee systems also pose a unique issue to riverine flooding. While they are designed to protect communities and property from flood events, the structures themselves can also exacerbate flood events downstream. Levee systems make river channels narrower, when heavy precipitation occurs the water flows faster and higher than it would without the structures in place.

There are many outdated and deteriorating infrastructures in the U.S. including dams and levees. The average age of all dams in Illinois is 53 years. The American Society of Civil Engineers (ASCE) gives the total of Illinois's infrastructure a grade of C-, with dams receiving a C.⁵⁵ This grade is mostly due to aging systems, increased usage, and inadequate funding to inspect, maintain, and repair infrastructures.

⁵³ Ferrante et al. "Uncertainty Analysis for Large Dam Failure Frequencies Based on Historic Data" nrc.gov

⁵⁴ "Overview of Levees" 2021 Report Card for America's Infrastructure

⁵⁵ Illinois Section of the American Society of Civil Engineers "Report Card for Illinois Infrastructures", 2018.

Jackson County also contains wing dams (sometimes called dikes, deflectors, or jetties) in the Mississippi River. These structures are perpendicular to the river channel and generally made of rip-rap (concrete pieces or large rocks), wooden piles, or a combination of both. They are designed to direct the flow of water to maintain a certain channel depth for barge traffic and other navigation.

There are over 13,000 wing dams on the river, and most of them are concentrated in the Middle Mississippi (St. Louis to Cairo). Erosion and breaching of wing dams are not necessarily a risk for people and property, but researchers have argued these structures make flooding worse, especially with climate change⁵⁶. Since they make the river channel narrower, when floods occur the water levels are higher than they would be without the structures. The USACE claims wing dams do not alter flood regimes and do not affect aquatic habit or species distributions⁵⁷. There is not much research on the subject, and more studies need to be conducted to confirm either claim⁵⁸. Emergency Management officials and other local leaders should be aware of all potential flood risks for their communities in order to make informed decisions.

Figure 4.15: The top portion of a wing dam visible in the Mississippi River near Cape Girardeau, MO.



The extent of dam failure can be defined in terms of percentage of the structure that fails, the area of land that was flooded, or the monetary value that was damaged as a result of the event.

4.10.2. Climate Change

As of the most recent National Climate Assessment, there are no comprehensive climate change related risk assessments for water infrastructure of the U.S.⁵⁹. Increased frequency in severe weather can put extra stress on dams, levees, and other water infrastructure, leading to increased risk of breaches and other damages. 2019 was the wettest year ever recorded in the U.S., which led to the longest lasting flood recorded for the Mississippi River. The longer levees

⁵⁶ Pinter, N. et. al, "Flood trends and river engineering on the Mississippi River system", Geophysical Research Letters, 2008.

⁵⁷ Stewart, B., "Redirecting the River" The Southern Illinoisian, August, 28, 2011.

⁵⁸ Stewart, B., "Flood Questions Unanswered", The Southern Illinoisian, December, 24, 2011.

⁵⁹ Lall, U.T. et. Al. 2018: Water. In Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II U.S. Global Change Research Program, Washington, DC, USA, pp. 145–173.

are saturated, the weaker they become. In 2019, over 80 levees systems were overtopped or breached, with 700 miles of damage across 6 states⁶⁰.

4.10.3. Geographic Location and Historical Occurrences

There is a federal database of dam and levee locations maintained by the USACE. Jackson County has 36.57 miles of levees, maintained by the Grand Tower Levee District and the Degognia-Fountain Bluff Levee District. The Grand Tower/Degognia Levee System was last inspected by the USACE in 2017 and was ranked as having a moderate risk. The levee system is Non-Accredited by FEMA, meaning the height of the levee is not expected to protect the area in the event of a 1% chance annual flood (100-year flood).

In 2013 the Grand Tower Levee District had a drainage pipe failure, conditions were too wet to repair the damage until 2021, the project cost \$1.5 million. In addition to direct levee damage, Grand Tower has had issues with seepage water causing sinkholes⁶¹ and floodwaters damaging Devil's Backbone Campground⁶², both a result of the 2019 floods (also described in section 4.7).

The USACE National Dams inventory lists 23 dams in Jackson County (table 4.32), seven of which have a high hazard potential. They have an average age of 55 years. None of the dams in Jackson County are used for hydropower. All of the dams are regulated and inspected by Illinois Department of Natural Resources (IDNR), Little Cedar Dam on Cedar Lake is regulated by both IDNR and the U.S. Forest Service.

Dam hazard potential is not the probability of failure, rather it is an estimation of the types and cost of damages that would occur in the event of failure. High hazard potential dams would likely cause loss of human life; in addition, large economic loss, environment and utility damages are also expected. Significant hazard potential would lead to heavy economic loss, environmental damage, or disruption of lifeline facilities but no deaths. Low hazard potential dams would have very small economic damage, typically limited to the owner's property⁶³.

Many dams have an Emergency Action Plan (EAP) although it is not currently required by USACE or any Illinois regulatory agency. EAPs list potential emergency situations and have detailed instructions to be followed to minimize loss of life and damage to facilities and surrounding properties in the event of a dam failure or other emergency⁶⁴.

There are incident databases for dams maintained by the Association of Dam Safety Officials (ASDSO) and the National Performance of Dams Program (NPDP). From these databases, only 1 incident was reported for Jackson County. The incident recorded occurred on January 6, 1999 at Cedar Lake Dam, no other details are available.

⁶⁰ Lieb, D, "AP: States brace for long-term flood fight as damages mount", AP News, 2019.

⁶¹ Parker, M, "Massive sinkhole in Grand Tower related to historic flooding of 2019" The Southern Illinoisian, June 11, 2020.

⁶² News 3 "Cleaning Devil's Backbone after flooding" August 11, 2019

⁶³ FEMA, "Federal Guidelines for Dam Safety", April 2004.

⁶⁴ Illinois Dam Safety Report 2018

A recent example of a dam failure in the Midwest occurred in May 2020 in Midland County, Michigan. Edenville dam, owned by Boyce Hydro Power company, failed after heavy rains produced a 500-year flood event. The earthen dam was originally constructed in 1925. Old age, the need for a series of repairs, and pressure from the rising reservoir caused the sand embankment to liquefy⁶⁵, leading to the failure. 10,000 people had to be evacuated, 2,000 homes, multiple businesses, and several roads and bridges were damaged. The Federal Energy Regulatory Commission (FERC) had issued the owner multiple violations from 2005-2015; and in 2018 revoked their hydroelectric license entirely for lack of compliance with repair requests and failure to meet safety standards. 2019-2020 consisted of a series of permitting arguments and lawsuits between Boyce Hydro and the State, but repairs were never completed⁶⁶. The reservoir size was 66,200 acre-feet, for comparison Kinkaid Lake in Jackson County is 153,000 acre-feet.

4.10.4. Risk

Risk area for dam failure depends on the size of the reservoir. The area that could be flooded is known as the dam breach inundation area. Risk area for levee failure includes the floodplain that is protected by the levee system. Probability of dam or levee failure varies considerably. Factors including age of the structure, repair history, and weather must be taken into account. Detailed probabilities do not exist for the dams in Jackson County.

⁶⁵ House, K, "Report: Shoddy construction, ignored threats led to Edenville Dam collapse", Bridge Michigan, September 2021.

⁶⁶ Roth, C, "Timeline: The Edenville Dam saga, before, during and after the break" MLive.com, September 2020.

Table 4.32 - List of Dams for Jackson County, IL

Dam Name	Location	River	Year Completed	Hazard Potential	EAP
CARBONDALE RESERVOIR DAM	CARBONDALE	PILES FORK	1926	High	Y
CHAUTAUQUA LAKE DAM	MURPHYSBORO	TRIB MUD CREEK	1965	High	Y
KINKAID LAKE DAM	GRIMSBY	KINKAID CREEK	1972	High	Y
SPRING ARBOR LAKE DAM	DESOTO	SYCAMORE CREEK	1972	High	Y
CEDAR LAKE DAM	RATTLESNAKE FERRY	CEDAR CREEK	1974	High	Y
DEER LAKE DAM	POMONA	TRIB BIG MUDDY RIVER	1985	High	N
STONE CREEK GOLF CLUB LAKE DAM	BOSKYDELL	TRIB DRURY CREEK	2001	High	Y
CAMPUS LAKE DAM	CARBONDALE	TRIB PILES FORK	1869	Significant	Y
LAKE MURPHYSBORO DAM	SAND RIDGE-OFFSTREAM	TRIB BIG MUDDY RIVER	1947	Significant	Y
BORGSMILLER LAKE DAM	MURPHYSBORO	BIG MUDDY RIVER-OFFSTREAM	1970	Significant	N
CARBON LAKE DAM		TRIB BIG MUDDY RIVER		Significant	N
GRAND TOWER STATION ASH POND	GRAND TOWER	MISSISSIPPI RIVER - OFFSTREAM		Significant	N
ELKVILLE COUNTRY CLUB RESERVOIR DAM	DESOTO	TRIB LITTLE MUDDY RIVER	1947	Low	N
NEW THOMPSON LAKE DAM	MURPHYSBORO	TRIB BIG MUDDY RIVER-OFFSTREAM	1957	Low	N
LAKE HENRY DAM	MURPHYSBORO	TRIB BIG MUDDY RIVER	1963	Low	N
LITTLE CEDAR	NONE	CEDAR LAKE	1969	Low	NR
LITTLE LAKE DAM	ORAVILLE	TRIB BIG MUDDY RIVER	1970	Low	N
LAKE INDIAN HILLS DAM	CARBONDALE	TRIB INDIAN CREEK	1980	Low	N
CONSOL/BURNING STAR 5/SLURRY IMPOUNDMENT	DESOTO	TRIB LITTLE MUDDY RIVER	1989	Low	N
AQUACULTURE LAKE DAM	POMONA	TRIB SYCAMORE CREEK	1991	Low	Y
CARBONDALE PARK DISTRICT GOLF COURSE DAM	POMONA	TRIB BIG MUDDY RIVER	1992	Low	N
KNIGHT HAWK COAL/CREEK PAUM MINE/POND 2 DAM	VERGENNES	TRIB GALUM CREEK	2007	Low	N
KAIBAB PARTNERS DAM	MURPHYSBORO	MUD CREEK		Low	N

Data Source: USACE National Inventory of Dams

4.11. Cyberattacks

4.11.1. Hazard Description

Cyberattacks are any unauthorized attempt to access or damage a computer or network system⁶⁷ The extent and impacts can vary widely depending on the motivations of the attacker. Common results of a cyberattack include:

- Monetary theft
- Identity theft including loss of personal, medical, business, and/or financial records
- Loss of access to computers, phones, and Bluetooth devices

Cyberattacks can be conducted on a large scale and are also a threat to businesses and government agencies. The Cybersecurity & Infrastructure Security Agency (CISA) (A Federal agency within the Department of Homeland Security formed in 2018) states that a growing concern in the United States is the cybersecurity of critical infrastructure. Facilities and infrastructure such as power grids and transportation routes are linked to cyber space in a number of ways, and our growing reliance on such technologies also increases risk of cyberattacks.

One method of cyberattack that is becoming increasingly common is the use of ransomware. This is a type of malware used to encrypt files, or render them unusable. These cyber attackers will then demand a ransom in return for decryption of the files, often with a threat of selling or releasing the files to another party⁶⁸. Cybersecurity continues to be a top priority for the current administration, and bipartisan legislation is being written to require mandatory federal reporting of all ransomware attacks, although there are ongoing debates as to whether or not the U.S. should ban ransom payments⁶⁹

CISA provides guides for business and local government leaders to learn about and begin implementing cybersecurity protocols within their organizations. The CISA Cyber Essentials Starter Kit includes six major actions that organizations should provide to build a culture of cyber readiness⁷⁰:

- Leader: drive cybersecurity strategy and investment
- Staff: develop security awareness and vigilance
- Systems: protect critical assets and applications
- Surroundings: ensure only authorized users have access to digital workplaces
- Data: undergo scheduled backups to avoid data losses
- Crisis Response: develop and test incident response plans to limit damages and restore normal operations quickly

⁶⁷ Ready.gov Cybersecurity

⁶⁸ CISA "Ransomware Guidance and Resources"

⁶⁹ Bajak, Frank "Ransomware gangs get paid off as officials struggle for fix" Associated Press, June 21, 2021.

⁷⁰ Cybersecurity & Infrastructure Security Agency "Cyber Essentials Start Kit: The Basics for Building a Culture of Cyber Readiness" 2021.

In addition to federal resources, the Illinois Attorney General's office has a data breach reporting system for businesses and governments, as well as an identity theft hotline for all Illinois residents.

4.11.2. Geographic Location and Historical Occurrences

Cyberattacks are a continuous national threat. They can occur at any time to individuals, businesses, and government agencies. Cases of identity theft more than doubled from 2019-2020, with a 2,920% increase in cases of victim information being used to apply for government benefit programs⁷¹. According to the EMSISoft State of Ransomware in the U.S. report, in 2020 there were ransomware attacks on 113 federal, state, and municipal governments, 560 healthcare facilities, and 1,681 schools, colleges, and universities⁷². The report states that these figures are likely understatements. They also state that the data come from multiple sources, although these sources are not listed.

The most recent cyberattack in the U.S. that gained national attention was the ransomware attack on Colonial Pipeline in May of 2021. The company provides gasoline to 13 states and Washington D.C., with 260 delivery points along the pipeline route. A criminal group locked up the pipeline company's corporate network. The company went offline and shut down their pipeline upon learning of the attack, and later paid a \$4.4 million ransom to decrypt their data network. The day following the pipeline shutdown, over 9,500 gas stations ran out of fuel; the company was able to resume operations in a little less than a week⁷³.

Some recent cyberattacks in the state of Illinois are listed below:

- 2017- Data from Marion County Jail was removed including names, addresses, and social security numbers of former inmates⁷⁴
- 2021- SIU School of Medicine lost patient data in the cyber-attack on Accellion's File Transfer Appliance⁷⁵
- April-May 2021- Ransomware attack on the IL Attorney General's office, loss of case files and court records⁷⁶

4.11.3. Risk

Cyberattacks can be difficult to predict and may be targeted at individuals, businesses, or government offices. Systems that do implement cybersecurity protocols, or have outdated, weaker protection are more at risk.

⁷¹ Skiba, Katherine, "Pandemic Proves to Be Fertile Ground for Identity Thieves" AARP, February 5, 2020; Federal Trade Commission Consumer Sentinel Network Data Book 2020

⁷² EMSISOFT Malware Lab "State of Ransomware in the US: Report and Statistics for Q1 and Q2 2020" July 8, 2020

⁷³ Bussewitz, Cathy, "Colonial Pipeline confirms it paid \$4.4M to hackers" May 19, 2021 Associated Press.

⁷⁴ "MARION COUNTY JAIL ADVISES FORMER INMATES OF DATA BREACH, POSSIBLE IDENTITY THEFT" X95radio news

⁷⁵ Davis, Jessica "Trillium, SIU Medicine Added to Tally of Accellion FTA Breach Victims" HealthITSecurity.com

⁷⁶ Goudie, Markoff, Tressel, and Weidner, "Cyber attack on Illinois Attorney General's office appears far worse than first thought", May 4, 2021, abc7chicago news.

4.12. Terrorism

4.12.1. Hazard Description

Terrorist attacks can take many forms, and stem from foreign or national groups or individuals. There are several types of terrorism that are potential threats to the United States⁷⁷:

4.12.1.1. Attacks in public places

This hazard includes active shooters, intentional vehicle crashes, bombs and any other method of mass attack.

4.12.1.2. Bioterrorism

Bioterrorism involves the use of biological agents to harm or kill people, animals, or crops. Agents that may be used as biological weapons include bacteria, viruses, or other toxins.

The CDC maintains a list of potential biological weapons at

<https://emergency.cdc.gov/agent/agentlist.asp>

4.12.1.3. Chemical attack

Similar to bioterrorism, this involves agents designed to harm people, animals, or crops. There are many different chemicals that may be toxic in vapor, liquid, or solid form.

4.12.1.4. Explosions

Explosive devices can come in many sizes and may be carried by individuals (suicide bombers), in vehicles, or hidden and detonated remotely.

4.12.1.5. Nuclear Explosions

These weapons use nuclear reactions to create explosions and may be incredibly destructive. Nuclear devices can be as large as missiles or small enough to be concealed and carried around.

4.12.1.6. Radiological dispersion device

RDDs are designed to scatter sub-lethal amounts of radioactive material with conventional explosive devices.

4.12.1.7. Other

Other acts of terrorism could include assassination, kidnapping, lynching, sabotage, and rioting.

4.12.2. Geographical Locations and Historical Occurrences

The events on September 11, 2001 was the deadliest single-day terrorist attack in U.S. history. There have been no large-scale attacks in the State of Illinois in recent decades; although gun violence continues to be an issue in many areas. It is difficult to report exact numbers of mass shootings in Illinois or for the whole country as definitions vary by agency. One report from USA Today states 350 “mass killings” occurred in the U.S. from 2006-2017, with 23 of the incidents being from Illinois⁷⁸.

⁷⁷ Ready.gov

⁷⁸ USA Today “Behind the Bloodshed” <https://www.gannett-cdn.com/GDContent/mass-killings/index.html#title>

4.12.3. Preparedness and survival

While it can be difficult to predict terrorist attacks, there are general steps that can be taken to stay safe. It is recommended to always have exit plans when outside of the home. This includes public places, work, and school. Suspicious packages should be reported instead of being opened. Seeking shelter and contacting law enforcement is the best course of action in the event of any attack. In the case of possible chemical, biological, or nuclear attacks it is imperative to find shelter and stay inside until it is announced safe from potential side effects⁷⁹.

Schools and workplaces should have emergency plans in place in the event of any emergency, including terrorist attacks.

The Illinois Terrorism Task Force (ITTF) is an advisory body to the Governor, The Governor's Homeland Security Advisor, and IEMA. They provide guidance for establishing and maintaining long term solutions to the threat of terrorism. The ITTF annual reports and other policies can be found at <https://www2.illinois.gov/iema/ITTF/>.

4.12.4. Risk

ITTF, IEMA, and County EMA Officials are in charge of monitoring terrorism risk in Illinois. Mass shootings could occur anywhere at any time; and have happened in a variety of places across the United States, including schools, grocery stores, churches, and many other locations.

⁷⁹ Ready.gov "Disasters and Emergencies"

4.13. Ground Failure

4.13.1. Hazard Description

Ground failure may refer to any consequence of shaking that affects the stability of the ground⁸⁰. In southern Illinois this is usually caused by subsidence of the land due to sinkholes from karst features or underground mines.

4.13.1.1. Karst

Karst is a type of topography where soluble bedrock (also called carbonate rock) exists. There are different types of soluble bedrock, the most common found in Illinois are limestone and dolomite. Sinkholes form when an area of karst does not have external surface drainage of stormwater. Instead of flowing into waterbodies, rain infiltrates deep into the soil and can dissolve the bedrock over a period of years to decades. As the rock dissolves and forms cracks, soil particles sink into the bedrock and can eventually form visible depressions in the ground. This formation acts as a funnel for stormwater, speeding up formation of the sinkhole. In some cases, the top soil layer will not sag, and instead form a bridge over the void, or shallow cave, that has been forming as the bedrock dissolves. These soil bridges can collapse suddenly and without warning, also leading to sinkholes. Sinkhole collapse usually occurs after intense storm events, but can also occur with severe drought or other causes of water table alteration⁸¹.

While karst sinkholes form naturally, they can be exacerbated by human influence on the landscape. Structures that alter natural drainage and increase stormwater runoff such as paved roads and parking lots, construction sites, and roof downspouts are all examples.

4.13.1.2. Underground Mining

Mining has been a part of Illinois's economy since the state was settled. Mined resources include lead, zinc, fluorites, shale, clay, stone, limestone, dolomite, and coal. Commercial coal mining began around 1810, and since then over 7,400 coal mines have been operated in the state. Much of Illinois contains coal-bearing rock strata.

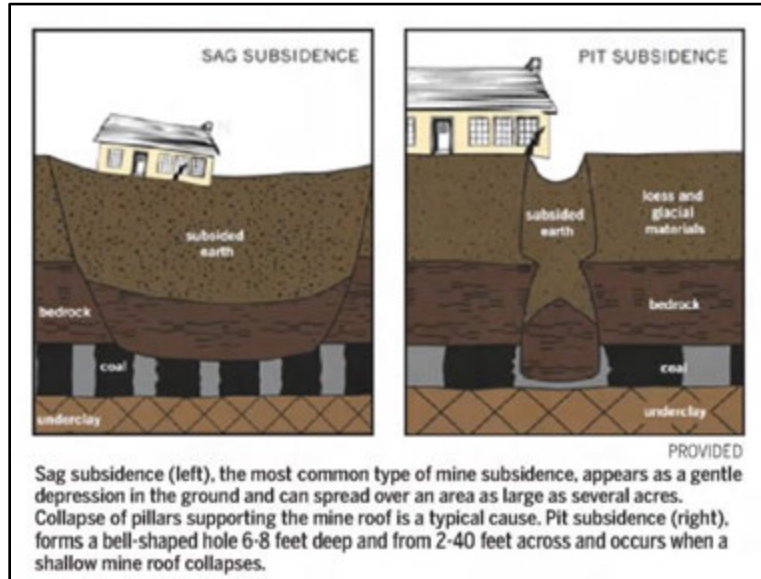
There are two main types of mine subsidence that may occur. Pit subsidence usually occurs over shallow mines (less than 100ft deep) where bedrock is thin (less than 50ft thick) or composed of weak minerals such as shale. Pits form when the roofs of these shallow mines cave in, and the ground materials above it collapse. This type of subsidence can occur rapidly, the resulting pits are usually 6-8ft deep and less than 16ft across⁸². Sag or trough subsidence occurs when pillars of mine shafts collapse, the size of the subsidence can vary widely depending on how many pillars fall. Sag subsidence may be hundreds of feet long and affect several acres of property. Instead of a single, deep pit forming; sag subsidence produces a low depression in the ground over a large area. Both can cause significant building and property damage.

⁸⁰ "ground failure", Earthquake Glossary, USGS.

⁸¹ White, W.B., "Geomorphology and Hydrology of Karst Terrains", Oxford University Press, New York, 1988.

⁸² Bauer, R.A., "Mine Subsidence in Illinois: Facts for Homeowners" Illinois State Geological Survey, Prairie Research Institute, 2013.

Figure 4.16: Diagrams of mine subsidence



Source: Illinois Mine Subsidence Insurance Fund

4.13.2. Geographic Location and Historical Occurrences

Many towns and residences are built on top of or adjacent to underground mines. Therefore, there is always a risk of land subsidence on such properties. Additionally, many abandoned mines do not have historical records or were never adequately mapped. The Illinois State Geological Survey (ISGS) provides a free interactive map online to search for underground mine locations throughout the state⁸³ (see figures 4.14 and 4.15). This mapping tool is up kept updated with mine records and areas of suspected abandoned mine sites. While a useful tool to search for mine sites in your area, the ISGS states there may be inaccuracies, and landowners concerned about subsidence on their property should contact their insurance company.

There is no national or state database with records of ground failure events, however some records have been found from local news sources, these are displayed in table 4.27.

4.13.3. Risk

Areas most at risk for ground failure are highly developed areas over abandoned mines or karst bedrock (figures 4.17 and 4.18). Karst areas with known sinkholes exist along the western border of Jackson County. Coal mine areas are concentrated around the Murphysboro area, and the northeast section of the county.

⁸³ "Illinois Coal Mines", Illinois State Geological Survey, Prairie Research Institute, <https://isgs.illinois.edu/illinois-coal-mines-ilmines>.

The following essential facilities may be on top of underground coal mines, based on the ISGS mine dataset, but detailed assessments would need to be conducted to confirm the mine locations and assess risk of subsidence.

- Carruthers Elementary School
- Murphysboro High School
- Dowell Village Police Department
- St Joseph Memorial Hospital
- Dowell Volunteer Fire Department

The following facilities are in areas with limestone bedrock, but they are not within areas of known sinkholes. Risk of karst sinkholes is likely low.

- Grand Tower (Tower Rock) Fire Department
- Grand Tower Water Treatment Plant

The city of Grand Tower has also experienced sinkholes as a result of flood seepage and levee problems, see sections 4.7 and 4.10.

Probability of ground failure is not possible to calculate at the county scale; boundaries and ages of abandoned coal mines are not known for all areas. Factors such as bedrock types, surface structures and construction activities, and water seepage may affect sinkhole formation and other types of ground failure.

Table 4.33 – Ground failure records from southern Illinois

County	Municipality	Year	# of subsidence events	Type	Diameter	Depth	Other notes	Date	Source
Perry	Du Quoin	1954	1	Mine	50ft		Occurred at 202N Line St, abandoned section of Jupiter Coal and Coke Co mine	December 1954	The Southern, Dec 15, 1954
Franklin	Zeigler	1970	1	Mine	no visible hole formed	NA	mine squeeze- ceiling of mine collapses and ground above shifts, Zeigler No 1 mine, closed in 1948, cracks and other damage to several buildings, street, and water mains	September 1970	The southern, Sept 25, 1970
Williamson	Energy	1979	2	Mine			NW part of village	1979	The Southern, Jun 22, 1981, 3
Williamson	Energy	1981	1	Mine	100ft		Sycamore road closed; water line snapped	March 1981	The Southern, March2, 1981 1
Williamson	Energy	1981	1	Mine	25ft	50ft	Energy village park, formed near playground, took several days to fill, Taylor No1 coal mine	June 1981	The Southern, Jun 22, 1981, 3
Williamson	Energy	1981	1	Mine	25ft	15ft	Energy village park, formed near playground, filled with dirt the day it was discovered, Taylor No 1 coal mine	May 1981	The Southern, Jun 22, 1981, 3
Franklin	Sesser	1986	1	Mine	5ft	27ft	suspected to be caused by subsidence of Old Ben 21 mine, blocked city's sewer system	February 1986	The Southern, Feb 07, 1986, E21
Jackson	Dowell	1986	1	Mine			entire block on NW part of village, multiple areas sinking, hole has been visible since 1971	Oct 1986	The Southern, Oct 10, 1986
Williamson	Energy	1992	1	Mine	20ft	12ft	Energy village park	January 1992	The southern, Jan 15, 1992 5W
Union	Dongola	1993	3	Karst	10ft,10ft,	6ft, 6ft, 50ft	Sinkholes were filled with water, holding the land up, construction of a new well drew down the water table, causing the surface to collapse into the holes	March-May 1993	The southern, June 14, 1993, 3A
Williamson	Cambria	1996	1	Mine	22 by 12 ft	81ft	Madison coal co No 12 mine shaft	April 1996	The Southern Apr 27, 1996 A3
Williamson	Johnston City	2007	1	Mine	NA	NA	active mine roof collapsed from moisture, no workers injured, Mach Mine	September 2007	The Southern, Sep 13, 2007
Jackson	Grand tower	2012	2	Levee pipes burst		deepest 19.5 ft		June 2012	the southern June 17, 2013,1
Jackson	Grand Tower	2020	1	Karst	30ft	5ft	sinkhole formation sped up by flooding on Mississippi, caused sewers to back up, road closures	June 2020	The Southern, June 11, 2020 A3
Perry	Du Quoin	2020	1	Mine	8ft	14ft	Smith Ave	February 2020	Benton News, Feb 29, 2020
Williamson	Carterville	2020	1	Mine	25ft	15ft		2020	Benton News, Feb 29, 2020
Franklin	Macedonia	2020	1	Mine	Planned longwall subsidence	NA	road closures on I-14	June 2020	The Southern, Jun 18,2020 A3

Figure 4.17

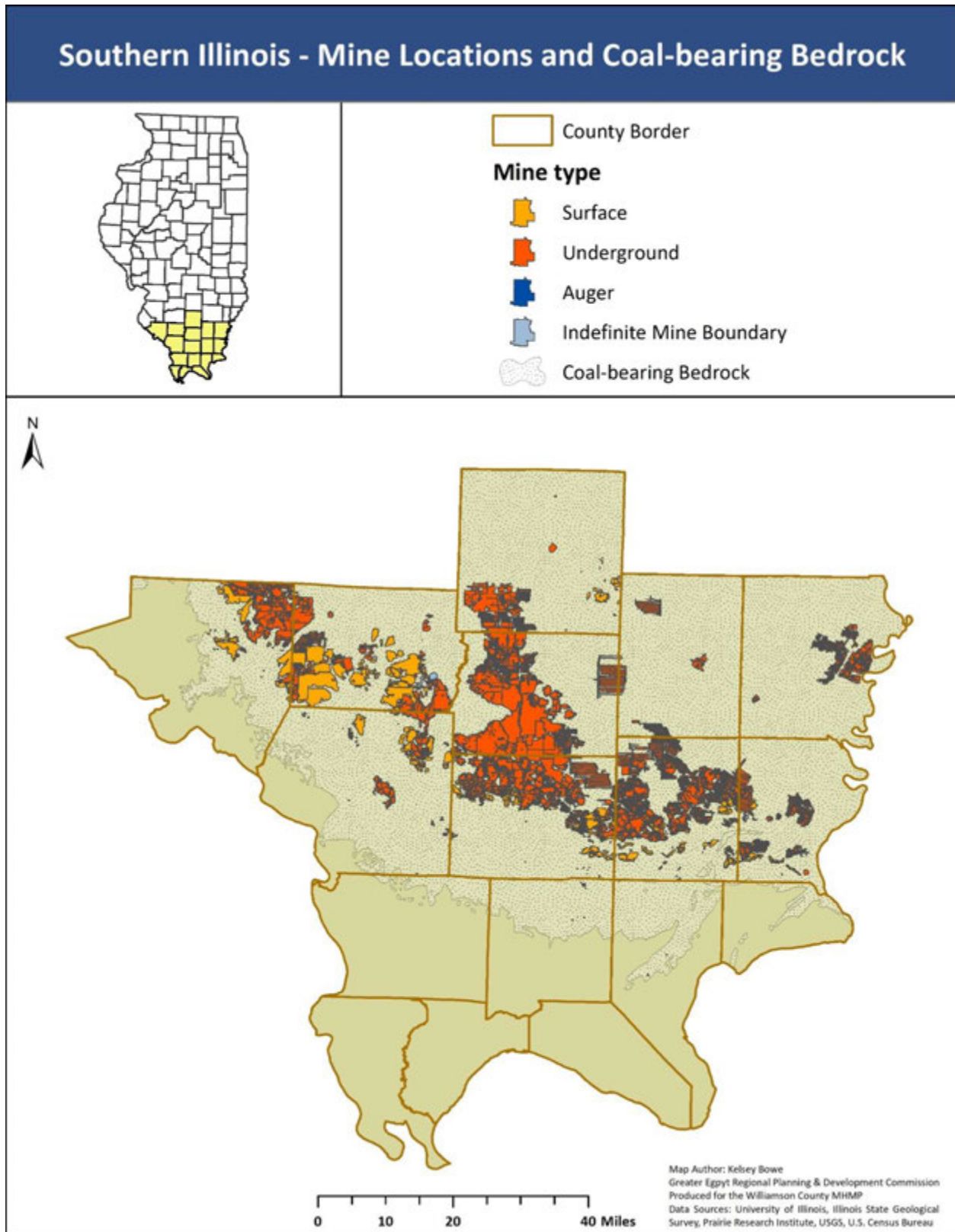


Figure 4.18

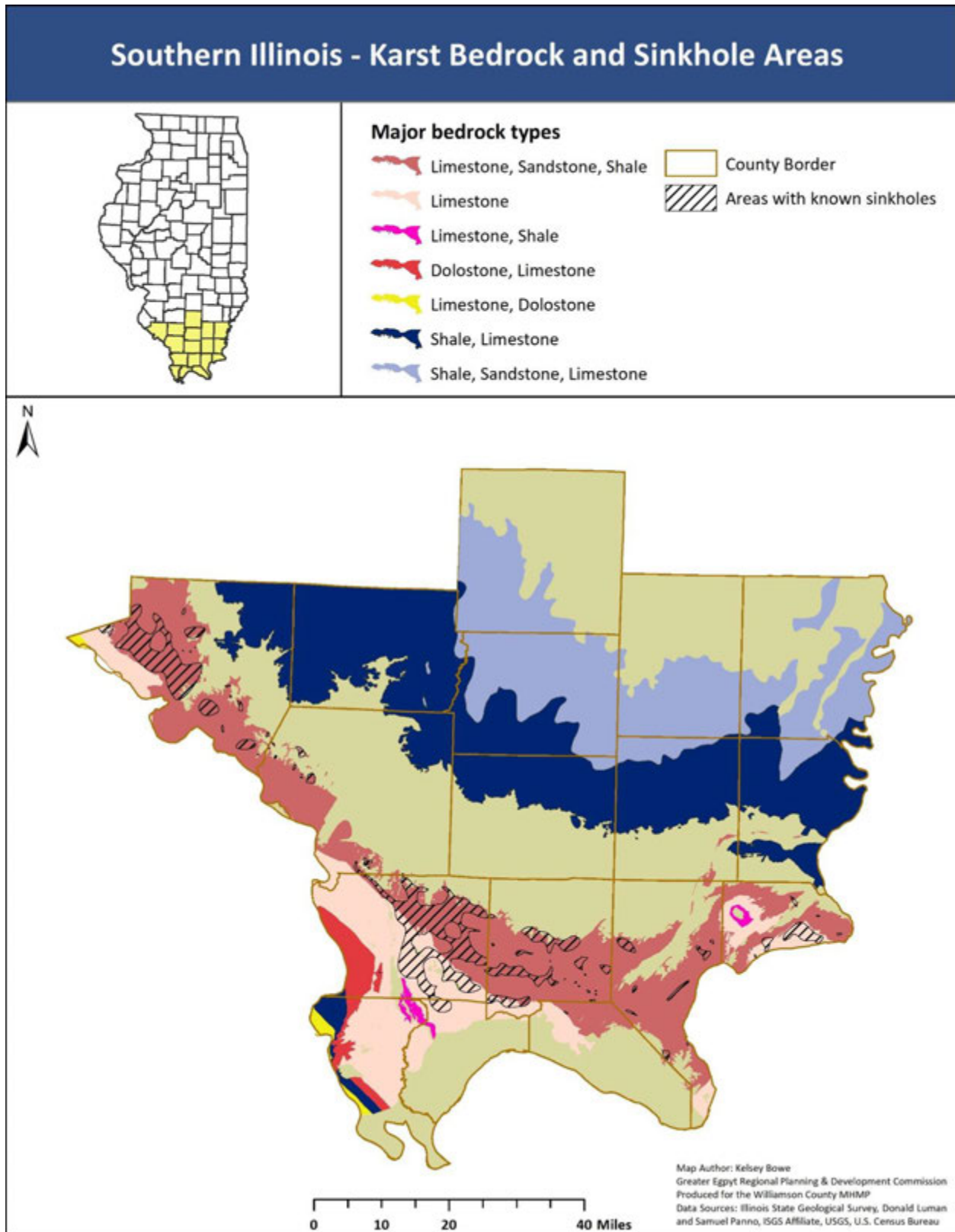
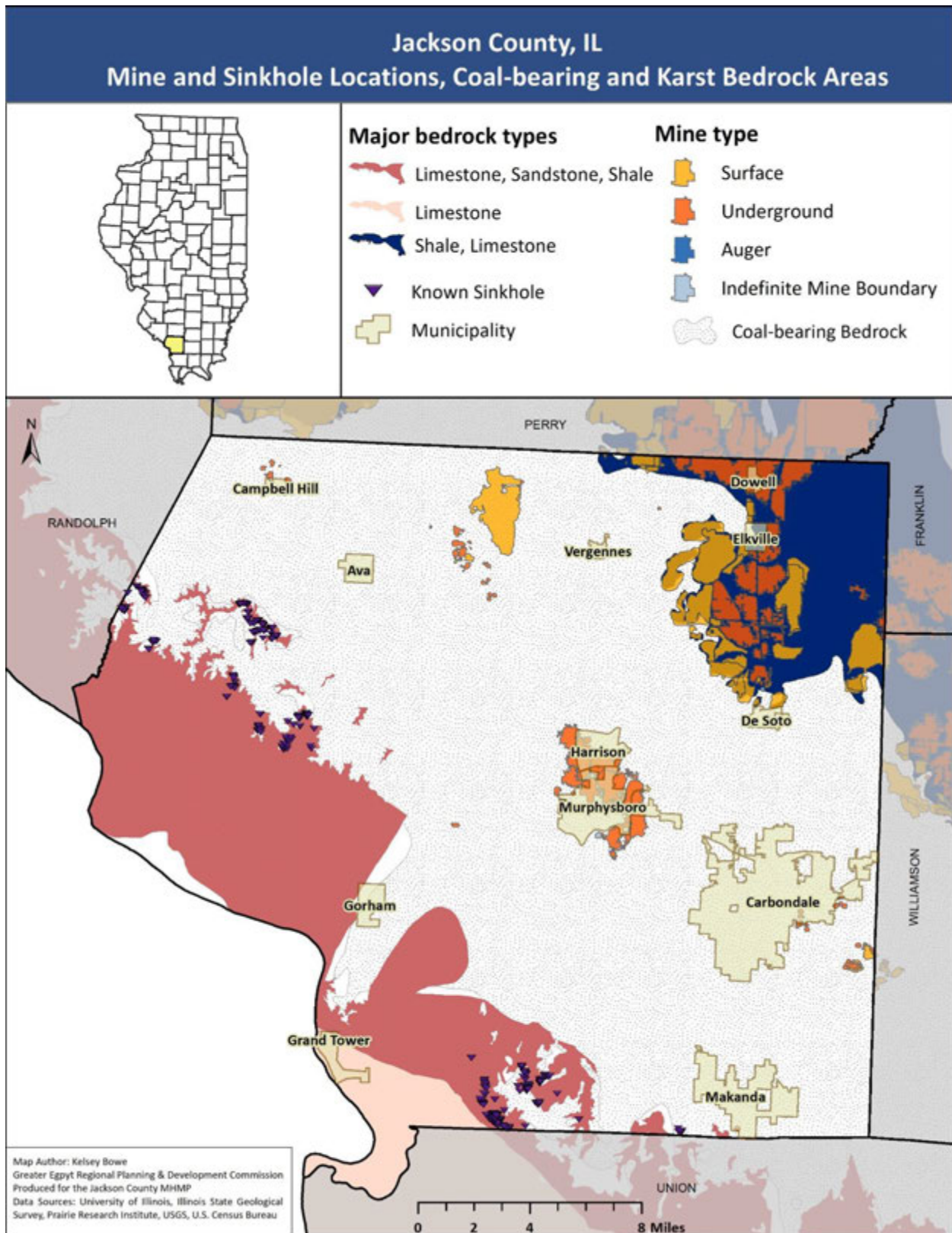


Figure 4.19



4.14. Utility Disruptions and Power Outages

4.14.1. Hazard Description

This hazard includes short or long-term loss of essential utilities. Essential utilities include electricity, natural gas, potable water supply, wastewater treatment, and communication services (phone and internet). Constellation Energy Company lists the following as the 10 most common causes of power outages⁸⁴:

- Severe weather
- Motor vehicle accidents
- Equipment failure
- Fallen trees
- Wildlife interference
- High energy demand
- Construction work damage
- Public damage (accidental and vandalism)
- Cyberattacks
- Planned outages

Impacts from utility disruptions can range from temporary inconveniences to a widespread public crisis. Loss of power during heat waves or winter storms can lead to weather related deaths. Loss of access to clean water for extended periods can lead to sickness and death. Inoperable communication towers and traffic signals can affect the efficiency of first responders. Local economies may suffer from loss of revenue and inability to pay workers during business closures.

4.14.2. Geographic Location and Historical Occurrences

Utility companies do not make historic records of outages and other issues publicly available. However, residents can search for and report currently active outages from both Ameren Illinois and Egyptian Electric Cooperative. Municipal water companies will publicly post current boil water orders when they occur. Additionally, the IEPA requires water suppliers to inform their customers of water outages and maintenance events that might disturb sediments containing lead.

4.14.3. Risk

Since power outages and other utility disruptions can be caused by a variety of factors, it is difficult to determine risk. In general risk of this hazard is highest during severe weather, and utility lines along highly trafficked roads have a higher risk of being damaged than those in more rural areas. There is also higher risk for older equipment to fail and cause outages.

⁸⁴ "10 common causes of power outages" Constellation, 2021.

4.15. Near Earth Object Impact

4.15.1. Hazard Description

Near Earth Objects, or NEOs, are any small Solar System Body that comes into proximity with Earth. This can include comets, asteroids, and meteoroids. NEOs are considered potentially hazardous if they are over 459 feet in diameter and their orbit crosses the orbit of Earth. In general, anything smaller than that is expected to burn up in the atmosphere⁸⁵ (although small meteorites do sometimes make contact with the surface).

For clarification a meteoroid is a very small solar system body, usually a piece that broke off of a comet or asteroid. A meteor is a meteoroid that enters Earth's atmosphere, and a meteorite is a meteor that lands on the surface.

The United States and other nations have been undergoing projects to scan for and assess the risk of NEOs since the 1990s under the umbrella term "Spaceguard".⁸¹ The National Aeronautics and Space Administration (NASA) Center for NEO Studies (CNEOS) utilizes Sentry, "a highly automated collision monitoring system that continually scans the most current asteroid catalog for possibilities of future impact with Earth over the next 100 years."⁸⁶ NEOs discovered are ranked on the Palermo and Torino scales. These scales give the NEO a hazard rating based on the probability of impact and the estimated damage. As of January 2019, 19,470 NEOs have been discovered; of these 107 are comets and the rest are asteroids⁸⁷.

4.15.2. Geographic Location and Historical Occurrences

There are over 160 known impact craters on the surface of the Earth. Two notable locations are Meteor Crater in Arizona and the Chicxulub Crater in Mexico. Meteor Crater was caused an estimated 50,000 years ago by a meteorite around 150 ft in diameter. The crater is 550 ft deep and nearly a mile wide. The Chicxulub Crater is located in the Gulf of Mexico, just off the coast of the Yucatán Peninsula. The asteroid which caused the crater hit Earth an estimated 66 million years ago, and is widely accepted as the cause of the mass extinction event which led to the demise of the non-avian dinosaurs.

There have been 10 meteorites in Illinois, four from observed falls and the rest were discoveries⁸⁸. The largest of these is known as the Tilden meteorite, which fell on July 13, 1927. It split into three fragments while still in the atmosphere, and landed in three separate counties. The largest of the fragments weighed 110 pounds⁸⁹. The most recent observed meteorite fall occurred in 2003.

4.15.3. Risk

NEO impact could occur anywhere, the county has equal risk. Table 4.34 below shows approximate impact probability (interval) and damage for different size classes of NEOs. MT

⁸⁵ NASA.gov "NASA on the Prowl for Near-Earth Objects" May 25, 2004.

⁸⁶ "Sentry: Earth Impact Monitoring", NASA Jet Propulsion Laboratory, Center for Near Earth Object Studies.

⁸⁷ NASA CNEOS "Discovery Statistics"

⁸⁸ "Meteorites from Illinois" Washington University in St Louis: Earth and Planetary Sciences

⁸⁹ Cargile, Clint, "This Week In Illinois History: Stars Fell On Illinois (July 13, 1927)" WNJI New, Northern Public Radio, July 12, 2021.

stands for megatons, which refers to the chemical energy release of a million tons of TNT. Actual risk varies greatly, data on individual NEOs can be viewed from the “Impact Risk Data” table from the CNEOS website.

Table 4.34 - Approximate Average Impact Interval and Impact Energy for NEOs

Type of Event	Characteristic Diameter of Impacting Object	Approximate Impact Energy (MT)	Approximate Average Impact Interval (years)
Airburst	25m	1	200
Local scale	50m	10	2000
Regional scale	140m	300	30,000
Continent scale	300m	2,000	100,000
Below global catastrophe threshold	600m	20,000	200,000
Possible global catastrophe	1km	100,000	700,000
Above global catastrophe threshold	5km	10,000,000	30million
Mass extinction	10km	100,000,000	100million

Source: The table is adapted from Table 2.1 in “Defending Planet Earth: Near-Earth Object Surveys and Hazard Mitigation Strategies” published by the National Academy of Sciences in 2010.

4.16. Wildland fires

4.16.1. Hazard Description

While not as severe or frequent as wildfires in the western United States, Illinois does experience both prescribed and unintentional wildland fire throughout the state. From 2002-2014, Illinois experienced an average of 57 fires per year with an average of 881 acres burned per year⁹⁰. Wildfires are a naturally occurring phenomenon, and can be vital to ecosystem health. Fire is an especially important tool in managing Illinois's remnant tallgrass prairies. The term "wildfire" is used to describe any wildland fire that is unwanted and unplanned. Wildfire usually starts from human caused activities, mostly campfires that spread rapidly. They can also start naturally under the right conditions, or stem from prescribed management fires that get out of control. The extent of a wildfire is generally defined by the number of acres that burned. This is influenced by weather, topography, and amount of fuel available.

4.16.2. Geographic Location and Historical Occurrences

The most recent wildfire to occur in southern Illinois occurred in March 2021 in the Shawnee National Forest Fountain Bluff area. The fire burned about 27 acres. Other small wildfires have occurred in the Shawnee throughout the years, and prescribed management burns take place seasonally, with schedules and alerts available from the National Forest webpage.

4.16.3. Risk

Jackson County has an 81% risk of wildfire to homes by the state ranking system, and 21% by the national rank. There is a 91% wildfire hazard potential by state rank and a 18% wildfire hazard potential by national rank⁹¹.

Risk is highest in camping areas and along the Wildland Urban Interface (WUI). Risk is elevated during droughts and high wind. Many state and federal natural areas have fire danger signs posted that are adjusted daily

⁹⁰ "Wildfires" Living With Weather, mrcc.illinois.edu

⁹¹ "Community Wildfire Defense Grant Risk Dataset" Wildfire Risk to Communities, 2022.

4.17. Landslides

4.17.1. Hazard Description

Parts of Illinois have a medium to high landslide potential. While these events in Illinois are usually on a smaller scale than landslides in the west, they have been known to cause significant property and infrastructure damage. Most landslides in Illinois are not life threatening. ISGS defines 6 types of landslides that occur in our state⁹²:

- **Rock falls-** These occur when blocks of rock fall freely from a steep slope or cliff. Blocks of loess or till that fall from an undercut bluff face are also considered rock falls. Rock falls are most common along bedrock bluffs of the Mississippi river.
- **Slumps** - Slumps occur when a mass of rocks or earth move down along one or more buried failure planes. Almost 60% of recorded landslides in IL were slumps.
- **Rock slump** – usually a permeable bedrock such as limestone sliding on underlying impermeable bedrock, such as shale.
- **Earth slump** – fine textured glacial materials that slide after failure planes form.
- **Earth slumps on bedrock-** Mass of glacial material sliding down bedrock – often shale, usually caused by water percolating the glacial material until reaching the impermeable shale.
- **Earth flows-** Any flow of sand or unconsolidated earth material
- **Rock creeps-** Blocks of rock that slide slowly over a gentle slope, generally very slow and takes place over the course of years.

4.17.2. Geographic Location and Historical Occurrences

The most recent inventory of landslides in southern Illinois was completed in 1992. During this inventory, ISGS identified 221 landslides that occurred along the Mississippi and Ohio Rivers from Chester to Olmstead⁹³. Most of the identified landslides were considered ancient landforms that had occurred during seismic activity of the New Madrid Seismic Zone. Besides earthquakes, heavy rainfall and alteration of risk areas, such as construction projects along bluffs and shorelines can also lead to landslides in southern Illinois.

4.17.3. Risk

Risk of landslide depends on a number of factors including depth and type of bedrock, depth and type of materials overlaying bedrock, slope angle, precipitation, freeze and thaw cycles, and vegetation. Most landslides in Illinois occur near Lake Michigan, and the Mississippi, Illinois, and Ohio Rivers; Jackson County has some areas of high risk, see figure 4.17 for a map of landslide probability in the state.

⁹² Killey, Hines, and DuMontelle "Landslide Inventory of Illinois" Illinois Department of Energy and Natural Resources, State Geological Survey Division, 1985.

⁹³ Wen June S, "Inventory of landslides in southern Illinois near the New Madrid Seismic Zone and the possible failure mechanism at three sites", Journal Volume: 24:7; Conference: 1992 annual meeting of the Geological Society of America (GSA), 1992.

Figure 4.20: Landslide potential in Illinois



Source: ISGS

4.18. Invasive Species and Infestations

4.18.1. Infestations

An infestation usually refers to a home, business, or farm being overrun or invaded by pests or parasites. This hazard can be caused by native and nonnative species. Home infestations can have a risk of disease spread from the pests. Infestations in agriculture can take many forms and may result in diseased crops or significant loss of crop from pests feeding in large numbers.

The CDC lists the following household pests as potential disease vectors and human health hazards⁹⁴:

- Rodents
- Cockroaches
- Fleas
- Flies
- Fire ants
- Mosquitos
- Termites are also listed as a household threat for the amount of property damage an infestation can cause. In the U.S., termites cause more property damage annually than fires and windstorms combined.

4.18.1.1. Agricultural Infestations

The University of Illinois State Water Survey has a degree day calculator and seasonal maps for estimating peak emergence of common agriculture invertebrate pests, see table 4.35⁹⁵:

Other animals that may cause enough crop damage to be considered an infestation are feral hogs, white-tailed deer, rodents, and birds. Fungal or viral infections and weeds may also be considered agricultural infestations.

⁹⁴ Marshall, Carter L MD "Chapter 4: Disease Vectors and Pests" CDC Healthy Housing Reference Manual

⁹⁵ "Pest Degree Day Calculators" Illinois State Water Survey: Prairie Research Institute

Table 4.35 – Agricultural Invertebrate Pests of Illinois

Pest	Native Species?
Alfalfa Weevil	no
Armyworm	yes
Bean Leaf Beetle	yes
Black Cutworm	yes
Corn Earworm	yes
Corn Rootworm	yes
European Corn Borer	no
Stalk Borer	yes
Two-spotted Spider Mite	found worldwide, original geographic distribution thought to be Eurasia
Western Bean Cutworm	native to western U.S., has been spreading east
Apple Maggot	yes
Codling Moth	found worldwide, origins unclear
Colorado Potato Beetle	native to Rocky Mtns
Emerald Ash Borer	no
European Red Mite	no
Fruit Tree Leafroller	yes
Grape Berry Moth	no
Oriental Fruit Moth	no
Peachtree Borer	yes
Potato Leafhopper	yes
San Jose Scale	no
Spotted Wing Drosophillia	no
Squash Vine Borer	yes
Brown Marmorated Stink Bug	no
Corn Flea Beetle	yes
Japanese Beetle	no

Source: University of Illinois State Water Survey

4.18.2. Invasive Species

Invasive species are any organism non-native in an ecosystem whose introduction causes or is likely to cause harm to the economy, environment, or human health (Executive Order 13112). Illinois defines exotic weeds as plants not native to North America that when planted, spread vegetatively or naturalize and degrade natural communities, reduce the value of fish and wildlife habitat, or threaten Illinois endangered or threatened species (525 ILCS 10).

Invasive plants and invertebrates can cause significant property damage, decrease crop yields, decrease value of timber stands, as well as disrupt natural communities and impact forest health. Similarly, aquatic invasive species can alter ecosystem structure, decrease water quality, and damage infrastructure. Zebra mussels can be particularly destructive; they breed profusely (a single female may produce 1million eggs/year) and attach to any hard surface in large clusters. Zebra mussels can clog intake pipes of water treatment and power facilities, costing millions of dollars in repair and cleanup⁹⁶.

Adopted in 2016, The National Invasive Species Management Plan identifies actions to prevent, eradicate, and control invasive species. It also lists guidelines for restoring ecosystems and other areas affected by invasive species⁹⁷.

Illinois has many exotic and invasive species. The Illinois Exotic Weed Act lists 26 species of plant that are illegal to buy, sell, offer to sell, distribute or plant seeds, plants, or parts of plants unless issued a permit by IDNR (Table 4.36). There are many other exotic and invasive plants in Illinois that are not covered by this law, as well as exotic and invasive animals (Tables 4.37, 4.38) Note that these tables may not be complete lists as many species are lacking observation data; additionally, game and agriculture species that are intentionally released (such as honeybees and brown trout) are not included.

⁹⁶ "Exotic Aquatic Invertebrates in Illinois" Illinois Department of Natural Resources.

⁹⁷ "National Invasive Species Management Plan", USDA National Invasive Species Information Center

Table 4.36 - Plants Listed in the Illinois Exotic Weed Act

Common Name	Scientific Name
Amur honeysuckle	<i>Lonicera maackii</i> (Rupr.) Herder
Autumn olive	<i>Elaeagnus umbellata</i> Thunb.
Bohemian knotweed	<i>Reynoutria x bohemica</i> Chrtek & Chrtková
Buckthorn	<i>Rhamnus arguta</i> Maxim.
Chinese buckthorn	<i>Rhamnus utilis</i> Dcne.
Common buckthorn, European buckthorn	<i>Rhamnus cathartica</i> L.
Dahurian buckthorn	<i>Rhamnus davurica</i> Pallas
Giant hogweed	<i>Heracleum mantegazzianum</i> Sommier & Levier
Giant knotweed	<i>Reynoutria sachalinensis</i> F. Schmidt ex Maxim.
Glossy buckthorn	<i>Frangula alnus</i> Mill.
Japanese buckthorn	<i>Rhamnus japonica</i> Maxim.
Japanese honeysuckle	<i>Lonicera japonica</i> Thunb.
Japanese knotweed	<i>Reynoutria japonica</i> Sieb. & Zucc.
Kudzu	<i>Pueraria montana</i> var. <i>lobata</i> (Willd.) Maesen & S. Almeida
Lesser celandine, fig buttercup	<i>Ficaria verna</i> Huds.
Morrow's honeysuckle	<i>Lonicera morrowii</i> Gray
Multiflora rose	<i>Rosa multiflora</i> Thunb.
Oriental bittersweet	<i>Celastrus orbiculatus</i> Thunb.
Poison hemlock	<i>Conium maculatum</i> L.
Purple loosestrife	<i>Lythrum salicaria</i> L.
Russian olive	<i>Elaeagnus angustifolia</i> L.
Sweet breath of spring	<i>Lonicera fragrantissima</i> Lindl. & Paxton
Tamarisk	<i>Tamarix</i> spp. L.
Tatarian honeysuckle	<i>Lonicera tatarica</i> L.
Teasel	<i>Dipsacus</i> spp. L.
Thorny olive	<i>Elaeagnus pungens</i> Thunb.

Table 4.37 -Terrestrial Invasive Animal Species

Common Name	Scientific Name
wild boar (feral hog)	<i>Sus scrofa</i>
Eurasian collard dove	<i>Streptopelia decaocto</i>
European starling	<i>Sturnus vulgaris</i>
emerald ash borer	<i>Agrilus planipennis</i>
Japanese beetle	<i>Popillia japonica</i>
nightcrawler	<i>Lumbricus terrestris</i>
southern worm	<i>Aporrectodea trapezoides</i>
woodland white worm	<i>Octolasion tyrtaeum</i>
soybean aphid	<i>Agrilus planipennis</i>
Asian longhorned beetle	<i>Anoplophora glabripennis</i>
gypsy moth	<i>Lymantria dispar</i>

Sources: IDNR, Invasive.org

Table 4.38 - Aquatic Invasive Animal Species

Common Name	Scientific Name
zebra mussel	<i>Dreissena polymorpha</i>
Asian clam	<i>Corbicula fluminea</i>
spiny water flea	<i>Bythotrephes longimanus</i>
rusty crayfish	<i>Orconectes rusticus</i>
bighead carp	<i>Hypophthalmichthys nobilis</i>
Silver carp	<i>Hypophthalmichthys molitrix</i>
common carp	<i>Cyprinus carpio</i>
goldfish	<i>Carassius auratus</i>

Sources: IDNR, Invasive.org

4.18.3. Geographic Location and Historical Occurrences

There are not detailed databases that track outbreaks and spread of every pest or invasive species. Agricultural resources and technical assistance can be found from various groups, including the National Resources Conservation Service (NRCS) and University of Illinois Extension offices.

IDNR and National Forest Service provide information about invasive species that harm our native ecosystems, and occasionally provide updates on current projects to manage or remove invasives.

4.18.4. Risk

Risk of infestation or spread of invasive species is variable. Factors include location, time of year, and weather.

5. Mitigation Strategies

“The purpose of mitigation planning is for State, local, and Indian tribal governments to identify the natural hazards that impact them, to identify actions and activities to reduce any losses from those hazards, and to establish a coordinated process to implement the plan, taking advantage of a wide range of resources.” Stafford Act Title 44, Chapter 1, Part 201.

This chapter will review current mitigation strategies and ordinances, and list new suggestions for further hazard mitigation. The Jackson County Planning Team worked to develop these strategies specific to each jurisdiction based on the MHMP goals listed below:

Goal 1: Lessen the impacts of hazards to new and existing infrastructure

<i>Objective:</i>	Retrofit critical facilities and structures with structural design practices and equipment that will withstand natural disasters and offer weather-proofing.
<i>Objective:</i>	Equip public facilities and communities to guard against damage caused by secondary effects of hazards.
<i>Objective:</i>	Minimize the amount of infrastructure exposed to hazards.
<i>Objective:</i>	Evaluate and strengthen the communication and transportation abilities of emergency services throughout the county.
<i>Objective:</i>	Improve emergency sheltering in Jackson County.

Goal 2: Create new or revise existing plans/maps for Jackson County

<i>Objective:</i>	Support compliance with the NFIP for each jurisdiction in Jackson County.
<i>Objective:</i>	Review and update existing, or create new, community plans and ordinances to support hazard mitigation.
<i>Objective:</i>	Conduct new studies/research to profile hazards and follow up with mitigation strategies.

Goal 3: Develop long-term strategies to educate Jackson County residents on the hazards

<i>Objective:</i>	Raise public awareness on hazard mitigation.
<i>Objective:</i>	Improve education and training of emergency personnel and public officials.

5.1. National Flood Insurance Program Statistics

The National Flood Insurance Program (NFIP) is a federal program managed by FEMA and delivered by a network of multiple insurance agencies. Flood insurance is available to businesses, home & property owners, and renters in communities that participate in the NFIP. Homes and businesses in Special Flood Hazard Areas (SFHA) with government backed mortgages are required to have flood insurance. Flood insurance is also required for some other federal programs, including qualifying for flood-related disaster relief funds and qualifying for grants through the Flood Mitigation Assistance (FMA) Program. Jackson County participates in the NFIP, table 5.1 shows the municipalities that also participate. Jackson County currently has 135 NFIP policies active, covering a total property value of \$20,607,900.00 with a total premium of \$153,683.00.

Table 5.1 – NFIP participation by municipality

Municipality	Participation	Reason for Non-Participation	Current Effective FIRM Date
Ava	No	Not within SFHA	5/2/2008
Campbell Hill	No	Not within SFHA	5/2/2008
Carbondale	Yes		5/2/2008
Desoto	Yes		5/2/2008
Dowell	Yes		5/2/2008, LOMR 6/12/2019
Elkville	Yes		5/2/2008
Gorham	Yes		5/2/2008
Grand Tower*	No	Suspended by FEMA in 1991	5/2/2008
Makanda	Yes		5/2/2008
Murphysboro	Yes		5/2/2008
Vergennes	Yes		5/2/2008

* Grand Tower previously participated in the NFIP. They were the first community in Jackson County to join, but were suspended from the program in 1991 for violations that included development and construction within the 100-year floodplain after 1983 without obtaining and maintaining floodproofing and elevation certificates. Efforts to rejoin included feasibility studies and applications to raise the Grand Tower and Degognia-Fountain Bluff Levees to withstand 100-year flood levels. However, the U.S. Army Corps of Engineers could not determine if such a project would impact flooding upriver in the Middle Mississippi, and the project was never completed. Other efforts to rejoin the program have not been explored in detail.

5.1.1. Community Rating System (CRS)

The Community Rating System (CRS) is a federal incentive program that offers discounts to communities in the NFIP whose floodplain management requirements and practices exceed the minimum standards set forth in the NFIP. The goals of the program are as follows⁹⁸:

- Reduce and avoid flood damage to insurable property
- Strengthen and support the insurance aspects of the National Flood Insurance Program
- Foster comprehensive floodplain management

Currently, Carbondale is the only community in Jackson County with CRS status.

5.1.2. Repetitive Loss Structures

FEMA defines repetitive loss structures as having at least two paid flood losses over \$1,000 each in any 10-year period since 1978. Table 5.2 shows the summary of repetitive loss structures in Jackson County from 1983-2021.

Table 5.2 – Repetitive Loss Structures

Jurisdiction	Occupancy Type	Number of Losses	Total paid
MURPHYSBORO	SINGLE FMLY	2	21,606.64
DOWELL	SINGLE FMLY	2	25,175.81
MURPHYSBORO	SINGLE FMLY	2	14,968.03
CARBONDALE	OTHR-NONRES	3	44,444.22
CARBONDALE	OTHR-NONRES	2	14,669.3
MAKANDA	SINGLE FMLY	3	23,350.28
CARBONDALE	BUSI-NONRES	4	801,241.6
JACOB	SINGLE FMLY	2	9,765.58
TOTAL	8	20	\$955,221.43

Source: IEMA

5.2. Jurisdiction Ordinances

Hazard Mitigation related ordinances, such as zoning, burning, or building codes, have the potential to reduce the risk from known hazards. These types of regulations provide many effective ways to address resiliency to known hazards. Table 5.3 lists Jackson County's current ordinances that directly pertain, or can pertain, to hazard mitigation. It is important to evaluate the local building codes and ordinances to determine if they have the ability to reduce potential damages caused by future hazards.

⁹⁸ "Community Rating System", FEMA.gov

Table 5.3 - Jurisdictional Ordinances

Community	Building	Electrical	Stormwater	Flooding	Subdivision	Fire	Land Use	Zoning
Jackson County	-	-	State Standards – adopted 2005	State Model (Current)	2015 County Subdivision Ordinance	-	Comp. Plan – adopted 1965	-
					Subdivision Ordinance-Adopted 2015			
Ava	-	-	-	-	-	Municipal Code – adopted 2002	-	-
Campbell Hill	Municipal Code – adopted 1969	-	-	-	-	-	-	Municipal Code – adopted 2002
Carbondale	ICC 2003 IBC	NFPA 2008 Code	State and IDOT Standards (Current)	State Model (Current)	Municipal Code – adopted 1964	International Fire Code 2003	Comp. Plan – Adopted 2010	Municipal Code – adopted 1974
De Soto	BOCA 1999 Code	NFPA 2008 Code	State Standards – adopted 2008	State Model (Current)	State Standards – adopted 2008	State Standards – adopted 2008	Comp. Plan – adopted 2008	-
Dowell	BOCA 1999 Code	NFPA Code (Current)	-	State Model (Current)	-	State Standards (Current)	-	-
Elkville				State Model (Current)			Comp. Plan – adopted 1966	
Gorham	-	-	-	State Model (Current)	-	-	-	-
Grand Tower	-	-	-	-	-	Municipal Code – Adopted 1980	Comp. Plan – adopted 1968	-
Makanda	-	-	Municipal Code – Adopted 1987	State Model (Current)	Municipal Code – Adopted 1987	-	-	-
Murphysboro	BOCA 1999 Code	NFPA 2008 Code	-	State Model (Current)	Municipal Code – adopted 1971	Municipal Code – adopted 2012	Comp. Plan – adopted 1965	Municipal Code – adopted 1966
Vergennes	-	-	-	State Model (Current)	-	-	-	-

5.3. Mitigation Strategies

The following tables display all hazard mitigation strategies proposed by the Jackson County Planning Team. Strategies were created with county goals and FEMA STAPLEE criteria.

Strategies from the 2015 Plan are noted in the tables. Planning Team members determined project priority based on the immediate need of the community, overall hazard reduction benefits to the community the strategy would provide, and cost-effectiveness of the project to other alternatives.

The timeline for these projects is based on priority ranking and subject to availability of funding. Jurisdictions are strongly encouraged to apply for grants upon final Plan review and adoption, however it is not a requirement of the Plan that these mitigation strategies are completed.

High priority: 1-3 years, Medium Priority: 4-6 years, Low Priority: 7-10 years

For details on specific grant programs, see appendix 6.

Table 5.4 - FEMA STAPLEE criteria

S ocial	Mitigation actions are acceptable to the community if they do not adversely affect a particular segment of the population, do not cause relocation of lower income people, and if they are compatible with the community's social and cultural values.
T echnical	Mitigation actions are technically most effective if they provide a long-term reduction of losses and have minimal secondary adverse impacts.
A ministrative	Mitigation actions are easier to implement if the jurisdiction has the necessary staffing and funding.
P olitical	Mitigation actions can truly be successful if all stakeholders have been offered an opportunity to participate in the planning process and if there is public support for the action.
L egal	It is critical that the jurisdiction or implementing agency have the legal authority to implement and enforce a mitigation action.
E conomic	Budget constraints can significantly deter the implementation of mitigation actions. Hence, it is important to evaluate whether an action is cost-effective, as determined by a cost benefit review, and possible to fund.
E nvironmental	Sustainable mitigation actions that do not have an adverse effect on the environment, comply with federal, state, and local environmental regulations, and are consistent with the community's environmental goals, have mitigation benefits while being environmentally sound.

Source: FEMA

All Hazards						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
AH1	Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides: Various agencies have implemented forms of this strategy. Local resources have been used to target and inform the resident population. Additional funding will be sought from the Local, State and Federal sources.	Ongoing	IEMA/FEMA preparedness Grant	High	Jackson County EMA, Health Dept., Schools, SIH	from 2015 MHMP
AH2	Devote Section of Website to Hazard Mitigation: The Jackson County EMA website is used to notify the public about hazard mitigation. Southern Illinois Airport uses their website to provide hazard mitigation related information and will start providing information on social media platforms. SIH and the Shawnee Preparedness and Response Coalition would like to develop communication tools and capacities, including social and digital media, to provide critical updates and information to community. All Jackson County School Districts continue to work with local weather stations to provide up-to-date information for students and families. Unity Point CUSD #140 utilizes Alertnow Messaging Systems to send necessary information to all Unity Point families.	Ongoing		High	Jackson County EMA, Southern Illinois Airport, SIH, Jackson County School Districts	from 2015 MHMP
AH3	Establish Liaison/Groups that Meets Regularly to Discuss Hazard Mitigation and Disaster Risk Reduction: Several groups meet on a regular basis to discuss hazard mitigation including: Jackson County LEPC, Disaster Risk Reduction Group, Shawnee Preparedness and Response Coalition, Jackson Co. Public Health and Medical Preparedness Coalition, Healthy Southern Illinois Delta Network, Shawnee Alliance for Seniors, Map Your Neighborhood Program (Carbondale).	Ongoing		High	various agencies	from 2015 MHMP
AH4	Establish Local Emergency Planning Committee: The Jackson County EMA heads the Local Emergency Planning Committee that complies with the Emergency Planning and Community Right to Know Act (EPCRA) and planning for hazardous materials (HAZMAT) incident response and notification.	Ongoing		High	Jackson County EMA	from 2015 MHMP

All Hazards						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
AH5	Enhance Emergency Communication System Infrastructure: The Jackson County EMA will oversee the implementation of this project. Funding has not been secured, but additional funding will be sought from Local, State and Federal resources. The Southern Illinois Airport would like to install an all-tenant communication system. SIH and Shawnee Preparedness and Response Coalition would like to develop and implement a region-wide back-up emergency communication system. Dowell FD and MABAS Division #86 is currently applying for a federal grant to improve communication division. Carbondale CHSD #186 is investigating potential infrastructure improvements for school offices, administration, and security personnel. Unity Point CUSD #140 continues to work with local emergency agencies to enhance the emergency communication system infrastructure.	Ongoing/Proposed	BRIC, Infrastructure Bill, USDA	Medium	Jackson County EMA, Carbondale, Southern Illinois Airport, SIH, Dowell Fire Department, SIU, Jackson County School Districts	from 2015 MHMP
AH6	Improve Communication Between Utility Companies: County and Local Agencies continue to maintain contact with utility companies before during and after hazardous events. Kinkaid-Reed's Creek Conservancy District aims to provide additional information and maintain contact with the County.	Ongoing		Medium	various agencies	from 2015 MHMP
AH7	Distribute/Program NOAA Weather Radios: During severe weather preparedness week, The Jackson County EMA and area fire departments help residents program their NOAA weather radios. Each jurisdiction wishes to seek additional funding to distribute NOAA weather radios. Unity Point CUSD #140 would like to seek funding to distribute more NOAA Weather Radios in the Unity Point buildings which will allow staff to know when severe weather approaches.	Ongoing		Medium	Jackson County EMA, City/Village Fire Departments	from 2015 MHMP
AH8	Improve EMA Training, Staff, Resources, And Equipment: The County EMA and the City of Carbondale oversees the implementation of this project. Funding has not been secured for future training, but additional funding will be sought from Department of Homeland Security, state and local resources.	Ongoing		High	Jackson County EMA, Carbondale	from 2015 MHMP
AH9	Maintain Centralized Geographical Database Including Natural Hazard/Risk Assessment: The County EMA oversees this project with the assistance of SIU. After each mitigation plan update, the geographical database is updated to include new information about hazard events and the number of structures within the 100-year floodplain.	Ongoing		Medium	Jackson County EMA, SIU	from 2015 MHMP

All Hazards						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
AH10	Develop/Maintain Comprehensive Plan to Incorporate Natural Hazards: Jackson County and its incorporated jurisdiction participate in the 5-year renewal of the Multi-Hazard Mitigation Plan. The next update process will take place in 2020 and the county will seek federal funds to update the plan.	Ongoing/Proposed		Medium	Jackson County EMA	from 2015 MHMP
AH11	Develop a Vulnerable Population List: The Jackson County Health Dept. is working with Southern Illinois University, Southern Illinois Healthcare, Shawnee Preparedness and Response Coalition, and other local health departments to update and maintain a list of vulnerable populations in the county.	Ongoing		High	Jackson County Health Department, SIU, SIH	from 2015 MHMP
AH12	Develop Mutual Aid Agreements: The Jackson County EMA oversees this mitigation strategy. The County works with local emergency agencies to maintain mutual aid agreements between local communities, MABAS and ILEAS.	Ongoing		High	Jackson County EMA	from 2015 MHMP
AH13	Retrofit/Harden Critical Facilities and Utilities: The County EMA will oversee the implementation of this project. Funding has not been secured as of 2015. Implementation, if HMA funding is available, is forecasted to be initiated within approximately one year. The Jackson County Health Department aims to harden their facility within the next 3-5 years with the help of federal funding, if available. Murphysboro aims to retrofit the City Hill which houses the Murphysboro Police, Fire and Emergency Management, as well as its 911 answering center and emergency operations center. SIH would like to retrofit existing facilities to serve surge healthcare needs in the event of mass casualties. If funding is available, the Village of Dowell would update the Fire Department and Village Hall.	Proposed	BRIC, Infrastructure Bill, USDA	High	Jackson County EMA, Murphysboro EMA, Dowell, SIH	from 2015 MHMP
AH14	Identify and Procure Backup Potable Water Supplies: The County EMA will oversee the implementation of this project. Funding has not been secured as of 2015. Implementation, if funding is available, is forecasted to be initiated within approximately 3-5 years. Kinkaid-Reed's Creek Conservancy District aims to connect to possible outside water sources.	Proposed	BRIC, CDBG, USDA, IEPA PWSLP, other Infrastructure Bill grants	Medium	Jackson County EMA, Kinkaid-Reed's Creek Conservancy District	from 2015 MHMP
AH15	Review and update county & municipality building & zoning codes/ordinances to improve disaster resiliency, community safety, and energy efficiency	Proposed		Medium	County Board, Municipalities	2022 National Initiative to Advance Building Codes

All Hazards						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
AH16	Construct Additional Community Safe Rooms: The County EMA will oversee the implementation of this project. Local resources will be used to evaluate the cost benefit of the shelters and define specific locations. Funding has not been secured as of 2015. Implementation, if HMA funding is available, is forecasted to be initiated within approximately 3-5 years. The Jackson County Health Department aims to add a safe room to their facility within the next 3-5 years with the help of federal funding, if available. The City of Murphysboro will seek funding for a public shelter, currently there are no public shelters available in the city. SIH would like to retrofit existing clinics, physician offices, and other SIH facilities to serve as storm safe rooms.	Proposed	Local funds, hospital, BRIC, USDA	High	Jackson County EMA, Murphysboro EMA, SIH	from 2015 MHMP
AH17	Create Additional Heating / Cooling Shelters: The County EMA will oversee the implementation of this project. Funding has not been secured as of 2015. Implementation, if state funding is available, is forecasted to be initiated within approximately 1-3 years.	Proposed	BRIC, USDA, CDBG	Medium	Jackson County EMA	from 2015 MHMP
AH18	Equip Critical Facilities with Back-Up Generators	Proposed/Ongoing	BRIC, HMGP	High	Jackson County EMA, Agencies in need of generator	from 2015 MHMP
AH19	Acquire Portable Lighting for Mass Casualty Preparation: SIH and the Shawnee Preparedness and Response Coalition Purchase an adequate number of light towers to use for mass casualty care.	Proposed	IDPH, Preparedness Grant		SIH	from 2015 MHMP
AH20	Have a plan in place for debris clean up, make sure all residents are accounted for following disasters	Proposed	Local funds	High	Elkville fire & police	Lauana Wright, Elkville Village Clerk
AH21	Keeping written/photo/video records of key infrastructure maintenance. These records are vital in the event a disaster damages infrastructure, there are records that the damage was due to the event and not negligence, and can be reported to FEMA accurately in assistance applications	Proposed/Ongoing	Local/county funds	High	IDOT, Road Commissions, Levee Commissions, Dam Personal, Water Plant managers, etc.	IEMA Downstate Disaster workshop 2022
AH22	Forming & training local damage assessment teams and COADs (Community Organizations Active in Disaster)	Proposed	Local/county funds, EMPG	High	IEMA, County EMA, Community Members	IEMA Downstate Disaster workshop 2022
AH23	Saving emergency funds at the county and municipal level to increase resiliency should a disaster occur.	Proposed/Ongoing	Local/county funds	High	County & Municipal Governments	IEMA Downstate Disaster workshop 2022
AH24	Create/maintain an animal welfare disaster planning committee in order to properly follow requirements of IL PETs Act, and to have protocols in place for rescuing and sheltering pets and livestock during natural disasters. Provide training to staff/volunteers regarding animal rescue procedures and safety.	Proposed	Animal control, volunteer/donations	Low	County Animal Control & Sheriff's Office, Local Animal Rescue Groups	Jenny Richardson, Project Paws of Southern Illinois (PPSI)

Tornados, Severe T-Storms						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
T1	Continue to upgrade and maintain outdoor warning siren system. Increase/Improve outdoor warning sirens. Construct a public facility with a hardened area open to the public as a shelter location. Develop a community storm shelter open to residents during severe weather events.	Ongoing		High	Jackson County EMA//IEMA// Murphysboro EMA	Brian Manwaring (Murphysboro EMA Director)
T2	There is no public storm shelters available in Murphysboro. If a new public facility is built, including a public storm shelter would assist the public in remaining safe during severe thunderstorms. Provide a community storm shelter for those who do not have appropriate shelter in their home. Public facilities should be hardened or replaced with hardened structures which can withstand severe thunderstorms. Harden public facilities to withstand severe thunderstorms.	Proposed	BRIC, USDA, CDBG, Infrastructure Bill	High	Jackson County EMA//IEMA// Murphysboro EMA	Brian Manwaring (Murphysboro EMA Director)
T3	Improve our use of a County-wide mass notification system for all County residents. Continue to upgrade the processes we have in use currently. Develop a Community Storm Shelter program to be included in new building construction planning.	Proposed	BRIC, USDA, CDBG, Infrastructure Bill	High	County EMA/ETSB-911./	Orval Rowe (Deputy Coordinator of Jackson County)
T4	Assist in alerting levee district residents of disasters/impending disasters utilizing the district's email network, the Community for a Safe Levee Facebook page, and Jackson County EMA's alert warning system. Hold a public meeting with citizens from the district to disseminate emergency protective strategies including available safe zones at the Gorham Volunteer Fire Department and Christ Lutheran church basement and a list of contact information for emergency personnel in the area including Jackson County officials and the Gorham Volunteer Fire Department first responders. Keep a copy of relevant disaster plans and hazmat plans from Jackson County EMA and other relevant offices in the township office for public knowledge.	Ongoing		Medium	Jackson County EMA/ Fire Department	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)
T6	Build residential or community safe rooms at mobile home parks, fair grounds, shopping malls or vulnerable public spaces. Make sure these areas are accessible by the public at all times. Develop a program that helps retrofit mobile homes to have appropriate foundations; tie downs for roofs as well as comply with national standards of manufacture. Local businesses and community support groups can donate time and supplies for the project.	Proposed	BRIC, USDA, CDBG, Infrastructure Bill	Medium	Jackson County EMA/ Fire Department	Ryan Hall (Carbondale EMA Coordinator)
T7	Educate citizens about burying utility lines or trim trees near above-ground lines. Know the difference between a severe thunderstorm watch (issues when severe thunderstorms in your area) and a warning (severe thunderstorms have been sighted by radar) Carbondale Emergency operations Center can help educate citizens for future severe weather events.	Proposed	Local/county funds	Low	Jackson County EMA/ Fire Department	Ryan Hall (Carbondale EMA Coordinator)

Tornados, Severe T-Storms						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
T10	Institute a plan for protection and recovery. Will provide a guideline on how to protect and respond to such event. Recovery efforts will be made and the damage would be evaluated.	Proposed	School district or EMA funds	Medium	Carbondale Community High School Staff/Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
T11	Provide information for students regarding storm safety and practice response via drills. Staff will provide education to students regarding severe storm and tornado drills. Secure "go bags" for teachers and staff that contain emergency information and first aid kits. Each classroom is outfitted with backpacks that contain emergency information and first aid supplies.	Ongoing	local	High	Unity Point Staff/ Makanda Township Fire Department	Mary Beth Goff (Dean of Students at Unity Point)
T12	Working on improving the notifications to our residents with a call service. Educating residents on the proper procedures during these events. Having storm Shelters in different locations of the village for the safety of our residents.	Ongoing	local	Medium	Fire department of De Soto/ Jackson County EMA	Ben Doan (Chief of Police of De Soto)
T13	Continued education throughout our community. Improve and inform the use of an all call system for our community. Set up warming and cooling shelters during times of snow.	Ongoing	local	Medium	Fire department of De Soto/ Jackson County EMA	Ben Doan (Chief of Police of De Soto)
T14	Informing area residents on how to be ready for severe storms in the event. Would have to work with local agencies for cleanup.	Ongoing	Local	High	Village of Belle Rive EMA	Kim McCormick (Village President of Belle Rive)
T15	In the event of a tornado; sound the sirens and use the weather radios.	Ongoing	Local; Federal	Medium	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)
T16	In the event of a severe thunderstorm; activate storm spotters' protocol and warn everyone to stay alert.	Ongoing	Local; Federal	Medium	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)
T17	Retrofit existing structures to withstand high winds. Update and maintain a list of temporary shelters.	Proposed	BRIC, USDA, CDBG, Infrastructure Bill	Medium	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
T18	In the event of a severe thunderstorm; Enhance emergency communication system infrastructure, warning system enhancements. Retrofit existing structures to withstand high winds.	Proposed	BRIC, USDA, CDBG, Infrastructure Bill	Medium	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
T19	Prepare and distribute severe weather plans for all employees. Monitor weather conditions so employees can move to secure locations when necessary	Ongoing	Local	Medium	KRCCD	Scott Wilmouth, KRCCD
T20	Retrofitting select infrastructure and building safe rooms to improve airport safety	Proposed	BRIC, USDA, CDBG, Infrastructure Bill, DOT safety grants	Medium	Southern Illinois Airport Authority	Gary Shafer, SIAA

Tornados, Severe T-Storms						
Code	Mitigation Strategy	Status	Funding Source/ potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
T21	Construct additional community safe rooms, anchor manufactured homes, provide jurisdiction wide siren coverage, enhance ordinances to exceed minimum construction standards for high winds, retrofit outdated structures	Proposed	BRIC, USDA, CDBG, Infrastructure Bill	high	Campbell Hill fire, Jackson County EMA, SIH	Laci Misselhorn, Campbell Hill Board
T22	Ensure building are in compliance with building codes. Ensure evacuation signs are clearly posted and evacuation process is in place.	Ongoing	s	High	SIU	Benjamin Newman, SIU Chief of Police
T23	Ensure severe weather sirens are maintained and tested. Maintain alert notification system for staff, students and faculty along with response mechanism for Emergency Operations Center.	Ongoing	s	high	SIU	Benjamin Newman, SIU Chief of Police
T24	Construct safe rooms in essential facilities, create and update list of emergency equipment	Ongoing	l,s,f	High	Ava	Candice Cotter, Mayor of Ava
T25	Make sure warning sirens are working properly and tested regularly. Ensure City has proper equipment to handle severe weather	Ongoing	l	Low	Ava	Candice Cotter, Mayor of Ava
T26	Install Lightening Detection System: The City of Carbondale, Carbondale CHSD #165, Tricounty CSUD #176, De Soto CCSD #86, and Southern Illinois Airport will oversee the implementation of this project and include the school districts. Implementation, if HMA or state funding is available, is forecasted to be initiated within approximately 1-3 years.	Proposed	BRIC, USDA, CDBG, Infrastructure Bill	Medium	Carbondale, Southern Illinois Airport, Carbondale CHSD #186, De Soto CCSD #86, Tricounty CUSD #176	from 2015 MHMP

Pandemic/Disease Outbreak						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
P1	Develop a plan within each department for employees to work in isolation / groups during times of pandemic so that we do not take a chance that an entire department is wiped out due to illness. maintain critical PPE supplies on hand to deal with a contagious outbreak.	Ongoing	Local; State; Federal	Medium	Jackson County EMA//ICDC// Murphysboro EMA// DHHS//DHS	Brian Manwaring (Murphysboro EMA Director)
P2	Continue to stock PPE supplies to fill the needs to County Departments and Office Holders. Also, to assist in stop gap measures for other entities in the County. (Lessons Learned)/ Assist and promote non pharmaceutical resources. Update our County Emergency Operations Plan with lessons learned and new Standard Operational Procedures from our extended COVID-19 response.	Ongoing	State	Medium	Jackson County EMA/ IEMA/ Health Department	Orval Rowe (Deputy Coordinator of Jackson County)
P3	Invest in strengthening core public health infrastructure; including water and sanitation systems. Southern Illinois Healthcare will be a major partner in making these proposals happen. City of Carbondale should invest in creating a stockpile of PPE supplies for future disease outbreaks/ epidemics. Communication is needed between the local governments and the Illinois emergency management agency/ local suppliers.	Ongoing	Local; State	Medium	Jackson County EMA/ IEMA/ Health Department	Ryan Hall (Carbondale EMA)
P4	Institute awareness and procedures to help prevent and protect against the outbreak. CCHS would work with programs to educate and prevent spread of the epidemic. Procedures and guidelines will be set and followed by guidance of the local health department and federal laws.	Proposed	Health dept, IDPH	Medium	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
P5	Develop Contact tracing protocols and action plan. Develop and disseminate contact tracing protocols.	Proposed	Local	Medium	Unity Point Staff/ Jackson County Health Department	Mary Beth Goff (Dean of Students at Unity Point)
P6	Stocking up on PPE and educating residents on how we could help if there is an outbreak that has taken place. Work on isolation shelters and implementing them in those locations throughout or village.	Ongoing	Local	Medium	Fire department of De Soto/ Jackson County Health Department	Ben Doan (Chief of Police of De Soto)
P7	Inform the public on health mandates.	Ongoing	Local;State	Medium	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)
P8	Enhance reporting and contact tracing protocols. Develop/update plans for mass care situations.	Proposed	Local, Health dept, IDPH	Medium	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
P9	Strengthen our plan with SIH to house a mass casualty site on the field, including morgue facility. Improve our notification system, We have a current agreement with SIH that needs to be reviewed to ensure current conditions. Creation of cell/text notification system for all hazards notifications	Proposed	Local, Health dept, IDPH	Medium	SIAA, SIH	Gary Shafer, SIAA
P10	Educate community on pandemics, develop software/website that allows public to pre-register to receive mass-prophylaxis medication, develop solutions for schools to report absences and infected students	Ongoing	l,s,f,p	High	Jackson County Health Dept, Campbell Hill	Laci Misselhorn, Campbell Hill Board

Pandemic/Disease Outbreak						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
P11	Ensure Emergency Operations Center is positioned to combat public health emergencies. Follow in compliance with state and federal mitigation strategies.	Ongoing	State	Medium	SIU	Benjamin Newman, SIU Chief of Police
P12	enhance reporting and contact tracing protocols. Ensure PPE is available	Proposed	Local, health dept, IDPH	Low	Ava	Candice Cotter, Mayor of Ava
P13	Educate Community on Pandemics and How to Mitigation their Impacts: Potential funding sources includes: Illinois Department of Public Health, U.S. Dept. of Health and Human Services, and various Private foundations	Ongoing	s,f	High	Jackson County Health Department	from 2015 MHMP
P14	Purchase Software/Develop Website which Allows the Public to Pre-Register to Receive Mass Prophylaxis Medications: Potential funding sources includes: Illinois Department of Public Health, U.S. Dept. of Health and Human Services, and various Private foundations	Ongoing	s,f,p	Medium	Jackson County Health Department	from 2015 MHMP
P15	Develop Technological Solutions for Schools to Report Large Numbers of School Absences: This strategy will limit the spread of disease, facilitate situational awareness and rapid cycle decision making for school closures, parenting messaging, etc. Potential funding sources includes: Illinois Department of Public Health, U.S. Dept. of Health and Human Services, and various Private foundations.	Ongoing	s,f,p	Medium	Jackson County Health Department	from 2015 MHMP

Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
Earthquakes						
EQ1	Identify and reduce earthquake hazards at home and work. These mitigation efforts should include: Securing heavy objects to walls and floors, such as shelves, bookcases, cabinets, and water heaters. Placing large, heavy, or breakable objects on lower shelves. Hanging heavy items – such as pictures and mirrors – away from areas where people sit or gather frequently. Bracing overhead light fixtures. Repairing defective electrical wiring and leaky gas connections. These are potential fire risks. Repairing any deep cracks in ceilings or foundations. Get expert advice if there are signs of structural defects. Storing flammable products and hazardous material securely on bottom shelves in cabinets that are closed with latches. Follow MSDS storage guidelines. Continue Earthquake Preparedness Education campaign. Teach people to mitigate risks at home and at work. Retrofit / harden or replace critical facilities (city hall, public works, police, fire, school) buildings to withstand a major earthquake.	Proposed	Local; EMPG	Low	Jackson County EMA//IEMA// Murphysboro EMA	Brian Manwaring (Murphysboro EMA Director)
EQ2	Continue to educate County residents on ways to protect themselves during and after an earthquake. The future ability to build a new Regional Emergency Operations Center (SIEOC) in the County. We currently have a grant proposal moving through Senator Duckworth's office for this purpose. Our hopes are that we get approved for this grant.	Ongoing	Local	Medium	Jackson County EMA/IEMA	Orval Rowe (Deputy EMA Coordinator of Jackson County)
EQ3	Assist in alerting levee district residents of disasters/impending disasters utilizing the district's email network, the Community for a Safe Levee Facebook page, and Jackson County EMA's alert warning system. Hold a public meeting with citizens from the district to disseminate emergency protective strategies and a list of contact information for emergency personnel in the area including Jackson County officials and the Gorham Volunteer Fire Department first responders. Keep a copy of relevant disaster plans and hazmat plans from Jackson County EMA and other relevant offices in the township office for public knowledge.	Ongoing	Local	Medium	Jackson County EMA/ Fire Department	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)
EQ4	Establish a seismic committee to provide recommendations. Recommend changes in state and local seismic safety standards and perform annual assessments of seismic safety improvements. Retrofit critical facilities to ensure they remain operational post-earthquakes (schools, governments, and corporations)	Proposed	IEMA/FEMA preparedness grant	High	IEMA/Jackson County EMA	Ryan Hall (Carbondale EMA Coordinator)

Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
Earthquakes						
EQ5	Institute a build back and recovery plan for loss of properties. CCHS will apply for FEMA and other funds available for recovery and efforts to rebuild. The building would have to be back to code prior to allowing the building to be functional.	Proposed	State	Medium	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
EQ6	Work with Unity Point Safety Committee to review and revise Emergency action plan. Develop Emergency action plan.	Ongoing	Local	Low	Unity Point Staff/ Makanda Township Fire Department	Mary Beth Goff (Dean of Students at Unity Point)
EQ7	Educating residents on proper procedures during an event.	Ongoing	Local	Low	Fire department of De Soto/ Jackson County EMA	Ben Doan (Chief of Police of De Soto)
EQ8	Make sure everything is secured properly in the event of an earthquake.	Ongoing	Local; State; federal	Low	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)
EQ9	Develop earthquake emergency action plans. Install automatic shutoff valves.	Proposed	Local, EMPG, BRIC, USDA	High	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
EQ10	Develop earthquake emergency action plans.	Ongoing	Local	Medium	KRCCD	Scott Wilmouth, KRCCD
EQ11	Design utility services to supply critical facilities first during emergency situations.	Ongoing	Local	Medium	KRCCD	Scott Wilmouth, KRCCD
EQ12	Modification of structures to withstand reasonable earthquake event: Certain structures at the airport lack seismic protection. We will identify those buildings and design/implement corrective measures. Non-Federal funding source from local funding.	Proposed	Local, BRIC, CDBG, USDA	Medium	SIAA	Gary Shafer, SIAA
EQ13	Map and assess community vulnerability to earthquakes, retrofit water supply systems, retrofit critical facilities, install automatic shutoff valves, develop and update emergency action plans	Proposed	Local, BRIC, CDBG, USDA, IEPA	High	Campbell Hill, Jackson County EMA, Jackson County Health Dept	Laci Misselhorn, Campbell Hill
EQ14	Promote/Ensure buildings are in compliance with building codes. Develop additional earthquake emergency action plans as needed (Appendix D-21). Exit signs and evacuation routes clearly posted.	Ongoing	state	High	SIU	Benjamin Newman, SIU Chief of Police
EQ15	construct backup water mains, install automatic shutoff valves	Ongoing	Local; State; federal	high	Ava	Candice Cotter, Mayor of Ava
EQ16	Develop Specially-Engineered Pipelines in Areas Subject to Faulting, Liquefaction, Earthquakes, or Other Ground Failure: Kinkaid-Reed's Creek Conservancy District is will oversee the implementation of this project. Funding has not been secured as of 2015. Implementation, if HMA funding is available, is forecasted to be initiated within approximately 3-5 years.	Proposed	BRIC, USDA, IEPA, Infrastructure Bill	Medium	Jackson County, KRCCD	from 2015 MHMP
EQ17	Retrofit Water Supply Systems: Jackson County EMA, Murphysboro WWTP and Kinkaid-Reed's Creek Conservancy District would oversee this project. Implementation, If HMA funding is available, is forecasted to be initiated within approximately one- three years. Kinkaid-Reed's Creek Conservancy District would like to retrofit water plant buildings, booster stations, and ground storage tanks.	Proposed	BRIC, USDA, IEPA, Infrastructure Bill	High	Jackson County, KRCCD	from 2015 MHMP

Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
Winter Storms						
W1	The City of Murphysboro maintains multiple trailers mounted generators to power critical infrastructure in the event of a power loss. Have generators available to power critical facilities in the event an ice storm takes out power lines. It is critical to maintain a sufficient supply of salt and cinders to be applied to city streets during winter storms. Maintain a sufficient supply of salt and cinders to apply to city streets following a severe winter storm.	Ongoing	Local; State; Federal	High	Jackson County EMA//Murphysboro EMA// IEMA	Brian Manwaring (Murphysboro EMA Director)
W2	Continue education of County residents protect their families during severe winter weather events. Plan to look at locations in the County for safe shelters and warming shelters, cooling shelters with generators while power is lost for long periods of time.	Ongoing	Local	Medium	Jackson County EMA//Murphysboro EMA// IEMA	Orval Rowe (Deputy EMA Coordinator of Jackson County)
W3	Assist in alerting levee district residents of disasters/impending disasters utilizing the district's email network, the Community for a Safe Levee Facebook page, and Jackson County EMA's alert warning system. Hold a public meeting with citizens from the district to disseminate emergency protective strategies including available safe zones at the Gorham Volunteer Fire Department and Christ Lutheran church basement and a list of contact information for emergency personnel in the area including Jackson County officials and the Gorham Volunteer Fire Department first responders. Keep a copy of relevant disaster plans and hazmat plans from Jackson County EMA and other relevant offices in the township office for public knowledge.	Ongoing	Local	Medium	Jackson County EMA//Murphysboro EMA// IEMA	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degonia)
W4	Snow Plowing and salting the roads; New trucks and snow plows. (Find a grant for new vehicles for snow plowing)	Ongoing	Local; State; Federal	High	Jackson County EMA	Patricia Sherman (Treasurer/Clerk/Office Manager of Vergennes)
W5	Identify locations for heating centers or shelters for vulnerable populations and stranded motorist. Carbondale has a warming center in place on East College Street. Coordinate with local utility organizations to increase the homeowner and community education about potential storm effects and possible mitigation activities	Proposed	Local; IDPH	Medium	Jackson County EMA/ Utility companies	Ryan Hall (Carbondale EMA)
W6	Early dismissal/release procedures	Ongoing	Local	Medium	IDOT/ Jackson County Road Crew (Salt trucks and plows)	Larry Lovel (Superintendent of Trico CUSD #176)
W7	Set plan in place for such event. We would cancel school and close the building in efforts for safety. We would assess damages and apply for funding if need be.	Proposed	Local	Medium	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
W8	Education for community of where warming shelters are available. Improvements made on the notification system for the community on an all-call service.	Ongoing	Local	Medium	Fire department of De Soto/ Jackson County EMA	Ben Doan (Chief of Police of De Soto)
W9	Make sure the roads are taken care of; cleared of ice, salted, and that trucks are properly maintained. Use fire department if needed for a warming center.	Ongoing	Local; State	Medium	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)

Code	Mitigation Strategy	Status	Funding Source/Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
Winter Storms						
W10	Purchase/maintain a supply of salt and other de-icing chemicals. Develop a vulnerable population list.	Proposed	Local	High	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
W11	SIAA has a plan to deal with this Risk, however, continual review and updating is necessary. Updating our stock of emergency supplies sufficient for a predetermined number of people would be a wise investment.	Proposed	Local, DOT/FAA safety grants	High	SIAA	Gary Shafer, SIAA
W12	Acquire deicing chemicals, establish network of 4WD/off road vehicles to access stranded people, create additional warming center, equip critical facilities with backup generators	Proposed	Local, mutual aid agreements, BRIC, CDBG	High	Campbell Hill fire, County EMA, County Highway Dept, IDOT	Laci Misselhorn, Campbell Hill Board
W13	Maintain emergency notification system for staff, faculty and students. Response mechanism for Emergency Operations Center if needed.	Ongoing	State	Medium	SIU	Benjamin Newman, SIU Chief of Police
W14	purchase/maintain salt stockpile, ensure City has proper equipment	Ongoing	I	Low	Ava	Candice Cotter, Mayor of Ava
W15	Purchase deicing chemicals: The Jackson County EMA and Southern Illinois Airport will oversee the implementation of this project. Funding has not been secured, but additional funding will be sought from local resources. Implementation is forecasted to begin within approximately five years. Southern Illinois Airport has a limited quantity of deicing chemicals and is in need of a delivery vehicle.	Proposed	DOT/FAA grant, infrastructure bill	High	Jackson County, Southern Illinois Airport	from 2015 MHP
W16	Purchase snow fences: Southern Illinois Airport has identified a need for snow fences along airport entrance roads. Funding has not been secured, but additional funding will be sought from local resources. Implementation is forecasted to begin within approximately 1-3 years.	Proposed	DOT/FAA grant, infrastructure bill	High	Southern Illinois Airport	from 2015 MHP
W17	Establish a network of 4WD/Off-road vehicles to access stranded people: The Villages of Dowell and De Soto currently have 4x4 vehicles ready for use at the Fire Departments and in the Villages	Ongoing	I	Medium	Dowell, De Soto	from 2015 MHP

Flooding, Dam/Levee Failure						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
F1	Maintain Participating Status in the NFIP by Enforcing a Flood Damage Prevention Ordinance: The Jackson County Emergency Management Agency is responsible for the general administration of the Jackson County Flood Damage Prevention Ordinance. Each participating jurisdiction has a representative responsible for the administration of the individual Flood Damage Prevention Ordinances.	Ongoing	local	High	Jackson County EMA and City/Village Building Services	from 2015 MHMP
F2	Acquire Repetitive Loss Properties, Severe Repetitive Loss Properties, Structures and/or Vacant Land subject to flooding in and/or outside of the Special Flood Hazard Area.	Ongoing	Local; State; Federal	High	Jackson County EMA	from 2015 MHMP
F3	The North-West side of Murphysboro drains via a creek known as Pond-Creek. This creek is prone to flooding during heavy rain. Previous events have flooded both entrance roads to Murphysboro High School, making it inaccessible, as well as flooding the Roberta Drive and N 7th Street neighborhoods. Improving the drainage of pond creek would greatly reduce the threat of flash flooding. Improve the Pond-Creek drainage system. The city can acquire flood prone properties, demolish any structures and place restrictions on the property which prevent any structures from being built on the property in the future. Buyout property which is prone to flooding.	Ongoing	Local; State; Federal	Medium	Jackson County EMA// City of Murphysboro	Brian Manwaring (Murphysboro EMA Director)
F4	Repair aging or deficient levees; Install a piping and valve to interconnect the City of Murphysboro water system with an adjacent water supply system. In the event of a dam failure at Kinkaid Lake, the city would be able to supply water via the interconnected system.	Proposed	Local; FMA, BRIC, USDA, Infrastructure Bill, IEPA	Medium	Jackson County EMA// City of Murphysboro	Brian Manwaring (Murphysboro EMA Director)
F5	Shawnee #84 will continue practicing our emergency flood plan in the event a flood happens while school is in session. Shawnee #84 will continue practicing and improving emergency flood procedures if an event occurs when school is in session. This includes: running emergency bus routes when flood waters cover roads, keeping a school population list to ensure all students and staff are accounted for and having an emergency off-site location to go to if the campus has to be evacuated quickly. This location would be the rally point for parents to pick up their children.	Ongoing	Local	High	Jackson County EMA	Shelly Clover-Hill (Superintendent of Shawnee CUSD #84)

Flooding, Dam/Levee Failure						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
F6	Shawnee CUSD #84 will continue to work with local levee commissioners to coordinate emergency efforts in the event of a levee failure. We can assist with emergency communications including a warning system. Our gymnasium can also serve as a temporary shelter if the flooding does not directly impact our campus.	Ongoing	Local	High	Jackson County EMA	Shelly Clover-Hill (Superintendent of Shawnee CUSD #84)
F7	Work with State and Federal partners to replace flood gates at Highway 3 at Cora with a solid levee. Highway 3 should go over the levee, not through. Form a plan with State and Federal partners to install and maintain permanent De-watering pumps in the Grand Tower area. Protection of Life and Property.	Proposed	Local; FMA, BRIC, IDOT	High	Jackson County EMA	Orval Rowe (Deputy EMA Coordinator of Jackson County)
F8	Continue to work with the State of Illinois and Jackson County to facilitate the closure of the lock structure at Cora City and building the Route 3 highway over the top of the levee. This is an ongoing project that has passed the design phase and is awaiting approval for state funding. Hold a public meeting in conjunction with the US Army Corps of Engineers (USACE) with residents from the district to disseminate brochures and information about warning systems in place with Jackson County, evacuation plans in the event of a levee break and other risk management issues. Present at the public forum the USACE developed computer- simulated flood inundation program that simulates potential flooding scenarios with regarding to levee breaks at different areas in the district to help residents and officials better plan for evacuation and other preparedness activities in the event of a emergency.	Proposed	Local; FMA, BRIC, IDOT	High	Jackson County EMA	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)
F9	Continue working with the USACE on levee maintenance in order to alleviate problem areas/sand boils in the levee. Continue to seek funding through fundraising efforts, local, county, state and federal funds for improving problem areas in the levee system, which are prone to sand boils. Maintain a contact list of emergency workers/volunteers available in the community for emergency sand bagging in the event of a sand boil.	Ongoing	Local; State	High	Jackson County EMA// Army Corps of Eng./IEMA	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)

Flooding, Dam/Levee Failure						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
F10	Regularly perform drainage system maintenance including culvert replacement, cleaning ditches, pump and lock maintenance, and annual upkeep and inspection of seep wells. Continued participation in FEMA's National Flood Insurance Program and remaining in compliance with their floodplain management policies. Work with FEMA on a buy-out program, if necessary, in the event of a future flooding disaster.	Ongoing	Local; State	High	Jackson County EMA// Army Corps of Eng.//IEMA	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)
F11	Replace the roads on Steele/Gale/and Harrison Streets/Roads in Vergennes, in order to alleviate flooding. Possibly replace culverts if needed. Make a purchase for barricades to close roads.	Ongoing	Local; State; Federal	Medium	Jackson County EMA//IEPA//IEMA/ Fire Department	Patricia Sherman (Treasurer/Clerk/Office Manager of Vergennes)
F12	Raise utilities and appliances. Electrical panel box, furnaces, water heaters, and appliances such as washers and dryers should be elevated out of the base flood height. Utilize GIS to determine which homes in your community are in a flood plain or at risk of flooding. Alert residents and provide information on how they can mitigate their homes and property against floods	Proposed	Local; private	Medium	Homeowners// City engineers and GIS specialist	Ryan Hall (Carbondale EMA Coordinator)
F13	Implement an emergency action plan to help identify potential emergency conditions at a dam and specifies pre-planned action to help minimize property damage. Early warning systems to help notify residents of possible dam failure including public audible systems as well as adopting visible systems (strobe lights).	Ongoing	Local; State	Medium	US fish and wildlife services//IDNR/ IEPA/ Jackson County EMA	Ryan Hall (Carbondale EMA Coordinator)
F14	Trico district as emergency housing for displaced families in the event of levee failure	Proposed	Local	Medium	American Red Cross/ County EMA/ Local First Responders (Fire Dept. and Police Dept.)	Larry Lovel (Superintendent of Trico CUSD #176)
F15	Utilize a plan, where CCHS may be of assistance to other agencies. Due to elevations in the area, flooding is unlikely. A plan would be set in place to open the building up for other agencies to use.	Proposed	Local	Low	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
F16	Utilize building for other agencies. The building could serve as a headquarters for other agencies. The school/building itself is not close to a dam or levee.	Proposed	Local	Low	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)

Flooding, Dam/levee Failure						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
F17	Keep ditches cleared of debris, and ensure other water ways are maintained.	Ongoing	Local	Low	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)
F18	Regularly perform drainage system maintenance. Update urban areas to withstand stormwaters.	Proposed	Local	Medium	Jackson County EMA	Kevin Spain (Superintendent of Elverado CUSD #196)
F19	In the event of a dam failure: Regularly perform drainage system maintenance; Update evacuation protocols for high potential loss dams and levee districts.	Proposed	Local	Medium	Jackson County EMA	Kevin Spain (Superintendent of Elverado CUSD #196)
F20	Monitor lake levels during flooding, visually inspect spillway for blockages and debris	Ongoing	Local	Low	KRCCD	Scott Wilmouth, KRCCD
F21	Regularly inspect dam for damage or signs of failure	Ongoing	Local	Medium	KRCCD	Scott Wilmouth, KRCCD
F22	INDR conducts scheduled inspections, document any changes that occur	Ongoing	State	Medium	IDNR	Scott Wilmouth, KRCCD
F23	Look at further downstream detention facilities to reduce flooding impact on the eastern portion of Airport Road. Continue to measure runoff from Airport and current detention facility effectiveness. Improvements or additional detention facilities to be funded at the local level with SIAA funds.	Proposed	Local,FMA, BRIC	Medium	SIAA	Gary Shafer
F24	flood proof or elevate critical facilities/utilities that are a risk, culvert replacement, elevate low lying roads, retrofit water supply system	Proposed	Local, FMA, USDA, IEPA	Medium	County EMA, KRCCD, County Highway Dept, Cities and Villages	Laci Misselhorn
F25	go door to door during severe floods to make sure no one is stranded	Proposed	Local, EMPG	High	Elkville Police & Fire	Lauana Wright
F26	Culvert replacement, raise vulnerable structures	Ongoing	local	Low	Ava	Candice Cotter
F27	Update urban areas to withstand stormwater (rain gardens, bioswales, urban tree planting, permeable pavement, storm drain debris catchment, etc.). Other Best Management Practices (BMPs) to reduce flooding impacts and erosion of waterbodies and agricultural areas	Proposed/ongoing	Local, IEPA, FMA	Medium	Municipalities, Greater Egypt, Other interested groups (SIU, non-profits, etc)	Greater Egypt
F28	Continue regular levee maintenance & repairs. Repair/replace floodgates and pumping stations as needed, document all activities in writing and with photos in case flood damage occurs	Ongoing	Local, state, federal	Medium	Levee Districts	from 2015 MHMP, downstate disaster workshop recommendations
F29	Implement nature-based/green/traditional infrastructure solutions to reduce flood risk and/or improve water quality in/around the City of Carbondale and Jackson County by performing mitigation activities including, but not limited to, stream/wetland restoration, bank/shoreline stabilization, retention/detention basins, land conservation/acquisition, and realignment of critical infrastructure.	Proposed	Local, IEPA, FMA, bric	High	Jackson County EMA, City of Carbondale, Greater Egypt	Jonathan Remo (Southern Illinois University Carbondale)

HazMat Release						
Code	Mitigation Strategy	Status	Funding Source/Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
HM1	Provide Hazmat training for first responders in Murphysboro. When possible, involve transportation companies such as Union Pacific Railroad. Hazmat training for first responders in Murphysboro. Develop evacuation plan for critical facilities (schools) which are within close proximity to major transportation line (UP RR)	Proposed	Local, DOT safety grant	Medium	Jackson County EMA// IEMA//IEPA	Brian Manwaring (Murphysboro EMA Director)
HM2	Continue to test and exercise our capabilities while learning from our improvements through our exercises. Continue to work with our County LEPC committee to educate and prepare our County for a Hazard Material release.	Ongoing	Local	Medium	Jackson County EMA// IEMA//IEPA	Orval Rowe (Deputy EMA Coordinator of Jackson County)
HM3	Maintain maps of railroad crossings in the levee district and alternate egress routes available in the event of a train derailment and hazardous materials event. Assist in alerting levee district residents of disasters/impending disasters utilizing the district's email network, the Community for a Safe Levee Facebook page, and Jackson County EMA's alert warning system.	Ongoing	Local	Medium	Jackson County EMA/ Fire Department	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)
HM4	Strengthen and enforce safety procedures and policies. Require training in and compliance with all safety procedures and systems related to the manufacture, storage, transport, use, and disposal of hazardous materials. Canadian National can possibly help fund this project. Develop and maintain emergency plans/ risk management plans as required by the U.S EPA.	Ongoing	Local	Low	Jackson County EMA/ Carbondale Fire Department	Ryan Hall (Carbondale EMA Coordinator)
HM5	Institute awareness, protection, and procedures to lower risks of exposure. Will provide training and guidelines through Crisis Plan book.	Proposed	Local	Medium	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
HM6	Educating our residents on what to do and where to go in the event of a possible train derailment, and proper procedures if such events took place. Set up isolation areas within the village. Work on types of communication that would better suit our needs; such as a P-25 digital radios	Ongoing	Local	Medium	Fire department of De Soto/ Jackson County EMA	Ben Doan (Chief of Police of De Soto)
HM7	Block off dangerous area from the public and contact the local HazMat team assist.	Ongoing	Local; State; Federal	Low	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)

HazMat Release						
Code	Mitigation Strategy	Status	Funding Source/Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
HM8	Develop and update HazMat emergency plans. Equip facilities with centralized positive-pressure HVAC systems.	Proposed	Local, BRIC	High	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
HM9	Continually update risk management plan, continue to perform preventative maintenance on all hazardous material equipment	Ongoing	Local	Medium	KRCCD	Scott Wilmouth, KRCCD
HM10	Develop/update emergency action plans for HazMat release, conduct hazardous material commodity flow study, update facilities that store HazMats to current regulations, purchase emergency equipment	Proposed	Local, DOT safety grant	Medium	Campbell Hill fire, County EMA	Laci Misselhorn, Campbell Hill Board
HM11	SIAA has a current plan for such releases. It should be reviewed and strengthened as necessary	Proposed	Local	High	SIAA	Gary Shafer, SIAA
HM12	Discuss and create joint plan with fire dept, acquire protective gear for first responders	Proposed	Local, DOT safety grant, mutual aid agreements	Low	City of Ava, Ava Fire Dept	Candice Cotter
HM13	Promote compliance with safety codes and regulations. Develop and enforce plans that regulate the location of sites with hazardous chemicals. Develop action or contingency plan	Ongoing	state	High	SIU	Benjamin Newman, SIU Chief of Police
HM14	Purchase Emergency Equipment – i.e., Chlorine Scrubbers, etc.: Kinkaid-Reed’s Creek Conservancy District would like to purchase Chlorine Scrubbers to contain and treat accidental releases of chlorine gas. Implementation, if funding is available, is forecasted to be initiated within approximately three years. As SIH updates their hazmat response plan they will seek to purchase additional response equipment as necessary	Proposed	Local, BRIC, IEPA, USDA, Infrastructure Bill	High	KRCCD	from 2015 MHMP

Drought, Extreme Heat						
Code	Mitigation Strategy	Status	Funding Source/Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
D2	Have a public shelter facility available to act as a cooling shelter in times of excessive heat.	Proposed	Local; CDBG, BRIC, USDA	Medium	Jackson County EMA//Murphysboro EMA// IEMA	Brian Manwaring (Murphysboro EMA Director)
D3	While working to build storm shelters in the County, we would make them accessible for warming/cooling centers.	Proposed	Local; CDBG, BRIC, USDA	Medium	Jackson County EMA// IEMA	Orval Rowe (Deputy EMA Coordinator of Jackson County)
D4	Establish community cooling centers for vulnerable populations. Convert the winter warming center into a cooling center during the warmer months. Create a water supply plan management of water conservation for rain water catchments and storage.	Ongoing	Local	Low	City of Carbondale/ Jackson County Housing and Utilities department/ Homeowner	Ryan Hall (Carbondale EMA Coordinator)
D5	Use building as a resource and aid to agencies or community. The school itself would close due to extreme heat. The building could be use as a headquarters for other agencies if need be.	Proposed	Local	Low	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
D6	Fire department/ church can be used as cooling centers if needed.	Ongoing	Local	Low	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)
D7	Provide cooling centers for vulnerable populations. Establish wildfire prevention management strategies.	Proposed	Local; CDBG, BRIC, USDA	Low	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
D8	monitor lake levels during drought, update emergency response plant when necessary.	Ongoing	Local	low	KRCCD	Scott Wilmoth, KRCCD
D9	develop a water action plan, retrofit water supply systems, develop and enforce water use restrictions and burn ordinances during droughts, create additional cooling shelters, equip critical facilities with generators.	Proposed	Local, IEPA, BRIC, CDBG	Medium	Campbell Hill Fire, County EMA, KRCCD, Cities/villages	Laci Misselhorn, Campbell Hill Board
D10	Check on elderly & those without electricity during heat waves	Proposed	Local, EMPG	High	Elkville Police & Fire	Lauana Wright
D11	Promote the idea of cool roofs (paint roofs white; reflective tiles = reflects sunlight, absorbs less heat). Acquire secondary resources for water and cooling. Follow State mitigation plan for reduced water consumption following the Governors mandates for provisions	Proposed	State	Medium	SIU	Benjamin Newman, SIU Chief of Police
D12	provide cooling centers for vulnerable population, establish fire prevention strategies	Proposed	Local	Low	Ava	Candice Cotter
D13	Retrofit At-Risk Structures with Ignition-Resistant Materials or Sprinklers and Foam Extinguisher Systems: Southern Illinois Airport has a select number of buildings without adequate sprinkler and or/foam extinguisher systems. Implementation, if state or federal funding is available, is forecasted to be initiated within approximately 1-3 years	Proposed	Local, BRIC, CDBG, USDA, Infrastructure Bill	High	SI Airport	from 2015 MHMP

Cyberattack						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
C1	Continue to educate the County employees with the safest processes for opening emails and clicking sites.	Ongoing	Local;State	High	Jackson County EMA // Jackson County IT Department	Orval Rowe (Deputy EMA Coordinator of Jackson County)
C2	Develop and implement a multi-factor authentication platform to help mitigate possible cyber-attacks.	Proposed	Local, Infrastructure Bill	Low	City of Carbondale IT Department/ Jackson County EMA // Jackson County IT Department	Ryan Hall (Carbondale EMA Coordinator)
C3	Plan and procedures set in place. Set up procedures on how to respond and repair issues.	Proposed	Local, Infrastructure Bill	Low	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
C4	Provide resources for the public on cyber security for home computers and smartphones; Make local businesses and government offices aware of the Illinois Attorney General's office of data breach reporting system.	Proposed	Local; Infrastructure Bill	Low	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
C5	Assess weaknesses and vulnerabilities within SIAA systems and identify mitigation measures	Proposed	Local; Infrastructure Bill	High	SIAA	Gary Shafer, SIAA
C6	Update virus protection software for City network, provide cybersecurity resources for the public.	Proposed	Local; Infrastructure Bill	Low	Ava	Candice Cotter, Mayor of Ava

Terrorism						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
TR1	Offer active shooter training at high-risk facilities. Maintain a dedicated frequency with a repeater for first responders to communicate with school personnel in Murphysboro.	Ongoing	Local	High	Jackson County EMA//Murphysboro EMA//County law enforcement and Murphysboro Police	Brian Manwaring (Murphysboro EMA Director)
TR2	Work with all County First Responders to update our communications to a P-25 compliant digital platform. There is momentum beginning to build for this project to take shape.	Proposed	Local; EMPG	High	Jackson County EMA// Law Enforcement// Fire Department	Orval Rowe (Deputy EMA Coordinator of Jackson County)
TR3	Assist in alerting levee district residents of terrorism/active shooter emergencies utilizing the district's email network, the Community for a Safe Levee Facebook page, and Jackson County EMA's alert warning system.	Ongoing	Local	Medium	Jackson County EMA// Law Enforcement// Fire Department	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)
TR4	Call Jackson County Police; Implementing a notification system in order to alert the public of Vergennes to stay safe and inside their homes.	Ongoing	Local	Medium	Jackson County EMA// Law Enforcement// Fire Department	Patricia Sherman (Treasurer/Clerk/Office Manager of Vergennes)
TR5	Develop an active shooter preparedness plan that includes the following elements: security assessment, preparedness, communications, incident plan, training and exercise, and post incident recovery. Carbondale police already have an active shooter plan in place. Ensure first aid/ trauma kits are updated, and located in appropriate areas and are accessible.	Ongoing	Local	High	Carbondale Police Department/ Jackson County Police Department/ SIH Medical	Ryan Hall (Carbondale EMA Coordinator)
TR6	Institute training, and procedures to protect the school and persons. Would utilize hands on training and instructions to equip persons within the building how to response and react to such an occurrence.	Proposed	Local, IEMA/FEMA preparedness grant	Medium	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
TR7	Active Shooter Protocol and Plan in place. Review and revise active shooter policy and plan. Participate in yearly active shooter drill with students and educate them on plan should active shooter/intruder be present on campus.	Ongoing	Local	High	Jackson County EMA/ Jackson County Fire and Sherriff's Departments	Mary Beth Goff (Dean of Students at Unity Point)
TR8	Education for local schools on active shooter procedures. Improving communication with community and with local schools for public safety.	Ongoing	Local	Medium	Jackson County EMA/ Jackson County Fire and Sherriff's Departments	Ben Doan (Chief of Police of De Soto)
TR9	Upgrade/install emergency communication equipment; Upgrade school security systems.	Proposed	BRIC, CDBG	High	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
TR10	Continue training programs among key staff for responding to such incidents. Airport Police Department currently engages in this training but continual improvement is needed. Key staff across all airport entities is also important. Local funding from SIAA.	Ongoing	I,s,f	High	SIAA	Gary Shafer, SIAA
TR11	Upgrade school entrances to make it difficult for intruders to enter	Proposed	Local, BRIC, CDBG	Medium	Campbell Hill fist response, County sheriff's dept	Laci Misselhorn, Campbell Hill Board
TR12	Enhance warning/ notification system. Develop Active Shooter/ Terrorism emergency action plan (Appendix D-18). Maintain up to date mutual aid agreements. Campus presentations for preparedness. Initiate incident command	Ongoing	State	High	SIU, Jackson County, City of Carbondale	Benjamin Newman, SIU Chief of Police

Ground Failure						
Code	Mitigation Strategy	Status	Funding Source/Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
G1	Use ground penetrating radar to create a more accurate map of underground mines. Maintain maps of known underground mines. Avoid building any critical infrastructure or public facilities on areas known to be undermined. Maintain a map of areas known to be undermined by coal mines.	Ongoing	Local; State; Federal	Medium	Jackson County EMA//EMA//USGS//IDNR	Brian Manwaring (Murphysboro EMA Director)
G2	Build a relationship with the Illinois Department of Natural Resources (IDNR) to partner with information sharing before a response to an incident.	Proposed	Local	Medium	Jackson County EMA//EMA//USGS//IDNR	Orval Rowe (Deputy EMA Coordinator of Jackson County)
G3	Stormwater control measures will be implemented to minimize surface water run off into known or encountered karst/sink holes. Post-Construction monitoring of identified areas will occur annually to identify any evidence of further sinkhole development with implementation of any measures necessary to prevent further solutions of underlying bedrock	Ongoing	Local	Low	Jackson County EMA/ EPA	Ryan Hall (Carbondale EMA Coordinator)
G4	Institute plan to rebuild or revamp damage to structures and property. CCHS would apply for funding to rebuild or demolish structures. The buildings and properties would be monitored and evaluated.	Proposed	Local	Medium	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
G5	Fill in any possible sinkholes.	Ongoing	Local; State	Medium	Jackson County EMA/ Village of Dowell Fire department	Village Clerk (Village of Dowell)
G6	Maintain a list of structures constructed over underground mines. Education programs/literature regarding mine subsidence insurance for home and landowners.	Proposed	Local; ISGS	Medium	Jackson County EMA/ Elverado School District	Kevin Spain (Superintendent of Elverado CUSD #196)
G7	Maintain a list of structures constructed over underground mines.	Proposed	Local, ISGS	low	KRCCD	Scott Wilmouth, KRCCD
G8	Monitor ground for evidence of subsidence	Ongoing	Local	low	KRCCD	Scott Wilmouth, KRCCD
G9	Map and asses community vulnerability to ground failure, maintain list of buildings over underground mines	Proposed	Local; ISGS	medium	Campbell Hil fire, County EMA	Laci Misselhorn, Campbell Hill
G10	Make a list of properties over old mine sites, education programs about mine subsidence insurance	Proposed	Local; ISGS	low	Ava	Candice Cotter, Ava

Power outage/ utility disruption						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
O1	We maintain several trailer mounted generators to supply power to critical infrastructure in the event of an extended power outage. Maintain a handful of portable generators to supply power to critical infrastructure. Retrofit all critical facilities with generator power or at least with a transfer switch to easily supply power with an external generator.	Proposed	Local; BRIC	Medium	Jackson County EMA// Murphysboro Utility Department	Brian Manwaring (Murphysboro EMA Director)
O2	Retrofit all critical Infrastructures in the County with backup generators or transfer switches for portable generator systems. Continue working relationships with local power companies for assistance when a response occurs.	Proposed	Local; BRIC	Medium	Jackson County EMA // Jackson County Utility Department// IEMA	Orval Rowe (Deputy EMA Coordinator of Jackson County)
O3	Find communication through radios; and having a backup generator for the community center as a means of emergency response.	Ongoing	Local; State; Federal	High	Jackson County EMA // Jackson County Utility Department// IEMA	Patricia Sherman (Treasurer/Clerk/Office Manager of Vergennes)
O4	Install backup power systems, such as good generators at critical facilities. City of Carbondale already have back up power systems located in city hall, Carbondale police department, Carbondale fire department, the water treatment plant, and the public works facility.	Ongoing	Local	High	City of Carbondale/ Utilities department	Ryan Hall (Carbondale EMA Coordinator)
O5	Perform procedures and instructions on how to respond. Work with local agencies, and building coordinators to respond quickly.	Proposed	Local	Low	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
O6	Keep in constant contact with local power companies. Continued education on what to do during an extended power outage. Provide warning for cooling shelters and warming shelters for people to go to during long term outages.	Ongoing	Local	Medium	Jackson County EMA/ Jackson County Fire and Sheriff's Departments	Ben Doan (Chief of Police of De Soto)
O7	In the case of a power outage, check on people who have medical machines and make sure they have a way to power them. Fire department can be used as a possible shelter if needed.	Ongoing	Local	Low	Jackson County EMA/ Village of Dowell Fire Dept.	Village Clerk (Village of Dowell)
O8	Identify key facilities not currently served by back-up generators. The Airport's sewer lift station may be a good candidate. Local funds from SIAA	Proposed	Local, BRIC, DOT/FAA	Medium	SIAA	Gary Shafer, SIAA
O9	Improve communication between utility companies, create additional warming/cooling centers, install backup generators at critical facilities	Proposed	Local, BRIC	Medium	Ameren, Egyptian Electric, Campbell Hill fire, County EMA	Laci Misselhorn, Campbell Hill Board
O10	notify public on social media, notify on-duty police	Proposed	Local	High	Elkville Police & Fire	Lauana Wright, Elkville Village Clerk
O11	Regularly service/check power generators throughout campus. Maintain alert notification system.	Ongoing	State	Low	SIU	Benjamin Newman, SIU Chief of Police
O12	Cooling and/or warming centers for vulnerable population. Acquire backup generators.	Proposed	Local, BRIC, CDBG	low	Ava	Candice Cotter, Mayor of Ava

Wildfires						
Code	Mitigation Strategy	Status	Funding Source/ Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
WF1	Have a mutual aid network in place to provide necessary resources in the event of a major wildfire. Properly manage forest through control burns.	Ongoing	State;Federal	Medium	Jackson County EMA//Murphysboro Fire Department	Brian Manwaring (Murphysboro EMA Director)
WF2	Assist in alerting levee district residents of disasters/impending disasters utilizing the district's email network, the Community for a Safe Levee Facebook page, and Jackson County EMA's alert warning system. Hold a public meeting with citizens from the district to disseminate emergency protective strategies and a list/contact information for emergency personnel in the area including Jackson County officials and the Gorham Volunteer Fire Department first responders. Keep a copy of relevant disaster plans from Jackson County EMA and other relevant offices in the township office for public knowledge.	Ongoing	State;Federal	Medium	Jackson County EMA/ Fire Department	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)
WF3	Call the fire department/MABIAS. Coordinate with a volunteer group to help with caring for fire fighters while they manage possible wildfires.	Ongoing	State;Federal	Low	Jackson County EMA/ Fire Department	Patricia Sherman (Treasurer/Clerk/Office Manager of Vergennes)
WF4	Create a safety zone to separate homes from combustible vegetation. Prune all branches around residential homes and building s to a height of 8-10 feet. Keep trees adjacent to buildings free from dead or dying wood and moss. Make sure electrical lines are buried properly.	Proposed	Local; Private	Low	Carbondale Utilities department (Ameren)/ homeowners/ Fire department/ Jackson County EMA	Ryan Hall (Carbondale EMA Coordinator)
WF5	Work with local fire agencies. Assess damages and apply for funding to rebuild and restore.	Proposed	Local	Low	Carbondale Community High School Staff//Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
WF6	Continue prescribed fires to reduce accumulated fuels, work with private landowners to conduct burns on their land	Ongoing	Federal	Medium	USFWS	Scott Wilmouth, KRCCD
WF7	Develop/enforce water use restrictions and burn ordinances during droughts, have an alternative Emergency Operations Center	Proposed	Local, BRIC, USDA	High	IDNR, Campbell Hill fire, county EMA	Laci Misselhorn
WF8	Public outreach on wildfire risk, work with other counties to establish protocols	Proposed	Local, USDA,	Low	Ava, Jackson County	Candice Cotter, Mayor of Ava
WF9	Wildfire: Write a Community Wildfire Protection Plan for Jackson County	Proposed	Local, USDA CWDG	High	County EMA, All fire depts	Makanda Township Fire, US Forest Service

Near-Earth Object Impact (asteroids, meteorites)						
Code	Mitigation Strategy	Status	Funding Source/Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
N1	Assist in alerting levee district residents of disasters/impending disasters utilizing the district's email network, the Community for a Safe Levee Facebook page, and Jackson County EMA's alert warning system	Ongoing	Local	Medium	Jackson County EMA	Mark Holt & Rita VanPelt (Levee Commissioner/Secretary of Degognia)
N2	Assess damage and utilize recovery plan. Work with other agencies to assess damage and make recovery efforts	Proposed	Local, EMPG	Low	Carbondale Community High School// Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)

Other Potential Hazards						
Code	Mitigation Strategy	Status	Funding Source/Potential Grants	Priority	Responsible Organization/ Agency	Strategy Proposed by
OH1	Create a map of the county which identifies any areas which may be susceptible to landslides. Most landslides in this area are along and near highways; Have a plan to address areas along state highways which are prone to landslides.	Proposed	Local, ISGS	Medium	IDOT//USGS/Jackson County EMA	Brian Manwaring (Murphysboro EMA Director)
OH2	Acid Ponds - Form a working relationship with IDNR to explore hazards contained in the County from Acidic Ponds left over from strip cutting coal mines.	Proposed	Local; IDNR, ISGS	Low	Jackson County EMA/ IDNR	Orval Rowe (Deputy EMA Coordinator of Jackson County)
OH3	Train Derailment- Continue to train and exercise with County and State partners to exercise our capabilities before an actual response.	Ongoing	Local; State; Federal	High	Jackson County EMA// Fire Department	Orval Rowe (Deputy EMA Coordinator of Jackson County)
OH4	Pipeline Explosion- Continue to attend Annual Pipeline Safety meetings and build relationships with their representatives before an actual response.	Ongoing	Local; State; Federal	High	Jackson County EMA	Orval Rowe (Deputy EMA Coordinator of Jackson County)
OH5	Landslide- Utilize plan to recover and rebuild. Work with other agencies to help with restoring the property.	Proposed	Local	Low	Carbondale Community High School// Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
OH6	Infestation/Invasive Species- Utilize plan to eliminate the issue. Set a plan in place to eliminate the issue.	Proposed	Local	Low	Carbondale Community High School// Jackson County EMA	Stephanie Dillow (CCHS School Resource Officer)
OH7	Infestation/Invasive Species: Create plans with IDNR and County Animal Control	Proposed	Local, IDNR	Medium	IDNR, Jackson County Animal Control	Laci Misselhorn, Campbell Hill Board
OH8	Invasives: use herbicides	Proposed	local	Low	Village of Elkhville	Lauana Wright, Elkhville Village Clerk

6. Plan Implementation

6.1. Implementation through Existing Programs

Throughout the planning process, the Jackson County Planning Team worked to identify existing hazard mitigation policies, develop mitigation goals, and create a comprehensive range of mitigation strategies specific to each jurisdiction. This work provides a blueprint for reducing the potential losses identified in the Risk Assessment (Section 4). The ultimate goal of this plan is to incorporate the mitigation strategies proposed into ongoing planning efforts within the County. The Jackson County Emergency Management Agency will be the local champion for the mitigation actions. The Jackson County Board and the city and village councils will be an integral part of the implementation process. Federal and state assistance will be necessary for a number of the identified actions.

Greater Egypt will use the MHMPs from all 5 counties in the region as guidance in other planning initiatives including the Comprehensive Economic Development Strategy (CEDs), Transportation Planning, and Environmental Planning. It is recommended that the County and municipalities also incorporate this document into their local planning efforts.

Continued public involvement is also critical to the successful implementation of the MHMP. Comments from the public on the MHMP will be received by the Jackson County Emergency Management Agency and forwarded to the Planning Team for discussion. Education efforts for hazard mitigation will be an ongoing effort of Jackson County. The public will be notified of periodic planning meetings through notices in the local newspaper. Once adopted, a copy of the MHMP will be maintained in each jurisdiction and in the Jackson County Emergency Management Agency.

6.2. Monitoring, Evaluation, and Updating the MHMP

Throughout the five-year planning cycle, the Jackson County Emergency Management Agency will reconvene the Planning Team to monitor, evaluate, and update the plan on an annual basis. Members of the planning committee are readily available to engage in email correspondence between annual meetings. If there is a need for a special meeting, due to new developments or the occurrence of a declared disaster in the county, the team will meet to update mitigation strategies. Depending on grant opportunities and fiscal resources, mitigation projects may be implemented independently by individual communities or through local partnerships.

As part of the update process, the Planning Team will review the county goals and objectives to determine their relevance to changing situations in the county. In addition, state and federal policies will be reviewed to ensure they are addressing current and expected conditions. The team will also review the risk assessment portion of the plan to determine if this information should be updated or modified. The plan revision will also reflect changes in local development and its relation to each hazard. The parties responsible for the various implementation actions will report on the status of their projects, and will include which implementation processes

worked well, any difficulties encountered, how coordination efforts are proceeding, and which strategies should be revised.

Updates or modifications to the MHMP during the five-year planning process will require a public notice and a meeting prior to submitting revisions to the individual jurisdictions for approval. The plan will be updated via written changes, submissions as the committee deems appropriate and necessary, and as approved by the Jackson County Board.

Appendix 1: Planning Team List

Name of municipality/organization	Participation Type	Name(Last,First)	Title
County EMA			
		Rowe, Orval	Deputy EMA Coordinator
		Moloney, Tim	Communications Leader
County			
Jackson County Highway Department		Burdick, Mitch	County Engineer
		Cox, Josh	Assistant Engineer
County Board		Mueller, Tamiko	Vice Chairwoman
County Board		Petersen, Julie	Board Member
		Berkowitz, Maureen	Assessor
		Whitbeck, Jeff	Administrator
County Sheriffs Office			
		Burns, Robert	Sherriff
		Lindsay, Jennifer	Captain
Cities/Villages			
Ava	Jurisdiction	Anderson, Rodney	Fire Chief
		Cotter, Candice	Mayor
Campbell Hill	Jurisdiction	Misselhorn, Laci	Board Member
Carbondale	Jurisdiction	Hall, Ryan	Carbondale EMA/ fire dept
		Mitchell, Steven	Economic Development Director
Carbondale Township	Jurisdiction	Bilderback, Michael	Fire Chief
		Dennis Poshard	Township Supervisor
De Soto	Jurisdiction	Hexamer, Doug	Village president
		Parks, Paula	Village Clerk
		Doan, Ben	Chief of Police
Dowell	Jurisdiction	Groves, Mindy	Village Clerk
Elkville	Jurisdiction	Wright, Lauana	Village Clerk
Gorham	Jurisdiction	Guetersloh, Ron	Fire Chief
		Howell, Dennis	Board Member
		Howell, Karissa	Volunteer
		VanPelt, Jessica	Volunteer
Grand Tower	Jurisdiction	Freeman, Josh	Mayor
Makanda	Jurisdiction	Shingleton, Tina	Village President
		Yambert, Leslie	Village Clerk
		Ross, Elaine	Village Trustee
		Dalton, Janet	Village Trustee
Murphysboro	Jurisdiction	McBride, Steve	Fire Chief
		Manwaring, Brian	Director, Murphysboro EMA
Vergennes	Jurisdiction	Clark, Shannon	Fire Chief
		Sherman, Patricia (Trish)	Treasurer, Clerk, Office Manager

Name of municipality/organization	Participation Type	Name(Last,First)	Title
Schools			
CCHS 165	Jurisdiction	Dillow, Stephanie	School Resource Officer
		Booth, Daniel	Superintendent
Shawnee CUSD 84	Jurisdiction	Clover-Hill, Shelly	District Superintendent
Southern Illinois University	Jurisdiction	Sherill, Tatiana	Safety Officer III
		Remo, Jonathon	Associate Professor, Geography and Environmental Resources
		Newman, Benjamin	Chief of Police
Unity Pointy School	Jurisdiction	Goff, Mary	Dean of Students
Carbondale Elementary School District 95	Stakeholder	Trimberger, Eric	Business Manager
De Soto School District 86	Jurisdiction	Mayerhofer, Steve	Superintendent
Elverado CUSD 196	Jurisdiction	Spain, Kevin	Superintendent
TRICO CUSD 176	Jurisdiction	Lovel, Larry	Superintendent
Murphysboro school district	Stakeholder	Evers, Andrea Dr.	Superintendent
Health/ Emergency Jurisdictions			
Jackson County Ambulance Service	Jurisdiction	Kuhns, Mark	Major
		Schafer, Kenton	Director
Regional Hospital Coordinating Center	Stakeholder	Herrmann, Arien	Region V manager
		Caffrey-Bey, Tamara	Regional Emergency Planning Coordinator
Jackson County Health Department	Jurisdiction	Grammer, Jessica	Preparedness & Compliance Specialist
Jackson County 911	Stakeholder	Woker, Melinda	Director
Other			
Degognia-fountain Bluff Levee District	Jurisdiction	Holt, Mark	Levee commissioner
		VanPelt, Rita	Secretary/treasurer
Grand Tower Levee District	Stakeholder	McMahan, Shawn	Levee commissioner
Kinkaid-Reed's Creek Conservancy District	Jurisdiction	Wilmouth, Scott	Manager
		Jenkins, JT	Water Plant Superintendent
Southern Illinois Airport Authority	Jurisdiction	Shafer, Gary	Manager
Franklin County EMA	Neighboring Jurisdiction	Buckingham, Ryan	Director
Jefferson County EMA	Neighboring Jurisdiction	Lueker, Steve	Coordinator
		Hertenstein, Keith	Assistant Coordinator
Williamson County EMA	Neighboring Jurisdiction	Burgess, Brian	Director
		Creek, Pat	Deputy Director
Perry County EMA	Neighboring Jurisdiction	Genesio, Charles	Director

Appendix 2: Jackson County Essential Facilities

Ambulance Stations

Name	Address	City	Zip	Backup Power	Kitchen	Shelter Capacity	Equipment	Sq Ft	Replacement Value	Census Tract
Jackson County Ambulance Service Headquarters	520 North University Avenue	Carbondale	62901	Yes	Y, Small	15-20	3-Advanced Life Support licensed and equipped ambulances; 1-Advanced Life Support licensed command non-transport truck 4X4; 1-SUV 4x4	5220	\$1,013,273	17077010800
Jackson County Ambulance Service-Station 2	1439 North 14th Street	Murphysboro	62966	No	Y, Small	10	2-Advanced Life Support licensed and equipped ambulances	1980	\$375,994	17077010400
Jackson County Ambulance Service-Station 3	302 South 3rd Street	Ava	62907	No	Y, Small	10	2-Advanced Life Support licensed and equipped ambulances	1620	\$369,435	17077010100

Fire Stations

Name	Address	City	Zip	Backup Power	Kitchen	Shelter Capacity	Equipment	Sq Ft	Replacement Value	Census Tract
Ava Fire Department	312 W Main St	Ava	62907					11000	\$2,796,530	17077010100
Campbell Hill Rural Fire District 162	109 West Front Street	Campbell Hill	62916					11000	\$2,796,530	17077010100
Carbondale Fire Department Station 1	600 E. College St	Carbondale	62901	Y	Y			11000	\$2,796,530	17077011200
Carbondale Fire Department Station 2	401 N. Glenview	Carbondale	62901	Y	Y			10840	\$3,100,000	17077010800
Carbondale Township Fire Department	1125 E Park St	Carbondale	62901					11000	\$2,796,530	17077011400
De Soto Township Fire Protection District	210 W Lincoln St	De Soto	62924					11000	\$2,796,530	17077010200
Dowell Volunteer Fire Department	215 Union Ave	Dowell	62927					11000	\$2,796,530	17077010200
Elkville Volunteer Fire Department	103 N 5th St	Elkville	62932					11000	\$2,796,530	17077010200
Gorham Volunteer Fire Department	205 Washington St	Gorham	62940					11000	\$2,796,530	17077010300
Grand Tower (Tower Rock) Fire Department	620 Front St	Grand Tower	62942					11000	\$2,796,530	17077010300
Makanda Township Volunteer Fire Dept Station 1	5420 Old Highway 51	Carbondale	62903					11000	\$2,796,530	17077011600
Makanda Township Volunteer Fire Dept Station 2	5975 Giant City Rd	Carbondale	62902					11000	\$2,796,530	17077011600
Murphysboro Fire Department Station 1	219 North 10TH ST	Murphysboro	62966	Y				11000	\$2,796,530	17077010700
Murphysboro Fire Department Station 2	1616 Pine St	Murphysboro	62966					11000	\$2,796,530	17077010700
Murphysboro-Pomona-Somerset Fire Protection Station 2	771 Kimmel Bridge Rd	Murphysboro	62966					11000	\$2,796,530	17077010400
Murphysboro-Pomona-Somerset Fire Protection Station 1	322 S Williams St	Murphysboro	62966					11000	\$2,796,530	17077010700
Vergennes Fire Department	700 W Porter Ave	Vergennes	62994					11000	\$2,796,530	17077010100

Emergency Operations Centers

Name	Address	City	Zip	Backup Power	Sq Ft	Replacement Value	Census Tract
Carbondale Emergency Operations Center	401 N. Glenview	Carbondale	62901	Yes	10840	\$3,100,000	17077010800
Jackson County Emergency Operations Center	1001 Mulberry St.	Murphysboro	62966	Yes	11000	\$2,796,530	17077010700

Hospitals

Name	Address	City	Zip	# Beds	Backup Power	Kitchen	Shelter Capacity	Sq Ft	Replacement Value	Census Tract
Memorial Hospital of Carbondale	405 W Jackson St	Carbondale	62901	159	Yes				\$21,633,143	17077010800
St Joseph Memorial Hospital	2 Hospital Dr	Murphysboro	62966	25	Yes				\$3,401,438	17077010400

Police Stations

Name	Address	City	Zip	Backup Power	Kitchen	Shelter Capacity	Sq Ft	Replacement Value	Census Tract
Ava Police Department	312 W Main St	Ava	62907				11000	\$2,796,530	17077010100
Carbondale Police Department	501 S. Washington Street	Carbondale	62901	Yes			32000	\$9,325,090	17077011200
Desoto Police Department	210 W Lincoln St	De Soto	62924				11000	\$2,796,530	17077010200
Dowell Village Police Department	215 Union Ave	Dowell	62927				11000	\$2,796,530	17077010200
Elkville Police Department	507 E Kimmel St	Elkville	62932				11000	\$2,796,530	17077010200
Jackson County Sheriff's Department	1001 Mulberry St	Murphysboro	62966	Yes			11000	\$2,796,530	17077010700
Murphysboro Police Department	202 N 11th St	Murphysboro	62966	Yes			11000	\$2,796,530	17077010700
Southern Illinois Airport Authority	605 N Airport Rd, Suite 205	Murphysboro	62966				11000	\$2,796,530	17077010800
SIU Carbondale Police	1175 South Washington St.	Carbondale	62901				11000	\$2,796,530	17077011702

Schools

County	District/Type	Name	Address	City	Zip	Kitchen	Shelter Capacity	Sq Ft	Replacement Value	Census Tract
Jackson	Carbondale Elementary Dist #95	Carbondale Middle School	1150 East Grand Avenue	Carbondale	62901			32714.29	\$6,596,182	17077011200
Jackson	Carbondale Elementary Dist #95	Lewis Elementary School	801 S. Lewis Lane	Carbondale	62901			21142.86	\$4,263,035	17077011200
Jackson	Carbondale Elementary Dist #95	Parrish School	121 N Parrish Ln.	Carbondale	62901			38571.43	\$7,777,158	17077011000
Jackson	Carbondale Elementary Dist #95	Thomas Elementary School	1025 North Wall Street	Carbondale	62901			24785.71	\$4,997,543	17077010900
Jackson	CCHS District #165	Carbondale Community High School	1301 E Walnut St	Carbondale	62901			78714.29	\$15,871,162	17077011200
Jackson	De Soto Cons. School Dist #86	DeSoto Grade School	311 Hurst Rd	De Soto	62924			17428.57	\$3,514,123	17077010200
Jackson	Elverado CUSD #196	Elverado High School	514 S 6th St	Elkville	62932			10642.86	\$2,145,920	17077010200
Jackson	Elverado CUSD #196	Elverado Intermediate	190 Harrison St	Vergennes	62994			7428.571	\$1,497,823	17077010100
Jackson	Elverado CUSD #196	Elverado Junior High	190 Harrison St	Vergennes	62994			6357.143	\$1,281,791	17077010100
Jackson	Elverado CUSD #196	Elverado Primary School	114 S 8th St	Elkville	62932			9000	\$1,814,670	17077010200
Jackson	Giant City CCSD #130	Giant City School	1062 Boskydell Rd	Carbondale	62902			18571.43	\$3,744,557	17077011600
Jackson	Murphysboro CUSD #186	Carruthers Elementary School	80 Candy Ln	Murphysboro	62966			33500	\$6,754,605	17077010400
Jackson	Murphysboro CUSD #186	General John A Attendance Center	320 Watson Rd	Murphysboro	62966			36357.14	\$7,330,691	17077010700
Jackson	Murphysboro CUSD #186	McElvain School	593 Ava Rd	Murphysboro	62966			9214.286	\$1,857,876	17077010400
Jackson	Murphysboro CUSD #186	Murphysboro High School	50 Blackwood Dr	Murphysboro	62966			45500	\$9,174,165	17077010400
Jackson	Murphysboro CUSD #186	Murphysboro Middle School	2125 Spruce St	Murphysboro	62966			34785.71	\$7,013,843	17077010600
Jackson	Not-for-profit Private School	Brehm Preparatory School	950 S Brehm Ln	Carbondale	62901			5642.857	\$1,137,769	17077011400
Jackson	Not-for-profit Private School	Carbondale New School	1302 E Pleasant Hill Rd	Carbondale	62902			5071.429	\$1,022,552	17077011700
Jackson	Private School	Immanuel Lutheran School	1915 Pine St	Murphysboro	62966			3071.429	\$619,292	17077010600
Jackson	Private School	Montessori School of Southern Illinois	507 N 9th St	Murphysboro	62966			428.5714	\$86,413	17077010700
Jackson	Private School	Saint Andrew School	723 Mulberry St	Murphysboro	62966			9428.571	\$1,901,083	17077010700
Jackson	Private School	Trinity Cristian School	1218 West Freeman St.	Carbondale	62901			9785.714	\$1,973,094	17077011000
Jackson	Public University	Southern Illinois Univ. - Carbondale	1263 Lincoln Dr	Carbondale	62901			1595333	\$272,881,750	17077011700
Union	Shawnee CUSD #84	Shawnee Elementary School / Junior & Senior High	3365 IL-3	Wolf Lake	62998	Y, commercial	1914	22000	\$20,000,000	17181950200
Jackson	Tri County	COPE Alternative School	1725 B Shomaker Dr	Murphysboro	62966			1142.857	\$230,435	17077010600
Jackson	Tri County	TC Center School & Education Annex	1725 Shomaker Dr	Murphysboro	62966			642.8571	\$129,620	17077010600

County	District/Type	Name	Address	City	Zip	Kitchen	Shelter Capacity	Sq Ft	Replacement Value	Census Tract
Jackson	Trico CUSD #176	Trico Elementary School	16343 Highway 4	Campbell Hill	62916			31357.14	\$6,322,541	17077010100
Jackson	Trico CUSD #176	Trico High School	16533 Highway 4	Campbell Hill	62916			19071.43	\$3,845,372	17077010100
Jackson	Trico CUSD #176	Trico Junior High School	16533 Highway 4	Campbell Hill	62916			20928.57	\$4,219,828	17077010100
Jackson	Unity Point CCSD #140	Unity Point School	4033 S Illinois Ave	Carbondale	62903			54357.14	\$10,960,031	17077011600

Appendix 3: Risk Indices

Hazard	Avg risk index	# lists included	total lists received	% importance	weighted risk index
epidemic	15.10	21	29	0.72	10.93
tornado	13.08	26	29	0.90	11.72
earthquake	10.67	27	29	0.93	9.93
levee failure	10.40	10	29	0.34	3.59
cyber attack	10.25	4	29	0.14	1.41
utility disruption	10.00	3	29	0.10	1.03
winter storm	7.92	25	29	0.86	6.83
flooding	7.86	22	29	0.76	5.97
dam failure	7.60	5	29	0.17	1.31
thunderstorm	7.54	26	29	0.90	6.76
hazmat release	6.65	23	29	0.79	5.28
active shooter	6.50	2	29	0.07	0.45
extreme heat	6.05	20	29	0.69	4.17
meteor	3.83	6	29	0.21	0.79
terrorism	3.42	12	29	0.41	1.41
ground failure	3.15	13	29	0.45	1.41
wildfire	2.75	8	29	0.28	0.76
landslide	2.00	4	29	0.14	0.28
infestation	2.00	3	29	0.10	0.21
invasive spp	2.00	3	29	0.10	0.21

Ava	
Hazard	Risk Index
earthquake	12
tornado	12
winter storm	8
thunderstorm	4

Campbell Hill	
Hazard	Risk Index
epidemic	32
tornado	32
earthquake	24
thunderstorm	16
hazmat	6
winter storm	6
flooding	4
ground failure	2
terrorism	2
infestation/invasives	1
meteor	1

Carbondale	
Hazard	Risk Index
earthquake	16
dam failure	8
epidemic	8
thunderstorm	8
tornado	6
hazmat	4
wildfire	4
winter storm	4
terrorism	2

Carbondale Township	
Hazard	Risk Index
Thunderstorm	16
winter storm	16
earthquake	12
flooding	6
ground failure	6
wildfire	4
extreme heat	3
hazmat	2

Desoto	
Hazard	Risk Index
tornado	24
winter storm	12
epidemic	8
extreme heat	6
thunderstorm	6
earthquake	4
hazmat	4

Dowell	
Hazard	Risk Index
meteor	8
tornado	6
earthquake	4
winter storm	4
thunderstorm	4
ground failure	4
epidemic	2
extreme heat	2
hazmat	1

Elkville	
Hazard	Risk Index
epidemic	32
tornado	32
winter storm	32
thunderstorm	32
flooding	8
extreme heat	8
earthquake	4

Gorham	
Hazard	Risk Index
Levee Failure	16
hazmat	16
tornado	12
flooding	8
earthquake	8
thunderstorm	6

Grand Tower	
Hazard	Risk Index
epidemic	32
earthquake	16
hazmat	16
levee failure	16
tornado	16
flooding	8
thunderstorm	4
winter storm	3

Makanda	
Hazard	Risk Index
hazmat	24
epidemic	16
cyberattack	16
winter storm	16
earthquake	12
flooding	12
extreme heat	12
tornado	12
terrorism	8
meteor	8
thunderstorm	6
landslide	4
ground failure	4
wildfire	4

Murphysboro	
Hazard	Risk Index
epidemic	32
tornado	24
earthquake	24
thunderstorm	16
flooding	8
winter storm	4
hazmat	2
mine subsidence	2

Vergennes	
Hazard	Risk Index
tornado	12
utility disruption	12
epidemic	9
earthquake	8
flooding	8
winter storm	8
hazmat	6
terrorism	1
cyberattack	1
extreme heat	1
ground failure	1
infestation/invasives	1
thunderstorm	1
meteor	1
landslide	1
wildfire	1

County EMA	
Hazard	Risk Index
earthquake	16
epidemic	16
cyberattack	12
terrorism	12
tornado	12
utility disruption	12
extreme heat	8
flooding	8
thunderstorm	8
winter storm	8
hazmat	8
dam/levee failure	6

Murphysboro fire	
Hazard	Risk Index
tornado	16
earthquake	8
thunderstorm	8
flooding	6
winter storm	6
extreme heat	4
terrorism	4
hazmat	3
epidemic	2
levee failure	2
ground failure	2

SI Airport Authority	
Hazard	Risk Index
earthquake	24
tornado	16
epidemic	12
winter storm	12
extreme heat	6
flooding	6
thunderstorm	4
terrorism	4
hazmat	3

KRCCD	
Hazard	Risk Index
earthquake	16
hazmat release	16
dam failure	8
flooding	4
tornado	4
winter storm	3
levee failure	2
extreme heat	2
landslide	1

RHCC	
Hazard	Risk Index
cyber attack	12
epidemic	12
hazmat release	12
dam failure	8
earthquake	8
extreme heat	8
tornado	8
flooding	6
utility disruption	6
ground failure	4
infestation/invasives	4
meteor	4
terrorism	4
wildfire	4

Degonia/ft bluff levee dist.	
Hazard	Risk Index
erosion/sand boils	24
tornado	16
earthquake	8
levee failure	8
flooding	6
ground failure	4
winter storm	3
thunderstorm	2
meteor	1
terrorism	1
wildfire	1

Shawnee CUSD	
Hazard	Risk Index
levee failure	16
flooding	12

SIU EHS	
Hazard	Risk Index
earthquake	8
epidemic	8
tornado	8
winter storm	8
extreme heat	4
hazmat	4
thunderstorm	4
terrorism	2

CCHS	
Hazard	Risk Index
tornado	8
winter storm	8
earthquake	6
epidemic	6
hazmat	6
extreme heat	4
flooding	4
thunderstorm	4
terrorism	1

Carterville sd	
Hazard	Risk Index
earthquake	16
epidemic	16
tornado	16
dam failure	8
thunderstorm	8
flooding	4
hazmat	4
winter storm	3
extreme heat	3
ground failure	2

Murphysboro school district	
Hazard	Risk Index
epidemic	32
thunderstorm	8
extreme heat	8
tornado	6
earthquake	4
flooding	4
ground failure	4
hazmat	4
levee failure	4
winter storm	4

De Soto SD 86	
Hazard	Risk Index
epidemic	8
extreme heat	8
flooding	8
tornado	8
winter storm	8
earthquake	4
terrorism	4
meteor	4

CES95	
Hazard	Risk Index
earthquake	8
tornado	8
winter storm	8
extreme heat	4
flooding	4
thunderstorm	4

Trico CUSD 176	
Hazard	Risk Index
epidemic	24
levee failure	18
flooding	15
tornado	6
thunderstorm	6
ground failure	6
hazmat	4
earthquake	2

Giant City School	
Hazard	Risk Index
tornado	16
earthquake	12
extreme heat	8
terrorism	8
thunderstorm	8
epidemic	6
hazmat	4

Risk Assessment Worksheets

Below is the example worksheet of the Jackson County Risk Assessment and responses from Planning Team members.

	
Jackson County Hazard Risk Assessment	
Each jurisdiction must come up with their own risk assessment. Use this document to assist you and your jurisdiction in identifying potential hazards within your area. After creating a list of hazards, use the risk index equation to calculate a risk for each disaster within your community. Once you have completed the assessment, please email your form to ciaranixon@greateregyp.org. If you have any question regarding this assessment, feel free to contact Ciara by email or telephone at 618-997-9351 ext. 29. <i>Thank you.</i>	
<u>Your Information:</u>	
Name:	
Job Title:	
Date:	
Time allotted for this document:	
<u>Check the jurisdiction you represent:</u>	
☐ Jackson County ☐ City of Ava ☐ Village of Campbell Hill ☐ City of Carbondale ☐ Village of De Soto ☐ Village of Dowell ☐ Village of Elkhville	☐ Village of Gorham ☐ City of Grand Tower ☐ Village of Makanda ☐ City of Murphysboro ☐ City of Vergennes ☐ Other:

Let's start by thinking about any and all-natural hazards that have affected your community in the past. Do any historical natural hazard events come to mind? If so, start your list of possible natural hazards with experiences that you have been through or have heard of within your community. What happened previously is a great guide in planning and preparing for what may happen again. Even for events that took place 100 or more years ago, there is still the possibility that it could happen again.

Though this list may start with your own personal experiences or based off of stories you've heard, this should not be the only way you come up with a list of natural hazards. There are other natural hazards that may be possible in the future, that may not have happened yet. The nature of some threats may change overtime, whether that is due to weather pattern changes, or just the rarity of that threat happening. It's always good to be prepared for anything and everything, and remember:

*It's not **IF** it happens, it's **WHEN** it happens.*

Below are two different lists of hazards. The first list is of hazards that have historic data in the state of Illinois. The second list of hazards are less probable to happen in Illinois, but are still possible.

Check the box next to each hazard you feel your community should be prepared for.

List of Possible Hazard:

- | | |
|--|---|
| ☐ Dam Failure | ☐ Landslide |
| ☐ Earthquake | ☐ Levee Failure |
| ☐ Epidemic | ☐ Meteor Impact |
| ☐ Extreme Heat | ☐ Terrorism |
| ☐ Flooding | ☐ Thunderstorm |
| ☐ Ground Failure (mine subsidence/karst/sinkhole) | ☐ Tornado |
| ☐ Hazardous Materials Event | ☐ Volcanic Eruption |
| ☐ Infestation | ☐ Wildfire |
| ☐ Invasive Species | ☐ Winter storm/Ice storm |

Are there any other hazards that your community would like to add to their list?

Now, to rank the hazards from the list that you have created, we first need to understand the Risk Index equation.

RISK INDEX = PROBABILITY * SEVERITY

The PROBABILITY of an event is how likely the event will occur.

The SEVERITY of the event is the degree to which a hazard affects the functionality of society and the natural environment.

Use the table below to give each hazard a probability and severity ranking. Then, use the above equation to complete the hazard risk assessment by giving each hazard a risk index. Use the risk index of each hazard to then rank each hazard by most threatening/important to least threatening/importance.

Probability	Characteristics
4 – Highly Likely	Event is probable within the next calendar year. These events have occurred, on average, once every 1-2 years in the past.
3 – Likely	Event is probable within the next 10 years. Event has a 10-15% chance of occurring in any given year. These events have occurred, on average, once every 3-10 years in the past.
2 – Possible	Event is probable within the next 50 years. Event has a 2-10% chance of occurring in any given year. These events have occurred, on average, once every 10-50 years in the past.
1 – Unlikely	Event is probable within the next 200 years. Event has a 0.5-2% chance of occurring in any given year. These events have occurred, on average, once every 50-200 years in the past.

Severity	Characteristics
8 – Catastrophic	Multiple deaths. Complete shutdown of facilities for 30 or more days. More than 50% of property is severely damaged.
4 – Critical	Injuries and/or illnesses result in permanent disability. Complete shutdown of critical facilities for at least 14 days. More than 25% of property is severely damaged.
2 – Limited	Injuries and/or illnesses do not result in permanent disability. Complete shutdown of critical facilities for more than seven days. More than 10% of property is severely damaged.
1 – Negligible	Injuries and/or illnesses are treatable with first aid. Minor quality of life lost. Shutdown of critical facilities and services for 24 hours or less. Less than 10% of property is severely damaged.

[illegible]

Jackson County EMA, Orval Rowe

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	2	8	16	1
Epidemic/Pandemic	2	8	16	2
Tornado	3	4	12	3
Utility Disruption	3	4	12	4
Cyber-Attack Data	3	4	12	5
Active Shooter Incident	3	4	12	6
Flood	4	2	8	7
Severe Weather (Year Around)	4	2	8	8
Train Derailment	2	4	8	9
Hazardous Material Release	3	2	6	10
Dam/Levee Failure	2	3	6	11
Pipeline Explosion	2	2	4	12
Acidic Ponds	2	2	4	13
Ground Failure	2	1	2	14

Village of Makanda, Tina Shingleton

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	3	4	12	12
Epidemic	4	4	16	16
Extreme Heat	3	4	12	12
Flooding	3	4	12	12
Ground Failure	2	2	4	4
Hazardous Materials	3	8	24	24
Landslide	2	2	4	4
Meteor Impact	2	4	8	8
Terrorism	2	4	8	8
Thunderstorm	3	2	6	6
Tornado	3	4	12	12
Wildfire	2	2	4	4
Winter Storm/Ice Storm	4	4	16	16
Cyber Security	4	4	16	16

RHCC region V, Arien Herrmann

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Dam Failure/ Levee Failure	1	8	8	2
Earthquake	1	8	8	2
Epidemic	3	4	12	1
Extreme Heat	4	2	8	2
Flooding	3	2	6	3
Ground Failure	2	2	4	4
Hazardous Materials Event	3	4	12	1
Infestation	2	2	4	4
Invasive Species	2	2	4	4
Landside	2	1	2	6
Space Weather	2	2	4	4
Terrorism	1	4	4	4
Thunderstorm	3	1	3	5
Tornado	2	4	8	2
Wildfire	1	4	4	4
Winter Storms	2	1	2	6
Draught	2	1	2	6
Cyber Attack	3	4	12	1
Utility Disruption	3	2	6	3
Chemical, Bio, Radiologic, Nuclear	2	2	4	4
Civil Disruption	2	4	8	2

City of Ava, Candice Cotter

Hazard	Probability (1-4)	Severity (1,2,4, or B)	Risk Index (P*I)	Rank
Earthquake	3	4	12	
Thunderstorm	4	1	5	
Winter Storm/Ice Storm	4	2	8	
Tornado	3	4	12	

Giant City CCSD #30, Belinda Hill

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	3	4	12	2
Epidemic	3	2	6	7
Extreme Heat	2	4	8	5
Hazardous Materials Event	2	2	4	8
Terrorism	2	4	8	6
Thunderstorm	4	2	8	4
Tornado	4	4	16	1
Winter storm/Ice storm	4	2	8	3

Southern Illinois University - Carbondale, Tatiana Sherill

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	2	2/4/	4/8	4
Epidemic	2	4	8	3
Extreme Heat	4	1	4	2
Hazardous Materials Event	4	1	4	1
Thunderstorm	4	1	4	5
Tornado	2	2/4	4/8	7
Winter Storm/Ice Storm	4	1/2	4/8	6
Terrorism	1	2	2	8

CESD #95, Eric Trimberger

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index {P*I}	Rank
Winter Storm/Ice	4	2	8	1
Tornado	2	4	8	2
Earthquake	2	4	8	3
Flooding	2	2	4	4
Thunderstorm	4	1	4	5
Extreme Heat	4	1	4	6

CCHS 165, Stephanie Dillow

Hazard	Probability {1-4}	Severity {1,2,4, or 8}	Risk Index {P*I}	Rank
Earthquake	3	2		8
Epidemic	3	2		6
Extreme Heat	4	1		2
Flooding	4	1		5
Hazardous Materials Event	3	2		7
Terrorism	1	1		9
Thunderstorm	4	1		4
Tornado	4	2		3
Winter storm/Ice storm	4	2		1

Carbondale Township Fire Dept., Michael Bilderback

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Thunderstorm	4	4	16	1
Winter storm/Ice storm	4	4	16	2
Wildfire	2	2	4	4
Earthquake	3	4	12	3
Extreme Heat	3	1	3	7
Flooding	3	2	6	5
Ground Failure	3	2	6	6
Hazardous Materials Event	1	2	2	8

Trico CUSD 195, Larry Lovel

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
EARTHQUAKE	1	2	2	5
EPIDEMIC	4	6	24	1
FLOODING	3	5	15	3
GROUND FAILURE	3	2	6	4
HAZARDOUS MATERIALS	2	2	4	7
LEEVE FAILURE	3	6	18	2
THUNDERSTORM	2	3	6	4
TORNADO	2	3	6	4

Degonia-Fountain Bluff Levee District, Mark Holt

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	1	8	8	3
Flooding	3	2	6	4
Hazardous Materials Event	2	2	4	5
Levee Failure	1	8	8	3
Meteor Impact	1	1	1	8
Terrorism	1	1	1	8
Thunderstorm	2	1	2	7
Tornado	2	8	16	2
Wildfire	1	1	1	8
Winter Storm/Ice Storm	3	1	3	6
Sand Boils and Erosion	3	8	24	1

De Soto SD #86, Steve Mayerhofer

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	1	4	4	7
Epidemic	2	4	8	2
Extreme Heat	4	2	8	5
Flooding	2	4	8	3
Meteor Impact	1	4	4	8
Terrorism	1	4	4	6
Thunderstorm	4	1	4	9
Tornado	2	4	8	1
Winter Storm	4	2	8	4

Village of Dowell, Mindy Groves

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Meteor Impact	1	8	8	1
Tornado	3	2	6	2
Thunderstorm	4	1	4	3
Earthquake	2	2	4	3
Ground Failure	2	2	4	3
Winter Storm	2	2	4	3
Epidemic	2	1	2	4
Extreme Heat	2	1	2	4
Hazardous Materials	1	1	1	5

City of Carbondale, Dylan Fairfield

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Dam Failure	1	8	8	2
Earthquake	2	8	16	1
Epidemic	2	4	8	4
Hazardous Materials Event	4	1	4	6
Terrorism	2	1	2	9
Thunderstorm	4	2	8	3
Tornado	3	2	6	5
Wildfire	4	1	4	8
Winter storm/Ice storm	4	1	4	7

Village of Elkhart, Lauana Wright

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	2	2		
Epidemic	4	8		
Extreme Heat	4	2		
Flooding	4	2		
Thunderstorm	4	8		
Tornado	4	8		
Winter Storm / Ice Storm	4	8		

SI Airport, Gary Shafer

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	3	8	24	1
Epidemic	3	4	12	3
Extreme Heat	3	2	6	4
Flooding	3	2	6	4
Hazardous Materials	3	1	3	6
Terrorism	2	2	4	5
Thunderstorm	4	1	4	5
Tornado	4	4	16	2
Winter Storm/Ice Storm	3	4	12	3

Village of Gorham, Dennis Howell & Karissa Howell

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	1	4	4	6
Epidemic	2	2	4	5
Extreme Heat	4	4	16	3
Flooding	3	8	24	1
Hazardous Material Event	1	2	2	9
Levee Failure	2	8	16	2
Thunderstorm	4	2	8	4
Tornado	2	2	4	7
Wildfire	2	1	2	10
Winter Storm/Ice Storm	2	2	4	8

City of Grand Tower, Josh Freeman

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	2	8	16	3
Levee Failure	2	8	16	2
Flooding	4	2	8	6
Epidemic	4	8	32	1
Hazardous Material Event	2	8	16	4
Winter Storm	3	1	3	8
Tornado	2	8	16	5
Severe Thunderstorm	4	1	4	7

Elverado CUSD #196, Kevin Spain

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	1	1	1	7
Epedemic	2	2	4	4
Ground Fault	2	1	2	6
Hazardous Materials	2	2	4	5
Thunderstorm	4	1	4	3
Tornado	3	2	6	2
Winter storm/Ice storm	3	2	6	1

Village of Campbell Hill, Laci Misselhorn

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	3	8	24	2
Epidemic	4	8	32	1
Extreme Heat	3	2	6	4
Flooding	2	2	4	5
Ground Failure	1	2	2	6
Hazardous Material	3	2	6	4
Infestation	1	1	1	7
Invasive Species	1	1	1	8
Meteor Impact	1	1	1	9
Terrorism	2	1	2	6
Thunderstorm	4	4	16	3
Tornado	4	8	32	1
Winter Storm / Ice Storm	3	2	6	4

Kinkaid-Reed's Conservancy District, Scott Wilmouth

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Dam Failure	1	8	8	3
Earthquake	2	8	16	1
Extreme Heat	2	1	2	11
Flooding	4	1	4	6
Ground Failure	2	1	2	8
Hazardous Materials Event	2	8	16	2
Landslide	1	1	1	12
Levee Failure	2	1	2	10
Thunderstorm	4	1	4	5
Tornado	4	1	4	4
Wildfire	2	1	2	9
Winter Storm/Ice Storm	3	1	3	7

Murphysboro CUSD #186, Dr. Andrea Evers

Hazard	Probability {1-4}	Severity {1,2,4, or 8}	Risk Index {P*I}	Rank
Earthquake	2	2		
Epidemic	4	8		
Extreme Heat	4	2		
Flooding	2	2		
Ground Failure	2	2		
Hazardous Material Event	2	2		
Levee Failure	2	2		
Thunderstorm	4	2		
Tornado	3	2		
Winter Storm	4	1		

City of Murphysboro, Brian Manwaring

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Tornado	3	8	24	2
Severe Thunderstorm	4	4	16	4
River Flooding	4	2	8	5
Flash Flooding	4	2	8	5
Earthquake	3	8	24	3
Mine Subsidence	2	1	2	8
Haz Mat	2	1	2	7
Winter Storm	4	1	4	6
Epidemic	4	8	32	1

City of Murphysboro, Steve McBride

Hazard	Probability {1-4}	Severity {1,2,4, or 8}	Risk Index {P*I}	Rank
Earthquake	2	4		
Epidemic	1	2		
Extreme Heat	2	2		
Flooding	3	2		
Ground Failure	2	1		
Hazmat	3	1		
Levee Failure	2	1		
Terrorism	2	2		
Thunderstorm	4	2		
Tornado	4	4		
Winter Storm	3	2		

Grand Tower Levee Commission, Shawn McMahan

Hazard	Probability {1-4}	Severity {1,2,4, or 8}	Risk Index {P*I}	Rank
flooding	2			
levee failure		7		
storms			9	

Shawnee CUSD #84, Shelly Clover

Hazard	Probability {1-4}	Severity {1,2,4, or 8}	Risk Index {P*I}	Rank
Flooding	3	4	12	2
Levee failure	2	8	16	1

Village of Vergennes, Patricia Sherman

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	1	8	8	5
Epidemic	3	3	9	3
Extreme Heat	1	1	1	10
Flooding	4	2	8	6
Ground Failure	1	1	1	11
Haz Mat event	3	2	6	8
Infestation	1	1	1	12
Invasive Species	1	1	1	13
Landslide	1	1	1	14
Meteor Impact	1	1	1	15
Terrorism	1	1	1	9
Thunderstorm	1	1	1	7
Tornado	1	4	12	1
Wildfire	1	1	1	16
Winter Storm/Ice storm	4	2	8	4
Utility Disruption	1	4	12	2
Cyber Attack	1	1	1	17
Active Shooter	1	1	1	18

Village of De Soto, Doug Hexamer

Hazard	Probability (1-4)	Severity (1,2,4, or 8)	Risk Index (P*I)	Rank
Earthquake	2	2	4	5
Epidemic	2	4	8	3
Extreme Heat	3	2	6	4
Hazardous Materials Event	2	2	4	5
Thunderstorm	3	2	6	4
Tornado	3	8	24	1
Winter storm/Ice storm	3	4	12	2

Appendix 4: Meeting Minute & Attendance



Jackson County Multi-Hazard Mitigation Plan Meeting 1 Minutes

June 17, 2021 – 6:00 PM

County EMA Coordinator: Sheriff Robert Burns

County EMA Deputy Coordinator: Orval Rowe

Zoom (virtual) Meeting

Planning Team Attendance: 25

Tyler Carpenter (Greater Egypt) opened the meeting and introduced Orval Rowe, EMA Deputy Director of Jackson County. Orval gave opening remarks regarding the history of the Multi-hazard Mitigation Planning (MHMP) process and the importance of the planning team.

Tyler Carpenter reviewed the MHMP process which includes: hazard mitigation history and assistance, local MHMP process, and adoption of the plan. He explained the planning process involves forming a planning team to assist in identifying hazards, developing mitigation strategies, and match requirements. An emphasis was placed on participation in the plan and funding for jurisdictions.

Kelsey Bowe (Greater Egypt) presented historical hazards in Jackson County. She also identified hazards that have been included in previous plans for Jackson County. Kelsey introduced the critical facilities data. This dataset will need to be updated for the HAZUS models to be more accurate. The Planning Team will need to review the critical facilities map.

Ciara Nixon (Greater Egypt) explained the process to assess risk from hazards. The Planning Team will be required to complete the Hazard Ranking exercise for their jurisdiction. This utilizes the Risk Priority Index Equation. Planning partners were given time to complete the exercise. Partners will also be able to finish the exercise at outside of the meeting. Greater Egypt will provide assistance for the exercise. Meeting materials will be available at: <http://greateregypt.org/hazard-mitigation-planning/>.

Planning partners discussed the need for the plan to identify personnel available to assist during, or following a disaster. This includes the Army National Guard.

The meeting was adjourned.

Meeting Attendance
Meeting 1: June 17, 2021 6:00 PM
<i>Name</i>
Orval Rowe
Brian Manwaring
Eric Trimberger
Gene Basden
Jessica Grammer
Julie Peterson
Mark Kuhns
Kenton Schafer
Mitch Burdick
Rodney Anderson
Shelly Clover-Hill
Tatiana Sherill
Tim Moloney
Tina Shingleton
Tamiko Mueller
Doug Wilson
Stephanie Dillow
Shannon Clark
Jennifer Lindsey
Robert Burns
Tyler Carpenter
Ciara Nixon
Kelsey Bowe



Jackson County Multi-Hazard Mitigation Plan

Meeting 2 Minutes

Sept 28, 2021 - 10:00 AM
County EMA Coordinator: Sheriff Robert Burns
County EMA Deputy Coordinator: Orval Rowe
Zoom (virtual) Meeting
Planning Team Attendance: 39

Tyler Carpenter (Greater Egypt) opened the meeting and gave introductory remarks. Meeting attendees were encouraged to introduce themselves through the chat feature.

Mr. Carpenter reviewed the Planning Updates and the timeline of the MHMP. He explained the planning process involves collaboration within the jurisdictions in order to assist in identifying hazards, developing mitigation strategies, and match requirements. An emphasis was placed on participation in the plan and the match funding for officials in the jurisdictions. He also discussed what to expect leading up to the next MHMP meeting (match survey and strategies exercises).

Kelsey Bowe (Greater Egypt) presented requirements for Jackson County MHMP plans. She also identified hazards that have been included in previous plans for Jackson County. Different hazards and their damages were discussed for Jackson County. Ms. Bowe introduced the initial hazard models and the areas of impact within the Murphysboro and Carbondale areas. She also discussed the different cost of damages within a range of a modeled earthquake's 'epicenter' and the overall severity of earthquakes causing injury or death within surrounding areas. Possible mitigation strategies were discussed for the county. The Hazus model was discussed as a means to understand the development of the data for hazards.

Ms. Bowe explained the process to assess risk of hazards through the hazard ranking exercises and the mitigation strategies exercises. The Planning Team will be required to complete the Mitigations Strategies exercise for their jurisdiction. This document has been requested per jurisdiction, in order to meet the responsibilities of the planning team. Greater Egypt will provide assistance for the exercise. Meeting materials will be available at: <http://greateregypt.org/hazard-mitigation-planning/>.

The meeting was adjourned.

Meeting Attendance
Meeting 2: September 28, 2021 10:00 AM
<i>Name</i>
Tyler Carpenter
Kelsey Bowe
Gabrielle Reed
Aur Beck
Belinda Hill
Brian Manwaring
Michael Bilderback
Dylan Fairfield
Ethan Graham
Brandon Hendrix
Jana Fann
Jessica VanPelt
Karissa Howell
Kenton Schafer
Kevin Spain
Larry Lovel
Larry Sanders
Mark Kuhns
Mark Holt
Maureen Berkowitz
Mitch Burdick
Melinda Woker
James Schatte
Orval Rowe
Rita VanPelt
Shelly Clover-Hill
Tamara Caffey-Bey
Tatiana Sherrill
Trish Sherman
Mary Beth Goff
Doug Wilson
Will Stephens
Arien Herrmann
618-549-0721 (SIH)
Robert Burns
Leslie Yambert
Jennifer Lindsay

Tim Moloney
Dennis Howell



Jackson County Multi-Hazard Mitigation Plan

Meeting 3 Minutes

February 22, 2022- 10:00 AM
County EMA Coordinator: Sheriff Robert Burns
County EMA Deputy Coordinator: Orval Rowe
Zoom (virtual) Meeting
Planning Team Attendance: 22

Kelsey Bowe (Greater Egypt) opened the meeting and gave introductory remarks. Meeting attendees were encouraged to introduce themselves through the chat feature.

Ms. Bowe reviewed the Planning Updates and the timeline of the MHMP. She explained the planning process involves collaboration within the jurisdictions in order to assist in identifying hazards, developing mitigation strategies, and match requirements. An emphasis was placed on participation in the plan and the match funding for officials in the jurisdictions. She also discussed what to expect leading up to the next MHMP meeting (match survey and strategies exercises). Kelsey talked with meeting participants about the Match Survey that they can take if they have not yet already. Kelsey reviewed the hazard ranking list; with tornados, disease, and earthquakes as the top three most concerning hazards.

Kelsey acknowledged the partners who have aided in gathering information for hazard models. The Essential Facility datasets were discussed. Planning Partners checked information for accuracy and made notes on what other facilities can be considered as essential.

Ms. Bowe explained the goals of mitigation strategies and the importance of understanding that natural hazards are an ongoing issue. The Planning Team has been expected to complete the Mitigations Strategies exercise for their jurisdiction. Ms. Bowe presented the different hazards and their proposed mitigation strategies for Jackson County. The Planning Team discussed additional strategies they would like to add to the Plan before it is finalized. The forms for adding facility information and new strategies were discussed.

Meeting materials and forms will be available at: <http://greateregypt.org/hazard-mitigation-planning/>.

The meeting was adjourned.

Meeting Attendance
Meeting 3: February 22, 2022 10:00AM
<i>Name</i>
Kelsey Bowe
Gabrielle Reed
Mark Kuhns
Brian Manwaring
Jessica Grammer
Trish Sherman
Maureen Berkowitz
Shelly Clover-Hill
Tina Shingleton
Orval Rowe
Tim Moloney
Sheriff Robert Burns
Captain Jeff Whitbeck
Captain Jennifer Lindsey
Larry Lovel
Brandon Hendrix
Stephanie Dillow
Rita VanPelt
Mitch Burdick
Josh Cox
Tamara Caffey-Bey

Appendix 5: Public Meeting Announcements

The Southern Illinoisian, September 23, 2021

JACKSON COUNTY ANNOUNCEMENTS

Jackson County EMA and Greater Egypt will host a public meeting Tuesday, September 28 at 10:00 AM to provide information and receive public input on the update to the Jackson County Multi-Hazard Mitigation Plan. The meeting will be held through Zoom. You can find the meeting information by visiting greateregypt.org/hazard-mitigation-planning.

22692 9/23

The Jackson County Emergency Management Agency and Greater Egypt will host a public meeting at 10 a.m. Tuesday, Sept. 28 to provide information and receive public input on the update to the **Jackson County Multi-Hazard Mitigation Plan**. The meeting will be held through Zoom. You can find the meeting information by visiting greateregypt.org/hazard-mitigation-planning.

Appendix 6: Mitigation Related Grant Opportunities

Below is a list of current federal and state grant programs related to various hazard mitigation topics. This list may not be exhaustive and planning partners are encouraged to conduct their own searches for grants to match a project idea. Please note these programs may not be active at all times of the year, and some programs may be cancelled during the 5-year cycle that this Plan is active. A detailed excel spreadsheet can be downloaded for free at <https://greateregypt.org/hazard-mitigation-planning/>

[Grants.gov](https://www.grants.gov/) is also the best place to search for active Notices of Funding (NOFO). Jurisdictions may also contact Greater Egypt staff for questions about different applications.

FEMA Grants

Program Name	Grants Available (if multiple)	Projects Covered	Who Can Apply
Hazard Mitigation Grant Program (HMGP)		Available after federally declared disasters, provides funding to rebuild structures in a way to mitigate future problems	state, local, tribal and territorial governments
Flood Mitigation Assistance (FMA) Grant		Funds can be used for projects that reduce or eliminate the risk of repetitive flood damage, competitive grant, projects are chosen for cost effectiveness and eligibility	state, local, tribal and territorial governments that have FEMA approved hazard mitigation plans in place and are part of the NFIP
Building Resilient Infrastructure and Communities (BRIC)		variety of hazard mitigation projects can be approved under this program	state, local, tribal and territorial governments
Emergency Food and Shelter Program (EFSP)		funds projects to provide shelter, food, and supportive services to individuals and families who are experiencing, or at risk of experiencing, hunger and/or homelessness	funds dispersed to local nonprofit and governmental social service organizations through EFSP National Board allocations
Resilience Grants	National Dam Safety Program (NDSP) State Assistance		
	Rehabilitation Of High Hazard Potential Dam (HHPD) Grant Program		
	National Earthquake Technical Assistance Program (NETAP)		
	Multi-State and National Earthquake Assistance (MSNEA)		nonprofit organizations and institutions of higher education that possess the critical skills necessary to develop and implement regional (multi-state) and/or national earthquake risk mitigation activities.

FEMA Preparedness Grants

*In Illinois, IEMA must apply for these funds on behalf of state and local organizations

- Emergency Management Performance Grant
 - Enhancing and sustaining all-hazards emergency management capabilities.
- Tribal Homeland Security Grant
 - Preventing, preparing for, protecting against and responding to acts of terrorism.
- Transit Security Grant
 - Protecting critical public transportation systems (intra-city bus, ferries and all forms of passenger rail) from acts of terrorism.
- Intercity Passenger Rail Grant – Amtrak
 - Protecting Amtrak rail system from acts of terrorism.
- Homeland Security Grant
 - Preventing, preparing for, protecting against and responding to acts of terrorism.
- Nonprofit Security Grant
 - Fund physical security enhancements and activities for nonprofit organizations that are at high risk of a terrorist attack.
- Intercity Bus Security Grant
 - Protecting private operators of intercity over-the-road bus transportation systems from acts of terrorism.
- Port Security Grant
 - Protecting ports from acts of terrorism.
- Assistance to Firefighters Grants
 - Three grant programs focused on enhancing the safety of the public and firefighters in fire-related hazards.
- Presidential Residence Protection Assistance Grant
 - Reimbursements to state and local law enforcement agencies for costs incurred while protecting any non-governmental residence of the president being secured by the United States Secret Service.

- Regional Catastrophic Grant Program
 - Funding for local governments to encourage innovative regional solutions to catastrophic incidents.
- National Earthquake Hazards Reduction Program Grant
 - Funding to support the establishment of earthquake hazards reduction programming and implementation of earthquake safety, mitigation and resilience activities at the local level.

Other Federal Grants

Agency	Program Name	Grants Available (if multiple)	Projects Covered	Who Can Apply
U.S. Dept of Housing and Urban Development	Community Development Block Grant (CDBG) Program	Public Infrastructure, Housing Rehabilitation Program, Economic Development, Disaster Response	Community Based projects in communities that do not receive HUD allocations	Communities/Local government
U.S. Dept of Agriculture	USDA Direct Community Facility Loan & Grant Program	Loan and Grant programs offered for various projects	provides affordable funding to develop essential community facilities in rural areas	Public organizations, community-based non-profits, or federally recognized Tribes in rural areas (less than 20,000 residents)
U.S. Dept of Agriculture	Rural Utilities Service Water and Environmental Programs (WEP)		construction of water and waste facilities in rural communities	rural communities with populations of 10,000 or less
U.S. Environmental Protection Agency	Brownfields Program	Brownfields Assessment Grants, Brownfields Revolving Loan Fund (RLF) Grants, Brownfields Cleanup Grants, Multipurpose (MP) Grants, Job Training (JT) Grants, Technical Assistance, Training, and Research Grants, State and Tribal Response Program Grants	Various projects related to assessment, outreach, cleanup and research of Brownfield sites impacted by hazardous materials	Varies by grant, check NOFOs, states, tribes, communities and stakeholders may be eligible
Delta Regional Authority	States' Economic Development Assistance Program (SEDAP)	provides direct investment into community-based and regional projects that address the DRA's congressionally mandated four funding categories	FUNDING PRIORITIES: basic public infrastructure, transportation infrastructure, business development & entrepreneurship, workforce development	Greater Egypt handles DRA applications for Franklin, Jackson, Williamson, and Perry counties *Jefferson County does not qualify for DRA funding
Delta Regional Authority	Community Infrastructure Fund (CIF)	This funding is set aside for physical infrastructure projects, may be used on construction projects for flood control, basic public infrastructure, and transportation infrastructure		Greater Egypt handles DRA applications for Franklin, Jackson, Williamson, and Perry counties *Jefferson County does not qualify for DRA funding
Delta Regional Authority	Public Works and Economic Adjustment Assistance (PWEAA) program.			Greater Egypt handles DRA applications for Franklin, Jackson, Williamson, and Perry counties *Jefferson County does not qualify for DRA funding

Agency	Program Name	Grants Available (if multiple)	Projects Covered	Who Can Apply
U.S. Dept of Transportation	Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grants		Projects for RAISE funding will be evaluated based on merit criteria that include safety, environmental sustainability, quality of life, economic competitiveness, state of good repair, innovation, and partnership. Within these criteria, the Department will prioritize projects that can demonstrate improvements to racial equity, reduce impacts of climate change and create good-paying jobs.	regional and local governments
U.S. Dept of Transportation-pipeline and hazardous materials safety administration	Assistance for Local Emergency Response Training (ALERT)		hazmat response training for volunteer or remote emergency responders.	The ALERT grant is competitively awarded to non-profit organizations capable of delivering an established curriculum to emergency responders.
U.S. Dept of Transportation-pipeline and hazardous materials safety administration	Hazardous Materials Instructor Training (HMIT) Grant		train-the-trainer program that facilitates the training of hazmat instructors who then conduct training in Hazardous Materials Regulations (HMR) for hazmat employees.	competitively awarded to non-profit organizations that satisfy both of the following eligibility requirements: 1) expertise in conducting hazmat employee training programs and 2) capable of reaching a target population of hazmat employees and including them in the training program.
U.S. Dept of Transportation-pipeline and hazardous materials safety administration	Supplemental Public Sector Training (SPST) Grant		a train-the trainer program that facilitates the training of instructors who then conduct training in hazmat response for individuals with a statutory responsibility to respond to hazmat accidents and incidents.	competitively awarded to national non-profit fire service organizations
U.S. Dept of Transportation-pipeline and hazardous materials safety administration	Community Safety (CS) Grant		enhances the capability of communities to prepare for and respond to hazmat accidents and incidents and supports the training of state and local enforcement personnel who are responsible for enforcing the safe transportation of hazmat	competitively awarded to non-profit organizations
U.S. Dept of Transportation-pipeline and hazardous materials safety administration	State Damage Prevention Grants		establish comprehensive state programs designed to prevent damage to underground pipelines	state authority (or municipality with respect to intrastate gas transportation) that is or will be responsible for preventing damage to underground pipeline facilities is eligible as long as 1) the state participates in the oversight of pipeline transportation pursuant to an annual 49 U.S.C. §60105 certification or 49 U.S.C. §60106 agreement in effect with the Pipeline and Hazardous Materials Safety Administration, and 2) is designated by the state's governor, in writing, as the eligible recipient of the grant funding.

Illinois Specific Grants

Agency	Program Name	Grants Available (if multiple)	Projects Covered	Who Can Apply
Illinois Clean Energy Community Foundation	Energy Program	K-12 Solar and Wind Schools Grant, First Responders Resilience Pilot Program, PV for Nature/welcome centers, Solar Thermal, Biomass, Advancing Renewable Energy and Emerging Technology Grants, Net Zero Energy Wastewater Treatment Plant Grants	various, see website	various, see website
IEMA and Illinois Terrorism Task Force	Preparedness and Response (PAR) Grant Program		helps enhance statewide emergency preparedness and response	state agencies, public universities, units of local government, and statewide mutual aid organizations
IEMA	Hazardous Materials Emergency Preparedness (HMEP) - IEMA		funds projects designed to increase effectiveness in safely and efficiently handling hazardous materials incidents	state, territorial, tribal, and local governments that have IEMA approved LEPCs in place
Rebuild Illinois capital infrastructure plan of 2019, IDOT	Rebuild Illinois	Rebuild Illinois Transit Capital Grant Program, Rebuild Illinois for Distressed Communities Grant, Fast-Track Public Infrastructure (FTPI) component	\$45 billion worth of investments in roads, bridges, railroads, universities, early childhood centers and state facilities over the next six years	Funding allocated to various groups as laid out in the bill, 3 Grant cycles will open to accept proposals for IDOT projects **cannot find a webpage that lays out all contents of bill with grant application info, some have expired and the new fiscal year openings are not online
IL American Water	ENVIRONMENTAL GRANT PROGRAM	funding for innovative, community-based environmental projects that improve, restore or protect the watersheds, surface water and groundwater supplies in our local communities.	Located within an American Water service area Completed between May and November of the grant funding year Be a new or innovative community initiative, or serve as significant expansion to an existing program.	Local, State, Federal government bodies. 501c certified non profit organizations

IEPA Grants

Agency	Program Name	Grants Available (if multiple)	Projects Covered	Who Can Apply
IEPA	Unsewered Communities	Planning Grant Program, Construction Grant Program	Project planning and construction for unsewered communities to develop and/or update wastewater treatment programs	Local government units
IEPA	Wastewater/Stormwater and Drinking Water Loans	Water Pollution Control Loan Program (WPCLP), Public Water Supply Loan Program (PWSLP)	Our programs provide financial assistance to eligible public or private applicants for the design and construction of a wide variety of projects that protect or improve the quality of Illinois' water resources. We assist applicants with projects that address human health and failing water infrastructure. Eligible projects include new drinking water or wastewater infrastructure construction; upgrading or rehabilitating existing infrastructure; storm water-related projects that benefit water quality; and a variety of other projects that protect or improve the quality of Illinois's rivers, streams, and lakes.	local government and private entities
IEPA	Energy Efficiency at Waste Water Treatment Plants	Public Water Infrastructure Energy Assessments, Waste Water Treatment Plant (WWTP) Energy Efficiency Grant	no-cost energy usage assessments to publicly owned water facilities. The final assessment reports break down recommendations for energy efficiency improvements at each facility and include upfront costs for equipment upgrades or retrofits, estimated time for return of investment, and savings resulting from upgrades and retrofits.	local governments, grant funds available only if municipality has completed an energy assessment within last 5 years
IEPA	Water Quality	Water Quality Management (604b), Nonpoint source Pollution (319), and green infrastructure grants	development of watershed-based plans, outreach/education related to water quality, develop preliminary management practices, implementation of BMPs; (stormwater management, flood control, pollution control, and other projects may be covered)	Greater Egypt applies for water quality grants on behalf of municipalities or other groups in our counties
IEPA	Low Income Residential Energy Efficiency Program	Energy Efficiency Trust Fund (EE Trust Fund)	- Building Envelope insulation - Window replacement - Space heating and cooling equipment retrofit - Heating and cooling distribution system retrofit - Installation of efficient domestic hot water equipment - Lighting upgrades (indoor and/or outdoor) - High-efficiency appliance installation/replacement - Programmable thermostats installation - Energy metering changes	local governments, public housing authorities, other non-profits

Appendix 7: Adopting Resolutions

RESOLUTION NO. 2023-R-_____

**A RESOLUTION ADOPTING AMENDMENTS TO THE JACKSON COUNTY
DISASTER MITIGATION PLAN**

WHEREAS, the City of Carbondale, Illinois, is a home rule unit of local government under the Illinois Constitution, 1970, Article VII, Section 6; and

WHEREAS, pursuant to Article VII, Section 6(a), of the Illinois Constitution, 1970, the City of Carbondale may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to regulate for the protection of the public health, safety, morals, and welfare; and

WHEREAS, the City of Carbondale recognizes the threat that natural hazards pose to people and property; and

WHEREAS, undertaking hazard mitigation actions before disasters occur will reduce the potential for harm to people and property and save taxpayer dollars; and

WHEREAS, an adopted hazard mitigation plan is required as a condition for future grant funding for mitigation projects; and

WHEREAS, the City of Carbondale participated jointly in the planning process with the other local units of government within the County to prepare a hazard mitigation plan.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE
CITY OF CARBONDALE, ILLINOIS AS FOLLOWS:**

SECTION 1. The City Council finds and declares that it is in the best interest of the citizens of the City of Carbondale, subject to the Carbondale Revised Code, to adopt the 2023 Amendment to the Jackson County Hazard Mitigation Plan as an official amendment to the plan, attached hereto as Exhibit A.

SECTION 2. That the Jackson County Emergency Management Agency will submit, on behalf of the participating municipalities, the adopted hazard mitigation plan to the Illinois Emergency Management Agency and the Federal Emergency Management Agency for final review and approval.

SECTION 3. That the City Manager of the City of Carbondale, Illinois be and is hereby authorized to take any and all reasonable, necessary, and proper action to carry out the intent and purpose of this Resolution.

SECTION 4. That this Resolution be spread at length upon the minute records of the City Council of the City of Carbondale, Illinois.

This Resolution is adopted at a regular meeting of the City Council of the City of Carbondale, Illinois on the 22nd day of August 2023.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk



MUTUAL AID BOX ALARM SYSTEM MASTER AGREEMENT

**As Approved by the MABAS Executive Board:
October 19, 2022**

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This Agreement by and among the units of federal, state and local government, and other non-governmental emergency response organizations, subscribed hereto, hereafter referred to as "Units", or "Parties" is made and entered into the date set forth next to the signatures of those authorized to execute this Agreement on behalf of the respective Parties, each Party having approved this Agreement and adopted same pursuant to their state's constitutional and statutory authority and in a manner provided by law. In order to provide efficient and effective management of this Agreement, groups of the Parties may be established as "Chapters" on a state-by-state basis and Chapters may include Parties from adjoining states.

WHEREAS, the Mutual Aid Box Alarm System (MABAS) was formally organized beginning in 1968 in the northwest and western suburbs of Chicago, Illinois to coordinate and automate fire department mutual aid based roughly on the Chicago Fire Department's box alarm system, whereby predetermined resources of personnel and fire equipment were assigned to respond to a specific incident or area; and

WHEREAS, MABAS has grown into a multi-state organization through prearranged mutual aid and dispatch agreements that coordinate responses to emergencies and disasters including fires, emergency medical calls, hazardous material incidents, water related rescues, and technical rescues, and MABAS is designed to facilitate all levels of mutual aid from day-to-day automatic aid responses to major incidents and disasters requiring significant deployment of resources; and

WHEREAS, since the last revision of the master MABAS intergovernmental agreement circa 1988, MABAS has grown exponentially to its current composition of almost 1,200 Illinois Units and 2,200 total Units in Illinois and several nearby States with Units ranging from all-volunteer fire departments to major cities like Chicago, Milwaukee, and St. Louis; and

WHEREAS, the Constitution of the State of Illinois, 1970, Article VII, Section 10, authorizes units of local government to contract or otherwise associate among themselves , with the State, with other States and their units of local government, and with the United States to obtain and share services and to exercise, combine, or transfer any power or function in any manner not prohibited by law or ordinance; and to further contract or otherwise associate with individuals, associations, and corporations in any manner not prohibited by law or ordinance; and to further contract or otherwise associate with individuals, associations, and corporations in any manner not prohibited by law; and

WHEREAS, the Illinois “Intergovernmental Cooperation Act”, 5 ILCS 220/1 et seq., provides that any power or powers, privileges or authority exercised, or which may be exercised by a unit of local government may be exercised and enjoyed jointly with any other unit of local government including units of local government from another state; and

WHEREAS, Section 5 of the Illinois “Intergovernmental Cooperation Act”, 5 ILCS 220/5, provides that any one or more public agencies may contract with any one or more public agencies to perform any governmental service, activity or undertaking which any of the public agencies entering into the contract is authorized by law to perform, provided that such contract shall be authorized by the governing body of each party to the contract; and

WHEREAS, the Indiana Code at Section 36-1-7 (IC 36-1-7) authorizes an Indiana political subdivision to enter into a mutual aid agreement with political subdivisions of states other than Indiana, provided the agreement contains the necessary terms and conditions set out in IC 36-7-3, is approved by the Indiana Attorney General as required under IC 36-1-7-4, is recorded with the county recorder and filed with the Indiana State Board of Accounts as required under IC 36-1-7-6; and

WHEREAS, for the purposes of Chapter 3 of Indiana Emergency Management and Disaster law, the term “political subdivision” means city, town, township, county, school corporation, library district, local housing authority, public transportation corporation, local building authority, local hospital or corporation, local airport authority or other separate local governmental entity that may sue and be sued. (See IC 10-14-3-6, IC 36-1-2-13, IC 36-1-2-10, IC 36-1-2-11, IC 36-1-2-18); and

WHEREAS, the Indiana Code at Section 10-14-6.5 (IC 10-14-6.5) authorizes the State of Indiana and local units of government to enter into agreements to provide interstate mutual aid for emergency responses that do not rise to the level requiring a state or local declaration of a state of emergency or disaster; and

WHEREAS, Chapter 28E of the State Code of Iowa provides that any powers, privileges or authority exercised or capable of exercise by a public agency of the State of Iowa may be exercised and enjoyed jointly with any public agency of any other state or of the United States to the extent that laws of such other state or of the United States permit such joint exercise or enjoyment (See 28E.3); and

WHEREAS, the State Code of Iowa, in Chapter 28E, authorizes any one or more public agencies to contract with any one or more other public agencies to perform any governmental service, activity, or undertaking which any of the public agencies entering into the contract is

authorized by law to perform, provided that such contract shall be authorized by the governing body of each party to the contract (See 28E.12); and

WHEREAS, for the purposes of Chapter 28E of the State Code of Iowa, the term “public agency” means any political subdivision of the State of Iowa; any agency of Iowa’s government or of the United States; and any political subdivision of another state (See 28E.2); and

WHEREAS, the Constitution of the State of Michigan, 1963, Article VII, Section 28, authorizes units of local government to contract as provided by law; and

WHEREAS, the Urban Cooperation Act of 1967, 1967 PA 7, MCL 124.501, *et seq.*, provides that any political subdivision of Michigan or of another state may enter into interlocal agreements for joint exercise of power, privilege, or authority that agencies share in common and might each exercise separately; and

WHEREAS, Minnesota Statute 471.59 authorizes two or more governmental units, by agreement entered into through action of their governing bodies, to jointly or cooperatively exercise any power common to the contracting parties or any similar powers, including those which are the same except for the territorial limits within which they may be exercised; and

WHEREAS, the term “governmental unit” in Minnesota Statute 471.59 includes every city, county, town, school district, and other political subdivision of this or another state; another state; the University of Minnesota; licensed nonprofit hospitals; and any agency of the state of Minnesota or the United States. The term also includes any instrumentality of a governmental unit if that unit has independent policy-making and appropriating authority; and

WHEREAS, Article VI, Section 16 of the Constitution of Missouri and Sections 70.210, 70.320, and 70.220.1, of the Revised Statutes of Missouri, provide that any municipality or political subdivision of the state of Missouri may contract and cooperate with other municipalities or political subdivisions thereof, or with other states or their municipalities or political subdivisions, or with the United States, to provide a common service as provided by law so long as the subject and purpose of such are within the scope of the powers of such municipality or political subdivision; and

WHEREAS, for the purposes of Sections 70.210, 70.320, and 70.220.1 of the Revised Statutes of Missouri, “municipality” means municipal corporations, political corporations, and other public corporations and agencies authorized to exercise governmental functions; and “political subdivision” means counties, townships, cities, towns, villages, school, county library, city library, city-county library, road, drainage, sewer, levee and fire districts, soil and water conservation districts, watershed subdistricts, county hospitals, and any board of control of an art museum, and any other public subdivision or public corporation having the power to tax; and

WHEREAS, Title LV, Section 5502.291 of the Ohio Revised Code authorizes the governor to enter into mutual aid arrangements for reciprocal emergency management aid and assistance with other states and to coordinate mutual aid plans between political subdivisions, between the State of Ohio and other states, or between the State of Ohio and the United States; and

WHEREAS, Sections 66.0301 and 66.0303, Wisconsin Statutes, authorize municipalities to contract with municipalities of another state for the receipt or furnishing of services or the joint exercise of any power or duty required or authorized by statute to the extent that laws of the other state or of the United States permit the joint exercise; and, jointly exercise powers delegated to them and, thereby, to make certain agreements concerning boundary lines between themselves; and

WHEREAS, for the purposes of Subchapter III of Chapter 66 of the Wisconsin Statutes, the term "municipality" includes political subdivisions, which refers to any city, village, town, or county in this state or any city, village, town, county, district, authority, agency, commission, or other similar governmental entity in another state; (See Wis. Stat. 66.0303(1), 66.0304(1)(f)); and

WHEREAS, similar provisions providing for intergovernmental cooperation exist in the other states in which any Party to this Agreement resides, and which provide legal authority for each respective Party to enter into the Agreement; and

WHEREAS, the Parties have determined that it is in their best interests to enter into this Agreement to secure to each the benefits of mutual aid in fire protection, suppression, provision of rescue and emergency medical assistance, hazardous materials control, technical rescue, training and any other emergency support for the protection of life and property in the event of an Emergency, Disaster, or other Serious Threat to Public Health and Safety, and to engage in Training and other preparedness activities in furtherance of the foregoing mutual aid activities; and

NOW, THEREFORE, in consideration of the mutual covenants and understandings set forth in this Agreement, and pursuant to the authority bestowed upon the Parties set forth above, it is agreed by, among and between the Parties as follows:

SECTION ONE - PURPOSE

It is recognized and acknowledged that leveraging collective resources from other Units to provide effective, efficient response to Emergencies, Disasters, or Serious Threats to Public Safety is desired. Further, it is acknowledged that the closest, available Unit(s) that can render aid may be outside of a requesting Unit's or Chapter's jurisdiction. Accordingly, it is the express intent of the

Parties that this agreement be in a standardized form which can be adopted by Units in different States, notwithstanding this Agreement may not specifically cite the applicable current legal authority for a particular State and its member Units to join MABAS, the lack of such citation herein shall not be construed in any manner as an impediment to or prohibition of Units within other States from joining MABAS, it being the express intent of the Parties that each Unit desiring to join MABAS may become additional Parties hereto by adopting this Intergovernmental Agreement without modification; In this fashion by way of this Agreement, the Parties will have created a mutual aid agreement that incorporates emergency response disciplines from federal, state and local governmental units, as well as non-governmental organizations and corporations that provide emergency response functions and services that support the mission of MABAS and its member Units;

SECTION TWO – RULES OF CONSTRUCTION AND DEFINITIONS

1. The language in this Agreement shall be interpreted in accordance with the following rules of construction: (a) The word "may" is permissive and the word "shall" is mandatory; and (b) except where the context reveals the contrary: The singular includes the plural and the plural includes the singular, and the masculine gender includes the feminine and neuter.
2. When the following words in bold font with the first letter in the upper case are used in this Agreement, such words shall have the meanings ascribed to them in this Subsection:
 - A. **"Agreement"** means this Master Mutual Aid Box Alarm System Agreement.
 - B. **"Aiding Unit"** means any Unit furnishing equipment, Emergency Responders, or Emergency Services to a Requesting Unit under this Agreement.
 - C. **"Automatic Mutual Aid"** or **"Auto-Aid"** means the provision of mutual aid through a prearranged plan between Units whereby assistance is provided at the time of dispatch without a specific request from an Incident Commander.
 - D. **"Box Alarm"** means a prearranged plan for an Emergency or Disaster that uses a defined process for implementation, dispatch and response.
 - E. **"Chapter"** means a group of Divisions, established on a state-by-state basis, and whose members may include Units from other States.
 - F. **"Chapter Governing Board"** means the governing body of a Chapter which is composed of a representative of each member Division or Region within a Chapter as provided by the Chapter's Bylaws.

- G. **"Chapter President"** means a person elected as the President of each state Chapter;
- H. **"Chief Officer"** means the Fire Chief or agency head of a Unit, or a designee of the Unit's Fire Chief or agency head.
- I. **"Council of Chapter Presidents"** means the council or board whose members shall be the elected President of each State's Chapter, as set forth in this Agreement.
- J. **"Disaster"** means an occurrence or threat of widespread or severe damage, injury, or loss of life or property resulting from a natural or human-made cause, including fire, severe weather event, environmental contamination, utility failure, radiological incident, structural collapse, explosion, transportation accident, hazardous materials incident, epidemic, pandemic, or similar calamity.
- K. **"Division"** means geographically associated Units which have been grouped for operational efficiency and representation within a State and may include Units from adjoining States.
- L. **"Emergency"** means any occurrence or condition which results in a situation where assistance is requested to supplement local efforts and capabilities to save lives, protect property and protect the public health and safety, or to lessen or avert the threat of a catastrophe or Disaster or other Serious Threat to Public Health and Safety.
- M. **"Emergency Responder"** includes any person who is an employee or agent of an Unit. An Emergency Responder includes, without limitation, the following: firefighters (including full time, part time, volunteer, paid-on -call, paid on premises, and contracted personnel, as well as hazardous materials, specialized rescue, extrication, water rescue, and other specialized personnel), emergency medical services personnel, support personnel and authorized members of non-governmental response Units.
- N. **"Emergency Services"** means provision of personnel and equipment for fire protection, suppression, provision of rescue and emergency medical services, hazardous materials response, technical rescue and recovery, and any other emergency support for the protection of life and property in the event of an Emergency, Disaster, or other Serious Threat to Public Health and Safety, and includes joint Training for the provision of any such services by the Units.
- O. **"Incident Commander"** is the individual responsible for all incident activities, including the development of strategies and tactics and the ordering and the release of resources in the provision of Emergency Services, has overall authority and

- responsibility for conducting incident operations, and is responsible for the on-scene management of all incident operations.
- P. **"Incident Command System"** means a standardized management system such as the National Incident Management System (NIMS), designed to enable effective and efficient incident management by integrating a combination of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure.
 - Q. **"MABAS"** means the Mutual Aid Box Alarm System described in the Agreement, and is an intergovernmental agency formed pursuant to the authority of the Illinois Intergovernmental Cooperation Act and similar intergovernmental cooperation authority of other states in which Units reside.
 - R. **"Mutual Aid"** is assistance from an Aiding Unit to a Requesting Unit as the result of an Emergency or other event and may precede the request for a Box Alarm and includes Automatic Mutual Aid.
 - S. **"Requesting Unit"** means any Unit requesting assistance of another Unit under this Agreement.
 - T. **"Serious Threats to Public Health and Safety"** means threats, incidents or planned events of sufficient magnitude that the adequate public safety response requires mutual aid or other assistance.
 - U. **"Training"** means the instruction and/or assessment of Emergency Services during non-emergency drills and instruction whether in the field or classroom.
 - V. **"Unit"** (also "Member Unit") means components of federal, state or local government, or other non-governmental emergency response organizations who have become Parties to this Agreement.

SECTION THREE – AUTHORITY AND ACTION TO EFFECT MUTUAL AID

The Parties hereby authorize and direct their respective Chief Officer, or designee, to take reasonably necessary and proper action to render and request Mutual Aid to and from the other Parties to the Agreement, and to participate in Training activities, all in furtherance of effective and efficient provision of Mutual Aid pursuant to this Agreement.

In accordance with a Party's policies and within the authority provided to its Chief Officer, upon an Aiding Unit's receipt of a request from a Requesting Unit for Emergency Services, the Chief

Officer, or the Chief Officer's designee such as the ranking officer on duty, may commit the requested Mutual Aid in the form of equipment, Emergency Responders, and Emergency Services to the assistance of the Requesting Unit. All aid rendered shall be to the extent of available personnel and equipment taking into consideration the resources required for adequate protection of the territorial limits of the Aiding Unit. The decision of the Chief Officer, or designee, of the Aiding Unit as to the personnel and equipment available to render aid, if any, shall be final.

SECTION FOUR – JURISDICTION OVER PERSONNEL AND EQUIPMENT

Emergency Responders dispatched to aid a Requesting Unit pursuant to this Agreement shall, at all times, remain employees or agents of the Aiding Unit, and are entitled to receive any benefits and compensation to which they may otherwise be entitled under the laws, regulations, or ordinances of the United States of America, their respective States, and their respective political subdivisions. This includes, but is not limited to, benefits for pension, relief, disability, death, and workers' compensation. If an Emergency Responder is injured or killed while rendering assistance under this Agreement, benefits shall be afforded in the same manner and on the same terms as if the injury or death were sustained while the Emergency Responder was rendering assistance for or within the Aiding Unit's own jurisdiction.

Emergency Responders of the Aiding Unit will come under the operational control of the Requesting Unit's Incident Commander, or other appropriate authority, until released. The Aiding Unit shall, at all times, have the right to withdraw any and all aid upon the order of its Chief Officer, or designee. The Aiding Unit shall notify the Incident Commander of the extent of any withdrawal, and coordinate the withdrawal to minimize jeopardizing the safety of the operation or other Emergency Responders.

If for any reason an Aiding Unit determines that it cannot respond to a Requesting Unit, the Aiding Unit shall promptly notify the Requesting Unit of the Aiding Unit's inability to respond; however, failure to promptly notify the Requesting Party of such inability to respond shall not be deemed to be noncompliance with the terms of this Section and no liability may be assigned. No liability of any kind shall be attributed to or assumed by a Party, for failure or refusal to render aid, or for withdrawal of aid.

SECTION FIVE – COMPENSATION FOR AID

Nothing herein shall operate to bar any recovery of funds from any third party, state or federal agency under any existing statutes, or other authority. Each Aiding Unit is responsible for the compensation of its Emergency Responders providing Mutual Aid and for any additional costs incurred to ensure its jurisdiction has adequate resources during the rendering of Mutual Aid.

Day-to-day Mutual Aid should remain free of charge and the administrative requirements of reimbursement make it infeasible to charge for day-to-day Mutual Aid. However, the following exceptions may be applied:

1. Third Party Reimbursement - Expenses for Emergency Services recoverable from third parties shall be proportionally distributed to all participating Units by the Unit recovering such payment from a third party. The Unit responsible for seeking payment from a third party shall provide timely notice to Aiding Units of a date by which submission of a request for reimbursement must be received. Reimbursement shall be based on the accurate and timely submission of allowable costs and documentation attributable to the incident by each Aiding Unit. These costs include manpower, use of equipment and materials provided, and damage or loss of equipment. The Unit recovering payment from a third party shall notify Aiding Units that such payment has been made and will reimburse the other Units. If the third-party payment is less than the full amount of all Units' cost submittals, the funds shall be proportionally distributed based on each Unit's submitted costs compared to the total of all costs submitted. Intrastate Emergency Management Agency Tasking - Expenses recoverable related to a response to an emergency or disaster at the request of a state's emergency management agency or authority. Reimbursement shall be based on the accurate and timely submission of allowable costs and documentation attributable to the response by each Aiding Unit. These costs include manpower, use of equipment and materials provided, and damage or loss of equipment. The Unit recovering payment from a state shall notify Aiding Units that such payment has been made and will reimburse the other Units. If the payment is less than the full amount of all Units' cost submittals, the funds shall be proportionally distributed based on each Unit's submitted costs compared to the total of all costs submitted.
2. Interstate Emergency Management Assistance Compact ("EMAC") Response – Expenses recoverable related to a response to an emergency or disaster at the request of a state's emergency management agency or authority to another state. Reimbursement shall be

based on the accurate and timely submission of allowable costs and documentation attributable to the response by each Aiding Unit. These costs include manpower, use of equipment and materials provided, and damage or loss of equipment. If these payments are not made directly to the participating Units, the Unit recovering payment from a state shall notify Aiding Units that such payment has been made and will reimburse the other Units. If the payment is less than the full amount of all Units' cost submittals, the funds shall be proportionally distributed based on each Unit's submitted costs compared to the total of all costs submitted.

3. Emergency Medical Services Billing – Member Units providing Mutual Aid under this Agreement may bill patients for emergency medical services in accordance with applicable federal, state, and local ambulance billing regulations.

SECTION SIX - INSURANCE

Each Party shall procure and maintain, at its sole and exclusive expense, insurance coverage, including comprehensive liability, personal injury, property damage, workers' compensation, auto, and, if applicable, watercraft, aircraft, drones or, emergency medical service professional liability, with minimum policy limits of:

Auto liability: \$1,000,000 combined single limit

General Liability: \$1,000,000 per occurrence

Emergency Medical Service Professional Liability: \$1,000,000 per occurrence

Workers' Compensation: Statutory limits

The obligations of this Section may be satisfied by a Party's membership in a self-insurance pool, a self-insurance plan, or arrangement with an insurance provider approved by the state of jurisdiction. To the extent permitted by governing law of the state in which a Party resides, each Party agrees to waive subrogation rights it may acquire, and to require any insurer to waive subrogation rights they may acquire, by virtue of the payment of claims, suits, or other loss arising out of this Agreement, and shall, as to any insurer, obtain any endorsement necessary to effectuate such waiver of subrogation.

SECTION SEVEN - LIABILITY

Each Party will be solely responsible for the acts of its own governing body, officers, employees, agents, and subcontractors, expressly including, but not limited to, all of its Emergency Responders, the costs associated with those acts, and the defense of those acts. No Party shall be responsible to another Party for any liability or costs arising from the act of an employee or agent of another Party. Each Party hereto shall hold other Parties hereto harmless for any liability or costs arising from the act of an employee or agent of another Party. The Provisions of this Section shall survive the termination of this Agreement by any Party.

Any Party responding under this Agreement to another state shall be considered agents of the Requesting Unit in the other state for tort liability and immunity purposes related to third-party claims to the extent permissible under the laws of both states. Nothing in this Section shall be deemed a waiver by any Party of its right to dispute any claim or assert statutory and common law immunities as to third parties.

SECTION EIGHT - CHAPTERS

For operational efficiency and representation of Units and Divisions, Chapters are hereby created on a state-by-state basis. Chapters shall elect a President to the Council of Chapter Presidents. When a Division forms within a state that does not have a Chapter, that Division will be affiliated with another state Chapter. When three Divisions within a state become organized, a Chapter for that state shall automatically be created, and Divisions within that state shall be transitioned to the new Chapter, unless prohibited by state statute(s).

Chapters shall have their own governing Board selected by the Units, Divisions, or Regions, and shall determine the number and role of Chapter officers. Chapters shall develop bylaws that provide for their governance and operations within the framework of this Agreement and the direction of the Council of Chapter Presidents. Chapters shall maintain authority to establish Divisions or Regions, to the assignment of Units to Divisions or Regions, and to establish emergency response procedures, protocols, resources, and training requirements. Chapters and their Divisions may fix and assess dues, secure appropriate insurance, own and maintain facilities, vehicles, apparatus and equipment, employ and provide benefits for personnel, operate specialized response teams, participate in EMAC activities, enter into agreements with other

governmental and non-governmental entities, and administer the affairs of their Chapter, to facilitate the purposes of MABAS.

SECTION NINE – COUNCIL OF CHAPTER PRESIDENTS

A Council of Chapter Presidents is hereby created that consists of the elected President of each state Chapter. The Council of Chapter Presidents shall facilitate coordination among state Chapters, adopt bylaws for the operation of the Council of Presidents, ensure compliance with this Agreement, recommend common operating procedures and practices, recommend changes to this Agreement, and promote unity to facilitate the purposes of MABAS. MABAS and the Council of Chapter Presidents shall be hosted by the founding Chapter of MABAS, Illinois, and shall be based therein. As the Council is hosted in Illinois, all issues and questions concerning the construction, validity, enforcement and interpretation of this Agreement shall be governed by, and construed in accordance with, the laws of the State of Illinois.

SECTION TEN - DIVISIONS

For operational efficiency and representation of Member Units, Divisions are hereby authorized on a Chapter-by-Chapter basis in accordance with procedures established by their Chapter. When a Division forms within a state that does not have a Chapter, that Division will be affiliated with another state Chapter in accordance with procedures established by that other state's Chapter.

Divisions shall have their own governing Board, shall determine the number and role of Division officers, and shall develop bylaws that govern their operations within the framework of this Agreement and direction of the Chapter and Council of Chapter Presidents. Divisions shall maintain authority to establish emergency response procedures, protocols, resources, and training requirements within the framework of this Agreement and the direction of the Chapter and Council of Chapter Presidents. Divisions may fix and assess dues, secure appropriate insurance, own and maintain facilities, vehicles, apparatus and equipment, employ and provide benefits for personnel, operate specialized response teams, enter into agreements with other governmental and non-governmental entities, and administer the affairs of their Division, to facilitate the purposes of MABAS.

SECTION ELEVEN - TERM

This Agreement shall be in effect for a term of one year from the date of signature hereof and shall automatically renew for successive one-year terms unless terminated in accordance with this Section. Any Party may terminate their participation within this Agreement, at any time, for any reason, or for no reason at all, upon ninety (90) days written notice to the applicable state Chapter. A Unit that terminates this Agreement must return any asset that is owned by, or provided from, a Chapter or its Divisions prior to the termination of the Agreement, unless agreed to otherwise in writing by the Chapter or Division. Costs associated with the recovery or replacement of said asset if it is not voluntarily returned after written notice has been given shall be borne by the departing Unit, including reasonable legal fees.

SECTION TWELVE - MISCELLANEOUS

- A. Entire Agreement. This Agreement sets forth the entire agreement between the Parties. The language of this Agreement shall be construed as a whole according to its fair meaning and not construed strictly for or against any Party. By signing this agreement, each of the Parties affirm that they have taken all actions and secured all local approvals necessary to authorize and sign this Agreement.
- B. Binding Effect. This Agreement shall be binding upon and inure to the benefit of any successor entity which may assume the obligations of any Party hereto.
- C. Severability of Provisions. If a Court of competent jurisdiction finds any provision of this Agreement invalid or unenforceable, then that provision shall be deemed severed from this Agreement. The remainder of this Agreement shall remain in full force.
- D. Captions. The captions, headings, and titles in this Agreement are intended for the convenience of the reader and not intended to have any substantive meaning and are not to be interpreted as part of this Agreement.
- E. Terminology. All terms and words used in this Agreement, regardless of the numbers or gender in which they are used, are deemed to include any other number and any other gender as the context may require.

- F. Recitals. The Recitals shall be considered an integral part of this Agreement.
- G. No Third-Party Beneficiaries. Except as expressly provided herein, this Agreement does not create, by implication or otherwise, any direct or indirect obligation, duty, promise, benefit, right of indemnification (i.e., contractual, legal, equitable, or by implication), right of subrogation as to any Party's rights in this Agreement, or any other right of any kind in favor of any individual or legal entity.
- H. Counterpart Signatures. This Agreement may be signed in multiple counterparts. The counterparts taken together shall constitute one (1) agreement.
- I. Permits and Licenses. Each Party shall be responsible for obtaining and maintaining, throughout the term of this Agreement, licenses, permits, certificates, and governmental authorizations for its employees and/or agents necessary to perform their obligations under this Agreement.
- J. No Implied Waiver. Absent a written waiver, no fact, failure, or delay by a Party to pursue or enforce any rights or remedies under this Agreement shall constitute a waiver of those rights with regard to any existing or subsequent breach of this Agreement. No waiver of any term, condition, or provision of this Agreement, whether by conduct or otherwise, in one or more instances shall be deemed or construed as a continuing waiver of any term, condition, or provision of this Agreement. No waiver by either Party shall subsequently affect its right to require strict performance of this Agreement.
- K. Notices. Notices given under this Agreement shall be in writing and shall be delivered by one or more of the following processes: personally delivered, sent by express delivery service, certified mail, or first-class U.S. mail postage prepaid to the head of the governing body of the participating agency.

SECTION THIRTEEN - AMENDMENT

An amendment may be proposed by any Party, Division or Chapter, and be presented to the Council of Chapter Presidents for review, comment, and modification. The Council of Chapter Presidents shall, after consideration, recommend final amendatory language to all Parties for adoption and execution. The Agreement may be amended only upon written agreement and approval of the governing bodies of two-thirds (2/3) of the Parties. All Amendments to this Agreement shall comply with the applicable laws of the respective states.

SECTION FOURTEEN – REVOCATION OF PRIOR AGREEMENTS

This Agreement shall replace all prior Mutual Aid Box Alarm System agreements effective at 12:01 a.m. Central Standard Time on January 1, 2024, and in accordance with the laws of their respective states. Any member Unit that has not become a Party to this Agreement by 12:01 a.m. Central Standard Time on January 1, 2024, shall no longer be affiliated with MABAS in any capacity, shall not continue to benefit from its prior association with MABAS, and shall not rely on the MABAS system for emergency responses, until subsequently rejoining MABAS by the adoption of an approving ordinance or resolution and entering into this Agreement, as may be amended from time to time. The effective date for any new Member Unit joining after January 1, 2024, shall be the date set forth next to the signature of that new Member Unit.

Any MABAS owned assets in the possession of a Unit that fails to execute this Agreement shall return said assets to MABAS no later than January 31, 2024. Costs associated with the recovery or replacement of said asset shall be borne by the Unit failing to execute this Agreement, including reasonable legal fees.

SECTION FIFTEEN - APPROVAL

This Agreement may be executed in multiple originals. The undersigned attests that they have the authority to execute this Agreement which has been approved by appropriate ordinance, resolution or authority and is hereby adopted by the _____, (Unit) this ____ day of _____, 202___. A certified copy of approving ordinance, resolution or authority, along with the executed Agreement shall be forwarded to the applicable state Chapter, and a master list of Parties shall be kept by the Council of Chapter Presidents.

By: _____

Title: _____

Attest: _____

Title: _____

RESOLUTION NO. 2023-R-_____

**A RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER INTO THE
MUTUAL AID BOX ALARM SYSTEM MASTER AGREEMENT**

WHEREAS, the City of Carbondale, Illinois, is a home rule unit of local government under the Illinois Constitution, 1970, Article VII, Section 6; and

WHEREAS, pursuant to Article VII, Section 6(a), of the Illinois Constitution, 1970, the City of Carbondale may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to regulate for the protection of the public health, safety, morals, and welfare; and

WHEREAS, the Mutual Aid Box Alarm System (MABAS) was organized beginning in 1968 in the northwest and western suburbs of Chicago, Illinois to coordinate and automate fire department mutual aid, based roughly on the Chicago Fire Department's box alarm system of predetermined resources assigned to respond to a specific incident or area. Since 1968, MABAS has grown into a multi-state organization to coordinate responses to fires, emergency medical calls, hazardous material, technical rescue and other emergencies and disasters through prearranged mutual aid and dispatch agreements. The system is designed to facilitate all levels of mutual aid from day-to-day automatic aid responses to major incidents and disasters requiring significant deployment of resources. MABAS member Units include the gambit from all-volunteer fire departments to major cities like Chicago, Milwaukee and St. Louis; and

WHEREAS, since the last revision of the master MABAS intergovernmental agreement in about 1988, MABAS has grown exponentially to its current composition of almost 1200 Illinois Units and 2200 total Units in Illinois and several adjoining States; and

WHEREAS, it is the express intent of member Units that the MABAS Agreement be in a form which can be adopted by Units in different States where Units may lawfully enter into

agreements providing for their mutual aid and protection. Thus, even if the MABAS Agreement does not specifically cite the applicable current legal authority for a particular State and its member Units, the lack of such citation shall not be construed in any manner as an impediment to or prohibition of Units from other States from joining MABAS. It is also the express intent of the member Units that all Units adopt this same Intergovernmental Agreement without modification; and

WHEREAS, the Constitution of the State of Illinois, 1970, Article VII, Section 10, authorizes units of local government to contract or otherwise associate among themselves, with the State, with other States and their units of local government, and with the United States to obtain and share services and to exercise, combine, or transfer any power or function in any manner not prohibited by law or ordinance; and to further contract or otherwise associate with individuals, associations, and corporations in any manner not prohibited by law or ordinance; and

WHEREAS, the "Intergovernmental Cooperation Act", 5 ILCS 220/1 et seq., provides that any power or powers, privileges or authority exercised or which may be exercised by a unit of local government may be exercised and enjoyed jointly with any other unit of local government including units of local government from another state; and

WHEREAS, Section 5 of the "Intergovernmental Cooperation Act", 5 ILCS 220/5, provides that any one or more public agencies may contract with any one or more public agencies to perform any governmental service, activity or undertaking which any of the public agencies entering into the contract is authorized by law to perform, provided that such contract shall be authorized by the governing body of each party to the contract; and

WHEREAS, the City Council of the City of Carbondale have determined that it is in the best interest of the City of Carbondale and its residents to enter into a Mutual Aid Box Alarm System Agreement to secure to each the benefits of mutual aid in fire protection, firefighting, rescue, emergency medical services and other activities for the protection of life and property from an emergency or disaster and to provide for communications procedures, training and other necessary functions to further the provision of said protection of life and property from an emergency or disaster.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CARBONDALE, ILLINOIS AS FOLLOWS:

SECTION 1. That the recitals set forth above are incorporated here by reference.

SECTION 2. The City Council finds and declares that it is in the best interest of the citizens of the City of Carbondale, That the Mutual Aid Box Alarm System Master Agreement, (Approved by the MABAS Executive Board October 19, 2022) is hereby approved, and the City Manager is hereby authorized and directed to execute the Mutual Aid Box Alarm System Master Agreement, a copy of which is attached hereto as Exhibit A and made a part hereof.

SECTION 3. All prior ordinances, resolutions or motions, or parts of ordinances, resolutions, or motions in conflict with any of the provisions of this Resolution shall be, and the same are hereby repealed to the extent of the conflict.

SECTION 4. This Resolution and every provision thereof shall be considered severable. If any section, paragraph, clause, or provision of this Resolution is declared by a court of law to be invalid or unconstitutional, the invalidity or unconstitutionality thereof shall not affect the validity of any other provisions of this Resolution.

SECTION 5. That this Resolution be spread at length upon the minute records of the City Council of the City of Carbondale, Illinois.

This Resolution is adopted at a regular meeting of the City Council of the City of Carbondale, Illinois on the 22nd day of August 2023.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk

CITY OF CARBONDALE, ILLINOIS

ORDINANCE NO. 2023- ____

**AN ORDINANCE ACCEPTING THE AWARD FROM THE DEPARTMENT OF
ENERGY'S ENERGIZING RURAL COMMUNITIES AMERICAN MADE
CHALLENGE AND APPROVING A BUDGET ADJUSTMENT TO INCREASE THE
SUPPORT SERVICES FY2024 BUDGET IN THE AMOUNT OF \$100,000.00**

ADOPTED BY THE CITY COUNCIL

OF THE CITY OF CARBONDALE, ILLINOIS

THE 22ND DAY OF AUGUST 2023

**Published in pamphlet form by authority of the City Council of the City of Carbondale,
Jackson County, Illinois, this 23rd day of August 2023.**

CERTIFICATE OF PUBLICATION

**I, Jennifer R. Sorrell, the duly qualified City Clerk of the City of Carbondale, Illinois,
and the official custodian of the records of said City, do hereby certify that this ordinance
was published in pamphlet form by authority of the City Council on the 23rd day of August
2023.**

Jennifer R. Sorrell, City Clerk

ORDINANCE NO. 2023-_____

AN ORDINANCE ACCEPTING THE AWARD FROM THE DEPARTMENT OF ENERGY'S ENERGIZING RURAL COMMUNITIES AMERICAN MADE CHALLENGE AND APPROVING A BUDGET ADJUSTMENT TO INCREASE THE SUPPORT SERVICES FY2024 BUDGET IN THE AMOUNT OF \$100,000.00

WHEREAS, the City of Carbondale, Illinois, is a home rule unit of local government under the Illinois Constitution, 1970, Article VII, Section 6; and

WHEREAS, pursuant to Article VII, Section 6(a), of the Illinois Constitution, 1970, the City of Carbondale may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to regulate for the protection of the public health, safety, morals, and welfare; and

WHEREAS, The City of Carbondale, in partnership with the Village of Dowell, is one of sixty-seven winners nationally in the first phase of the US Department of Energy's \$6,700,000.00 Energizing Rural Communities Prize; and

WHEREAS, each of the awardees will receive \$100,000.00, in-kind-mentorship services, eligibility to compete in phase two of the prize to win an additional \$200,000.00; and

WHEREAS, the City of Carbondale intends to use the funds awarded to conduct concurrent legal and technical analysis of what city staff have coined the Energy Sovereignty, Security, & Democracy Proposal, a revenue-positive and replicable rural energy system model that fosters equitable American self-sufficiency and lasting prosperity for our Nations recovering energy communities; and

WHEREAS, in July 2023, a notice of the prize award was received from the American Made Challenge in the amount of \$100,000; and

WHEREAS, the City of Carbondale and the Village of Dowell will share the prize money equally; and

WHEREAS, the City Council of the City of Carbondale finds it in the best interest of the City of Carbondale to accept the prize money of \$100,000.00 and increase the Support Services FY2024 Budget as shown in Exhibit A.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CARBONDALE AS FOLLOWS:

SECTION 1. That the City Council deems it in the best interest of the citizens of Carbondale to accept the prize money of \$100,000.00 and increase the Support Services FY2024 Budget as shown in Exhibit A, attached hereto and incorporated herein.

SECTION 2. That the FY2024 Budget is hereby adjusted in accordance with the expenditures as shown in Exhibit A, and such funds are hereby appropriated in accordance with law for the purposes of this Ordinance.

SECTION 3. That the City Manager of the City of Carbondale is hereby authorized to and shall take any and all reasonable, necessary and proper action to carry out the intent and purposes of this Ordinance.

SECTION 4. That the Finance Director is hereby authorized to transfer funds into the FY2024 Budget in accordance with this Ordinance as specified in Exhibit A attached hereto, and to disperse the funds from the FY2024 Budget for the expenditures as indicated in Exhibit A.

SECTION 5. That all ordinances and parts thereof in conflict herewith are expressly repealed and are of no other force and effect.

SECTION 6. That repeal of any ordinance by this Ordinance shall not affect any rights

accrued or liability incurred under said repealed ordinance to the effective date hereof. The provisions of this Ordinance insofar as they are the same or substantially the same as those of any prior ordinance, shall be construed as a continuation of said prior ordinances.

SECTION 7. That it is the intention of the City Council of the City of Carbondale that this Ordinance and every provision thereof shall be considered separable, and the invalidity of any section, clause, or provision of this Ordinance shall not affect the validity of any other portion of this Ordinance.

SECTION 8. That the City Council of the City of Carbondale finds that the subject matter of this Ordinance pertains to the government and affairs of the City of Carbondale and is passed pursuant to authorities granted it by State statutes and the Home Rule powers of the City of Carbondale pursuant to the provisions of Article VII, Section 6(a) of the Illinois Constitution.

SECTION 9. That this Ordinance shall take effect upon its passage, approval, recording, and publication in pamphlet form in accordance with law.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk

**CERTIFICATE IN CONNECTION WITH PURCHASE OF SUPPLIES,
EQUIPMENT & MATERIALS IN EXCESS OF \$10,000.00**

(This certificate must be furnished to the City Manager in connection with each purchase)

The undersigned hereby certifies:

1. That the supplies, equipment or materials sought to be purchased are as follows:

BID NO.: 24-08

PROJECT NAME: Pinewood Resurfacing

CIP NO: ST2402

2. That specifications particularly and specifically describing same have been prepared, are complete in every detail, and a copy of same is attached.

3. That such supplies, equipment, or materials are needed in connection with:
Pinewood Resurfacing

4. That a notice calling for sealed bids are to be submitted on:

Bid Opening: August 15, 2023 at 10:00 a.m.

has been prepared, is attached hereto, and that the date fixed therein for reception of bids is more than 7 days after the date of this Certificate.

5. That a copy of such notice calling for sealed bids and a copy of the specifications have been furnished either by mail or personally this day to firms or persons most likely to be interested in submitting bids and furnishing such supplies, as follows: (All persons advised about the requirements, either by mail, telephone, or personally must be listed here - three (3) or more competitors must be notified.)

E.T. Simonds Construction
PO Box 2107
Carbondale, IL 62902
Phone: 618-457-8191
Fax: 618-549-0131
jjones@etsimonds.com

Evrard Construction
1703 East DeYoung
Marion, IL 62959
Phone: 618-997-8997
Fax: 618-997-9978
blaine@evard.com

Samron Midwest Contracting
PO Box 1555
Murphysboro, IL 62966
Phone: 618-687-5500
Fax: 618-687-5153
bnimmo@samron.com

Roadworks, LLC
12068 Old Frankfort Road
Marion, IL 62595
Phone: 618-922-8515
brandon@roadworksllc.com

ACI X
PO Box 315
Chester, IL 62233
Phone: 618-826-2854
acixoffice@gmail.com

B.C. Contracting
13715 N Greenbriar Road
Carterville, IL 62918
Phone: 618-922-6381
Bccontracting75@gmail.com

Pinoy Construction, Inc.
Benjamin Teston
420 N. Mill Street
Harrisburg, IL 62946
Phone: 618-252-0375
bossmanteston@gmail.com

Kinney Contractors, Inc.
19342 E. Frontage Rd
Raymond, IL 62520
Phone: 217-229-3322
estimating@roadbuilder.net

Steel Rebar Manufacturing, LLC
Donald Johnson
4926 Church Road
Centreville, IL 62207
Phone: 618-920-2748
donj@srmconstruction.com

PLANHOUSES

SIBA

ePlan

Prime Vendor Inc.

Delteck, Inc.

Dodge Construct

TO BE AWARDED ON August 22, 2023

This is the 31st day of July, 2023

Name: _____

Christi Green

Purchasing/Risk Mgt Specialist

2.)

City of
CARBONDALE
Illinois



Pinewood Drive Resurfacing

CIP NO. ST2402

Bid No. 24-08

Date of Opening: August 15, 2023

				E.T. Simonds Construction Co. PO Box 2107 Carbondale, IL 62902		Samron Midwest Contracting, Inc. PO Box 1555 Murphysboro, IL 62966					
BID BOND AMOUNT \$ or %				Yes		Yes					
ACCEPTABLE				Yes		Yes					
ITEM	Item/Description Name	QUANTITY	UNIT	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	Removal and Disposal of Unsuitable Material	50	CU YD	\$48.80	\$2,440.00	\$30.00	\$1,500.00				
2	Mulch, Method 2	0.25	ACRE	\$5,825.40	\$1,456.35	0	0				
3	Aggregate Subgrade Improvement	100	TON	\$20.94	\$2,094.00	\$30.00	\$3,000.00				
4	Aggregate Base Course, Type A	7	TON	\$228.19	\$1,597.33	\$45.00	\$315.00				
5	Bituminuous Materials (Tack Coat)	9649	POUND	0	0	0	0				
6	Temporary Ramp	65	SQ YD	\$32.12	\$2,087.80	\$20.00	\$1,300.00				
7	Hot-Mix Asphalt Binder Course, IL-9.5, N70	643	TON	\$137.59	\$88,470.37	\$125.00	\$80,375.00				
8	Hot-Mix Asphalt Surface Course IL-9.5FG, Mix "C", N70	1233	TON	\$101.14	\$124,705.62	\$105.00	\$129,465.00				
9	Bituminuous Materials (Prime Coat)	48	POUND	0	0	0	0				
10	Incidental Hot-Mix Asphalt Surfacing	2	TON	\$101.14	\$202.28	\$400.00	\$800.00				
11	Hot-Mix Asphalt Surface Removal, 2 1/4"	13684	SQ YD	\$2.90	\$39,683.60	\$3.50	\$47,894.00				
12	Hot-Mix Asphalt Surface Removal, 3"	611	SQ YD	\$15.31	\$9,354.41	\$3.50	\$2,138.50				
13	Driveway Pavement Removal	21	SQ YD	\$100.85	\$2,117.85	\$60.00	\$1,260.00				
14	Gutter Removal	36	FOOT	\$58.83	\$2,117.88	\$20.00	\$720.00				
15	Combination Curb and Gutter Removal	187	FOOT	\$45.30	\$8,471.10	\$20.00	\$3,740.00				
16	Class D Patches, Type I, 8 Inch	13	SQ YD	\$125.00	\$1,625.00	\$145.00	\$1,885.00				
17	Class D Patches, Type II, 8 Inch	98	SQ YD	\$111.00	\$10,878.00	\$140.00	\$13,720.00				
18	Class D Patches, Type IV, 8 Inch	423	SQ YD	\$109.00	\$46,107.00	\$130.00	\$54,990.00				
19	Water Valves to be Adjusted	2	EACH	\$82.50	\$165.00	\$125.00	\$250.00				
20	Manholes to be Adjusted	14	EACH	\$137.50	\$1,925.00	\$350.00	\$4,900.00				
21	Combination Concrete Curb and Gutter, Type B-6, 12	187	FOOT	\$71.81	\$13,428.47	\$60.00	\$11,220.00				
22	Mobilization	1	L SUM	\$49,363.94	\$49,363.94	\$24,000.00	\$24,000.00				
23	Paint Pavement Marking - Letters and Symbols	197	SQ FT	\$11.00	\$2,167.00	\$7.00	\$1,379.00				
24	Paint Pavement Marking - Line 4"	1528	FOOT	\$1.73	\$2,643.44	\$2.00	\$3,056.00				
25	Paint Pavement Marking - Line 24"	89	FOOT	\$11.00	\$979.00	\$13.00	\$1,157.00				
26	Construction Layout	1	L SUM	\$1,843.12	\$1,843.12	0	0				
27	Seeding, Class 2A (Special)	0.25	ACRE	\$4,712.00	\$1,178.00	0	0				
28	Concrete Gutter (Special)	36	FOOT	\$91.26	\$3,285.36	\$50.00	\$1,800.00				
29	Traffic Control and Protection (Special)	1	L SUM	\$18,278.06	\$18,278.06	\$18,500.00	\$18,500.00				
TOTAL					\$438,664.98		\$409,364.50				

Note:

This is a bid tab for proposals received August 15, 2023. Proposals will be reviewed by City Staff for acceptability.

Council approval is required for this contract.

The next City Council Meeting will be held at 7:00 p.m. on Tuesday, August 22, 2023

CARBONDALE
All Ways Open

DATE OF OPENING: August 15, 2023

Note:
This is a bid tab for proposals received August 15, 2023. Proposals will be reviewed by City Staff for acceptability.
Council approval is required for this contract.
The next City Council Meeting will be held at 7:00 p.m. on Tuesday, August 22, 2023.

**CERTIFICATE IN CONNECTION WITH PURCHASE OF SUPPLIES,
EQUIPMENT & MATERIALS IN EXCESS OF \$10,000.00**
(This certificate must be furnished to the City Manager in connection with each purchase.)

The undersigned hereby certifies:

1. That the supplies, equipment or materials sought to be purchased are as follows:
BID NO.: 24-09
PROJECT NAME: N. Washington Rehabilitation CIP No. ST2404
2. That specifications particularly and specifically describing same have been prepared, are complete in every detail, and a copy of same is attached.
3. That such supplies, equipment, or materials are needed in connection with:
N Washington Rehabilitation
4. That a notice calling for sealed bids are to be submitted on:
Bid Opening: August 15, 2023 at 10:00 a.m.
has been prepared, is attached hereto, and that the date fixed therein for reception of bids is more than 7 days after the date of this Certificate.
5. That a copy of such notice calling for sealed bids and a copy of the specifications have been furnished either by mail or personally this day to firms or persons most likely to be interested in submitting bids and furnishing such supplies, as follows:
(All persons advised about the requirements, either by mail, telephone, or personally must be listed here - three (3) or more competitors must be notified.)

E.T. Simonds Construction
PO Box 2107
Carbondale, IL 62902
Phone: 618-457-8191
Fax: 618-549-0131
jjones@etsimonds.com

Samron Midwest Contracting
PO Box 1555
Murphysboro, IL 62966
Phone: 618-687-5500
Fax: 618-687-5153
bnimmo@samron.com

Evrard Construction
1703 East DeYoung
Marion, IL 62959
Phone: 618-997-8997
Fax: 618-997-9978
blaine@evard.com

Roadworks, LLC
12068 Old Frankfort Road
Marion, IL 62595
Phone: 618-922-8515
brandon@roadworksllc.com

ACIX
PO Box 315
Chester, IL 62233
Phone: 618-826-2854
acixoffice@gmail.com

B.C. Contracting
13715 N Greenbriar Road
Carterville, IL 62918
Phone: 618-922-6381
Becontracting75@gmail.com

Steel Rebar Manufacturing, LLC
Donald Johnson
4926 Church Road
Centreville, IL 62207
Phone: 618-920-2748
donj@srmconstruction.com

Pinoy Construction, Inc.
Benjamin Teston
420 N. Mill Street
Harrisburg, IL 62946
Phone: 618-252-0375
bossmanteston@gmail.com

Kinney Contractors, Inc.
19342 East Frontage Road
Raymond, IL 62560
Phone: 217-229-3322
kinney@roadbuilder.net

PLANHOUSES

SIBA
ePlan
Prime Vendor Inc.
Deltek, Inc.
Dodge Construction

TO BE AWARDED ON August 22, 2023
This is the 31st day of July, 2023

Name: _____
Christi Green
Purchasing/Risk Mgt Specialist

RESOLUTION NO. 2023-R-_____

A RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER INTO AN AGREEMENT WITH RJN GROUP FOR ENGINEERING SERVICES FOR WATER SERVICE LINE MATERIAL INVENTORY

WHEREAS, the City of Carbondale, Illinois, is a home rule unit of local government under the Illinois Constitution, 1970, Article VII, Section 6; and

WHEREAS, pursuant to Article VII, Section 6(a) of the Illinois Constitution, 1970, the City of Carbondale may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to regulate for the protection of the public, health, safety, morals and welfare; and

WHEREAS, the City of Carbondale owns and maintains more than 8,000 water service connections; and

WHEREAS, the Illinois Environmental Protection Agency has mandated all water systems in the state to prepare a final water service line material inventory due in April, 2024; and

WHEREAS, the Carbondale City Council finds it in the best interest of the residents of Carbondale to have the City Manager enter into an agreement for engineering services with RJN Group to prepare a water service line material inventory to maintain compliance with state regulations and environmental standards.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CARBONDALE, ILLINOIS, AS FOLLOWS:

SECTION 1. That the City Council of the City of Carbondale hereby finds it in the best interest of the residents of Carbondale to have the City Manager enter into an agreement for engineering services with RJN Group to prepare a water service line material inventory.

SECTION 2. That the City Manager of the City of Carbondale is hereby authorized to and shall take any and all reasonable, necessary and proper action to carry out the intent and purposes of this Resolution.

SECTION 3. That this Resolution be spread at length upon the minute records of the City Council of the City of Carbondale, Illinois.

This Resolution adopted at a regular meeting of the City Council of the City of Carbondale, Illinois, on the 22nd day of August, 2023.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk

CITY OF CARBONDALE

AGREEMENT FOR PROFESSIONAL SERVICES

Engineer or Other Consultant

Project Name: 2023 IEPA Lead Service Line Inventory Program- Phase II ("Project")

Project Address or Location: Carbondale

City: Carbondale State: Illinois Zip Code: 62901

Plan: N/A

This Agreement for Professional Services ("Agreement") is made and entered into effective as of _____, 2023 by and between RJN GROUP, INC., ("Consultant") and **the City of Carbondale** ("City"), who agree as follows:

- 1) Services. Consultant agrees to furnish all services, labor, personnel and materials necessary to perform and complete the services described in Exhibit A ("Services"). If no completion date is specified in Exhibit A, Consultant agrees to furnish the Services in a timely and expeditious manner consistent with the applicable professional standard of care. In the event of any conflict or inconsistency between the terms and conditions set forth in Exhibit A and the terms and conditions set forth in this Agreement, the terms and conditions set forth in this Agreement shall prevail. Consultant agrees to comply with any additional terms and conditions required by applicable laws, codes, rules and regulations in effect at the time and location of the work performed.
- 2) Compensation. City shall compensate Consultant for the performance of the Services in a sum computed and payable in the manner set forth in Exhibit B ("Compensation"). Exhibit B shall also set forth any expenses reasonably anticipated to be incurred by Consultant, which are to be reimbursed by City in addition to Compensation. Consultant shall not be reimbursed for expenses that are not set forth on Exhibit B unless specifically approved in writing by City. The Compensation agreed to and set forth in Exhibit B and any subsequent approved compensation for Additional Services as set forth in any Exhibit C (to be hereafter approved pursuant to Paragraph 3 below), shall be paid by City in monthly progress payments equal to the total work performed by Consultant. Such progress payments shall be made after receipt of an application for payment submitted to City by Consultant, accompanied by invoices or other documentation as may be required by City. Original invoices with accompanying support documentation and lien releases should be forwarded to:

City of Carbondale, 200 South Illinois Avenue, P.O. Box 2047 Carbondale, Illinois 62902

- 3) Additional Services. Any services in addition to the Services ("Additional Services") shall be performed by Consultant only upon the written request of City. Orders for Additional Services shall be on the form attached hereto as set forth in Exhibit C and shall be acknowledged by City and Consultant in writing, prior to any such work identified as Additional Services is performed

by Consultant. Failure by Consultant to obtain written authorization and acknowledgement by City for Additional Services shall result in non-payment for any such Additional Services or work performed. Except as otherwise agreed in writing by Consultant and City, all Additional Services shall be subject to the terms and conditions of this Agreement. City may also by written notice to Consultant make any reasonable reductions to the scope of the Services and the compensation payable to Consultant shall be reduced in a fair and reasonable amount on account thereof.

- 4) Assignment & Sub-consultants. Consultant acknowledges that City has entered into this Agreement in reliance upon the particular reputation and expertise of Consultant. Consultant shall not enter into any sub-consultant agreements for the performance of any of the Services or Additional Services without City's prior written consent, which may be withheld in City's sole discretion. City shall have the right in its reasonable discretion to approve all personnel assigned to the subject Project during the performance of this Agreement and no personnel to whom City has an objection, in its reasonable discretion, shall be assigned to the Project. Consultant shall require each sub-consultant, as approved by City and to the extent of the Services to be performed by the sub-consultant, to be bound to Consultant by the terms of this Agreement, and to assume toward Consultant all the obligations and responsibilities which Consultant, by this Agreement, assumes toward City. City shall have the right (but not the obligation) to enforce the provisions of this Agreement against any sub-consultant hired by Consultant and Consultant shall cooperate in such process.
- 5) Insurance. Unless otherwise agreed to in writing by City, Consultant agrees to provide and maintain, at Consultant's sole cost and expense, the following insurance coverages:
 - a) Types of Insurance.
 - i) Workers' Compensation, with policy limits as required by law, and Employers Liability Coverage, with policy limits of \$1,000,000 each accident for Bodily Injury by Accident; \$1,000,000 each employee for Bodily Injury by Disease; and \$1,000,000 policy limit for Bodily Injury by Disease, and a waiver of subrogation in favor of City.
 - ii) Commercial Auto Coverage, with limits of not less than \$1,000,000 each accident combined Bodily Injury and Property Damage Liability insurance, including coverage for owned, hired, and non-owned vehicles with a waiver of subrogation in favor of City.
 - iii) Commercial General Liability, on the current ISO "occurrence" type commercial general liability form (CG 0001), with limits of liability of not less than \$1,000,000 per occurrence; \$1,000,000 for bodily injury; \$500,000 for property damage liability; \$1,000,000 for personal injury and advertising injury liability; and \$1,500,000 in annual aggregate limits. The policy shall provide a waiver if subrogation in favor of, and shall list as additional insureds if commercially available, and any other persons and entities City shall designate.
 - iv) Professional Liability (Errors and Omissions) Insurance, with prior acts coverage for all Services and Additional Services required hereunder, in a form and with insurer or

insurers satisfactory to City, with limits of liability of not less than \$1,000,000 per claim and \$1,500,000 in the aggregate. The policy shall provide a waiver of subrogation in favor of City.

b) Other Requirements.

- i) Consultant shall maintain the foregoing coverage in effect until the Services and Additional Services are completed. In addition, to the extent commercially available at reasonable rates, all such policies shall be kept in force by Consultant until the applicable statute of limitations for professional liability and construction defect claims for the Project have expired.
 - ii) All policies must be written by insurance companies whose rating in the most recent Best's rating guide is not less than A-. If any non-admitted (surplus or excess lines) insurer is used to provide any of the above policies, the policy must include an endorsement restricting the insurer's right to cancel the policy to the following circumstances after it has been in effect for sixty (60) days: (i) non-payment of premium; or (ii) discovery of fraud or material misrepresentation in the application for insurance.
 - iii) Certificates of Insurance with the required endorsements evidencing the coverage must be delivered to City prior to commencement of any Services under this Agreement and must be provided on an annual basis commencing on the first (1st) anniversary of the policy year and continuing thereafter, or at any time within fifteen (15) days after request therefore by City or an additional insured. Notwithstanding any other provision hereof, Consultant shall provide City a complete copy of any policy of insurance required hereunder within five (5) business days of a written request from City, and hereby authorizes Consultant's brokers, without further notice to or authorization by Consultant, to immediately comply with any written request of City for a complete copy of any policy required hereunder.
 - iv) If Consultant fails to secure and maintain the insurance required by this Agreement and provide satisfactory evidence thereof to City, City shall be entitled to terminate this Agreement upon reasonable notice.
 - v) Consultant's insurance shall be primary to any insurance held by City for claims arising from actions or inactions at the fault of the Consultant.
 - vi) City, and all additional insured parties listed on policies as required hereunder are third party beneficiaries of this Paragraph 5. The provisions of this Paragraph 5 shall survive the termination of this Agreement.
- 6) Indemnification. Consultant agrees to indemnify, defend and hold harmless City and its affiliates, partners, shareholders, members, officers, directors, agents, employees, subsidiary and parent entities (collectively, "City Indemnitees") from and against any and all claims, demands, losses, liabilities, damages, disbursements, obligations, fines, penalties, costs and expenses (including, but not limited to, reasonable attorneys' fees and costs) ("Claims") actually or allegedly arising from, resulting from, or connected with Consultant's negligent acts, errors, or omissions in the

performance of the Services (including any Additional Services) provided by Consultant and its agents, employees, subconsultants and/or suppliers, regardless of whether or not such Claims are caused in part by a party indemnified hereunder, even though such Claims may prove to be false, groundless or fraudulent, to the fullest extent permitted by law. City agrees to indemnify, and hold harmless Consultant and its affiliates, partners, shareholders, members, officers, directors, agents, employees, subsidiary and parent entities (collectively, "Consultant Indemnitees") from and against any and all claims, demands, losses, liabilities, damages, disbursements, obligations, fines, penalties, costs and expenses (including, but not limited to, reasonable attorneys' fees and costs) ("Claims") actually or allegedly arising from, resulting from, or connected with City's negligent acts, errors, or omissions in the performance of the Services (including any Additional Services) provided by City and its agents, employees, subconsultants and/or suppliers, regardless of whether or not such Claims are caused in part by a party indemnified hereunder, even though such Claims may prove to be false, groundless or fraudulent, to the fullest extent permitted by law.

- a) Each party's duty to indemnify the other shall not apply to liability for damages arising out of bodily injury to persons or damage to property caused by or resulting from a party's own negligence or that of its agents or employees.
 - b) The indemnity and hold harmless provisions of this Agreement shall survive expiration or termination hereof. City and Consultant hereby certify and agree that the indemnity and hold harmless provisions of this Agreement have been freely and mutually negotiated.
- 7) Limitation of Liability. To the fullest extent permitted by law, the total liability of the Consultant including officers, directors, employees, for any and all injuries, claims, losses, expenses, or damages arising out of or related to the Consultants services for the Project under this Agreement, from any cause or causes shall not exceed the Consultant's fee for the Project.
- 8) Ownership of Documents. All documents prepared by Consultant in connection with Consultant's performance under this Agreement shall become the property of City and Consultant shall execute written assignments to City of all rights (including common law, statutory, and other rights, including copyrights) to the same as City shall from time to time request. The City agrees not to use or reuse the documents for any projects other than for which the documents were prepared, without written permission of the Consultant. Any misuse or reuse shall be at the City's sole risk and without liability to the Consultant. For purposes of this paragraph, the term "documents" shall mean and include all reports, plans, studies, tape or other electronic recordings, drawings, sketches, estimates, data sheets, maps and work sheets produced, or prepared by or for Consultant (including any employee or subcontractor in connection with the performance of the Services and Additional Services under this Agreement).
- 9) Notices. All notices or other communications made pursuant hereto shall be in writing and shall be deemed properly delivered, given or served (i) when personally delivered, or (ii) two (2) calendar days after being deposited in the United States mail, certified or registered, postage prepaid, return receipt requested, (iii) when delivered by FedEx or other comparable courier service, charges prepaid, to the parties at their respective addresses listed below their signatures,

or (iv) when sent electronically so long as the sending party can provide a confirmation showing the date, time, and receiving date of electronic communication. Either party may change its address for the purposes of this paragraph by giving five (5) days prior written notice of such change to the other party.

City:

City Manager
200 S. Illinois Avenue
Carbondale, Illinois 62902
Telephone: (618) 457-3226

Consultant:

Attn: Akwasi Nketia, P.E.
2655 Warrenville Road, Suite 225,
Downers Grove, IL 60515

Telephone: (630) 318-3173
Facsimile:

10) Coordination.

- a) Consultant acknowledges that the development and processing of the work for the Project may require close coordination between various consultants. Consultant shall coordinate the Services required hereunder with the other consultants that are identified by City to Consultant from time to time, and Consultant shall immediately notify such other consultants, in writing, of any changes or revisions to Consultant's work product that might affect the work of other consultants providing services for the Project and concurrently provide City with a copy of such notification. Consultant shall not knowingly cause other consultants extra work without obtaining prior written approval from City. If such prior approval is not obtained, Consultant shall be subject to any offset for the costs of such extra work. City shall provide Consultant with legal access to the Project site as required by Consultant to perform and complete the Services. Such access should be verified in advance by Consultant with City prior to entering the property.
- b) City appoints City's Representative to act for City and Consultant appoints Consultant's Representative to act for Consultant in all matters covered by this Agreement. All inquiries, requests, instructions, authorizations and other communications with respect to the matters covered by this Agreement will be made to City's Representative or Consultant's Representative, as the case may be. Either party may change its Representative under this Agreement at any time by giving at least five (5) days' prior written notice of such change to the other party.

City's Representative:

Tony Harrison, Director of Utilities

Consultant's Representative:

Akwasi Nketia, Principal Project Manager

11) Termination & Suspension.

- a) If either party to this Agreement fails to substantially perform in accordance with the terms, covenants and conditions of this Agreement or is otherwise in default of any of the terms of this Agreement (the “Defaulting Party”), then the non-defaulting party, after giving seven (7) days’ notice to the Defaulting Party of the alleged default, and upon the Defaulting Party’s failure to cure said breach within said seven (7) days, may initiate the dispute resolution process outlined in Paragraph 11) below. However, Consultant shall continue to provide the Services in a timely and expeditious manner during all disputes, actions or claims that are subject to Paragraph 11) below, unless this Agreement is terminated under Subparagraphs (b) or (c) below (or as otherwise agreed between Consultant and City in writing).
- b) Notwithstanding Subparagraph (a) above, City may terminate this Agreement at any time and for any reason with seven (7) calendar days’ prior written notice to Consultant. On termination of this Agreement by City under this paragraph, City shall pay to Consultant as payment in full for all labor, work and services performed, all materials supplied, and expenses incurred by Consultant as follows: (i) the agreed compensation for all Services and approved Additional Services actually performed by Consultant under this Agreement up to the effective date of termination, plus (ii) the amount of all reimbursable expenses (i.e., expenses for which City has agreed to reimburse Consultant as set forth in Exhibit B) incurred by Consultant up to the effective date of termination for which City had not yet reimbursed Consultant before the effective date of termination. Concurrent with Consultant's receipt of such payment, Consultant shall sign and deliver to City true and complete copies of Consultant's work product and final unconditional lien release(s) of all lien rights for itself and any person, firm or entity with whom it has contracted for the performance of the Services (including any Additional Services) hereunder. As used herein, the “effective date of termination” shall be that date which is seven (7) calendar days after Consultant's receipt of the notice of termination.
- c) Notwithstanding Subparagraphs (a) and (b) above, if City, through no fault of Consultant, fails to pay Consultant within seven (7) days after the date established for payment under this Agreement, Consultant shall have the right to terminate this Agreement upon seven (7) additional days written notice to City and City’s failure to cure said breach within the seven (7) day cure period. In the event of termination by Consultant, the “effective date of termination” shall be that date which is seven (7) day days after City’s receipt of the notice of termination.

12) Litigation. Any and all claims, disputes or controversies related to this Agreement, or breach thereof, shall be litigated in the 1st Circuit Court for Jackson County, Illinois, which shall be the sole and exclusive forum for such litigation.. The parties agree that City shall have the right, but

not the obligation, to join Consultant, the architect and any contractors), subcontractor(s), sub-consultant(s) and(or) guarantor(s) in any action or proceeding arising in connection with this Agreement and no provision or condition contained herein shall prevent the joinder of such parties. The parties also acknowledge and agree that City shall have the right to join Consultant, the architect and any contractor(s), subcontractor(s), subconsultant(s) and(or) guarantor(s) in any resulting mediation and(or) litigation. The parties acknowledge and agree that City shall have the right to stay any such proceedings until such time as Consultant has completed the Services required under this Agreement (or this Agreement has otherwise been terminated) so that all such matters can be resolved in consolidated proceedings.

13) General Conditions.

- a) Consultant represents that its professional personnel are, and covenants that its professional personnel shall at all times remain, duly licensed to perform the Services and Additional Services within the applicable jurisdiction(s).
- b) Each of the Exhibits referred to herein and attached hereto is an integral part of this Agreement and is incorporated herein by reference.
- c) Consultant agrees to perform the services with the care and skill ordinarily used by members of the same profession practicing under similar circumstances at the same time and in the same locality. By executing the Agreement, Consultant confirms that the time limitations set forth herein are reasonable period(s) for performing the Services.
- d) This Agreement shall be construed and interpreted under and shall be governed and enforced according to the domestic laws of the State of Illinois (without reference to the doctrine of conflicts of law).
- e) Consultant agrees to keep confidential any and all information concerning the plans, operations or activities of City, its parent, affiliates, divisions and subsidiaries which may be divulged to Consultant by any source in the course of the performance of Consultant's services under this Agreement, and Consultant shall not use the name of City or City's logo or the logo of any division or project of City without the prior written approval of City.
- f) Consultant shall pay all taxes imposed by any federal, state or local taxing authority on all payrolls and compensation of its employees and subcontractors and any other taxes, fees and charges levied against Consultant on account of this Agreement.
- g) This Agreement constitutes an agreement for the performance of work and services by Consultant as an independent contractor and not as an employee of City.
- h) Nothing contained in this Agreement shall be deemed to create a relationship of employer-employee, master-servant, partnership, joint venture or any other relationship between City and Consultant except that of independent contractor. Consultant shall have no authority to bind City, or to approve any Additional Services, unless specifically approved by City in writing.

- i) This Agreement contains the entire agreement between the parties with respect to the subject matter hereof and supersedes all other agreements or understandings between the parties with respect thereto.
- j) This Agreement may not be amended or supplemented, nor may any obligations hereunder be waived, except by a written instrument signed by the party to be charged. Notwithstanding the foregoing sentence, Consultant agrees to make such revisions to this Agreement as may be reasonably required by City.
- k) Consultant shall not assign any portion of this Agreement without the prior written consent of City. City shall have the right to assign this Agreement to any lender (including the Project Lender) advancing funds in connection with the Project, or to any partnership, affiliated entity or any other entity formed by City in which it retains an interest. City shall be permitted to make such assignment in City's sole and absolute discretion. Upon such assignment, City shall have no further obligations hereunder.
- l) This Agreement and the covenants contained herein shall be binding upon and shall inure to the benefit of the parties hereto and their respective permitted assigns and successors-in- interest.
- m) No failure or delay by either party in the exercise of any right given to such party hereunder shall constitute a waiver thereof. No waiver of any breach of any agreement or provision contained herein shall be deemed a waiver of any preceding or succeeding breach thereof or of any other agreement or provision contained herein.
- n) Whenever the context hereof shall so require, the singular shall include the plural, the male gender shall include the female and the neuter, and vice versa.
- o) The invalidity, illegality or unenforceability of any provision of this Agreement shall not affect the validity or enforceability of any other provision hereof.

IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written at Carbondale, Illinois.

CITY:

CONSULTANT:

By: _____


By: Michael N. Young

Its: City Manager

Its: Senior Vice President

EXHIBIT A (SERVICES)

Please see next page for RJN Proposal dated August 15, 2023.



August 15, 2023

Mr. Tony Harrison
Director of Utilities
City of Carbondale
2401 S McLafferty Rd
Carbondale, Illinois 62903

Subject: Proposal for Professional Engineering Services
 Lead Service Line Inventory Program (LSLI) – Phase II

Dear Mr. Harrison:

RJN Group, Inc. (RJN) is pleased to submit this proposal to assist the City of Carbondale (City) in developing a comprehensive water service line material inventory that meets the requirements of the Lead Service Line Replacement (LSLR) and Notification Act of January 2022. The City was recently notified of another grant award of \$50,000 from the Illinois Environmental Protection Agency bringing the total awarded amount to \$100,000 to assist in developing the comprehensive material inventory database.

Background, Key Project Goals and Objectives

The City of Carbondale contracted with RJN earlier this year for the LSLI Phase I program. The scope of work under the Phase I program included the review of historical records, preliminary record screening/review; community outreach; quarterly grant reporting and preparation of preliminary inventory database. The Phase I program is near completion and the goal and objectives of the Phase II program are as follows:

1. Perform additional community outreach of the oldest part of the City (high-risk area) which is about 0.5-1-mile radius of the intersection of North Illinois Avenue and West Main Street comprising of approximately 1,500 homes.
2. Perform field inspections to identify material composition within the high-risk area.
3. Develop a final material inventory database and submit it to the IEPA by April 2024 deadline.

The final material inventory database shall identify:

1. The total number of service lines in the City
2. The material of each service lines connected to the distribution system
3. The number of suspected lead service lines that were identified since the last material inventory submittal.
4. The number of suspected or known lead service lines that were replaced since the last material inventory.

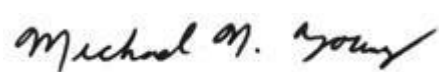
Price and Schedule Summary

This project will be invoiced on a **Time and Material Basis** for a not-to-exceed total cost of **\$92,884**. RJN will work with the City to submit a completed inventory before the final deadline of April 15, 2024.

A complete Scope of Services and Rate Schedules are attached to this proposal as Exhibits A & B.

We look forward to the opportunity to work with the City of Carbondale on this important project. Please feel free to contact Akwasi at 630.682.4700 x1322 if you would like to discuss this proposal or have any questions.

Sincerely,



Michael Young, P.E.
Senior Vice President



Akwasi Nketia, P.E.
Principal Project Manager

Accepted by the City of Carbondale:

Signed: _____

Print: _____

Title: _____

Date: _____



EXHIBIT A

SCOPE OF SERVICES

RJN proposes the following scope of services for this project:

1. Schedule a virtual kick-off meeting with the City to discuss project goals, roles, and responsibilities.
2. Schedule and perform field inspections of the approximately 1,500 water meter locations within the high-risk area and document the service material composition. This 1,500-water meter location assumes the worst-case scenario. These water meter sites are assumed to be accessible and can be inspected visually outside the building, including opening lids and performing minor uncovering if needed.
3. Distribute resident survey postcards at each property to be field inspected. The resident survey postcards to be distributed shall be the surplus from the Phase I program. If more is needed, RJN will coordinate and have these printed by an outside printing company.
4. Compile all additional screening and investigation findings and resident responses into the final database to assist with the April 15, 2024, final submittal deadline.
5. Complete and submit Periodic Financial and Periodic Performance reporting as required as part of the funding agreement with the City. These reports shall include narrative progress and invoice for disbursements documentation.

Items not included in this Proposal are:

- Hydro-excavation
- Incorporating all data obtained during inventory efforts into City GIS System
- Printing & mailing costs if needed (This is not included in our proposal. The costs shall be provided by an outside vendor and will be provided to City for approval prior to printing)
- RJN crew will keep track of all water meter locations that will need additional work aside from the minor uncovering, visual inspection and documentation. RJN will coordinate with City after final development of a complete “not identified” list which at that point if requested by the City, a new proposal would be submitted for that work.

Items Needed from the City are:

- Assistance with meter site locations, as needed.
- Staff member to support RJN field technician(s) as needed.
- Assistance with coordination and communication with the property owners.
- Any data that would be helpful for service line material identification, as it becomes available.
- Assistance with traffic control, as needed.



EXHIBIT B

PRICING

Based on the scope of services outlined in Exhibit A, we provide our cost breakdown as follows:

Pricing Terms for Invoicing: **Time & Materials**

Not-To-Exceed Total Cost: \$92,884

The fee is summarized below:

Task #	Task Description	Hours	Cost
1001	Virtual Kick-off meeting with City	3	\$605
1002	Resident Survey Postcards/coordination (total of 1,500)	12	\$1,738
1003	Obtain & compile Additional Resident Responses	40	\$5,280
1004	Field Prep & Electronic Data Setup/Finalize Field List	37	\$5,330
1005	Perform Field Inspections at Meter Sites	400	\$63,058
1006	Complete Final IEPA Inventory Template per findings	60	\$7,920
1007	Project Management	28	\$5,786
1008	Updates to Grant Reporting to IEPA	24	\$3,168
Total Contract Amount		604	\$92,884

Hourly Rate Schedule

	Classification	2023 Rates*
PD	Project Director	\$250.00
SPM	Senior Project Manager	\$215.00
PM	Project Manager	\$185.00
SCM	Sr. Construction Manager	\$175.00
CM	Construction Manager	\$155.00
CO	Construction Observer	\$135.00
SPE	Senior Project Engineer	\$155.00
PE	Project Engineer	\$140.00
EI	Engineer I	\$120.00
GSS	GIS Specialist	\$120.00
GIS	GIS Analyst	\$105.00
SDA	Senior Data Analyst	\$120.00
DA	Data Analyst	\$100.00
FM	Field Manager	\$105.00
FS	Field Supervisor	\$95.00
FT	Field Technician	\$90.00
AS	Administrative Support	\$95.00
	<i>*Rates valid through 12/31/2023.</i>	

EXHIBIT B (COMPENSATION)

The City shall compensate the Consultant per fee schedule shown below:

Task #	Task Description	Hours	Cost
1001	Virtual Kick-off meeting with City	3	\$605
1002	Resident Survey Postcards/coordination (total of 1,500)	12	\$1,738
1003	Obtain & compile Additional Resident Responses	40	\$5,280
1004	Field Prep & Electronic Data Setup/Finalize Field List	37	\$5,330
1005	Perform Field Inspections at Meter Sites	400	\$63,058
1006	Complete Final IEPA Inventory Template per findings	60	\$7,920
1007	Project Management	28	\$5,786
1008	Updates to Grant Reporting to IEPA	24	\$3,168
Total Contract Amount		604	\$92,884

EXHIBIT C.1

SAMPLE

AGREEMENT FOR PROFESSIONAL SERVICES – ADDITIONAL SERVICES

Architect, Engineer or Other Consultant

Project Name: _____

Project Address or Location: _____

City: _____ State: _____ Zip Code: _____

Consultant and City are parties to the above-referenced contract (“Contract”) and wish to amend the Contract as follows:

A. Consultant has been requested to perform and agrees to perform the following Additional Services:

B. The compensation for said Additional Services shall be billed as time and materials to a maximum of \$_____, which is in addition to the amounts stated in the Contract.

Except as expressly amended or modified herein, the Contract shall remain unmodified and in full force and effect.

This Amendment is executed on the _____ day of _____, _____, at _____, Illinois.

CITY OF CARBONDALE:

CONSULTANT:

By: _____

Its: _____

By: _____

Its: _____

Consultant’s Contact Information:

Street Address: _____

City: _____ State: _____ Zip Code: _____

Contact Name: _____ Tax I.D. Number: _____

RESOLUTION NO. 2023-R-_____

A RESOLUTION DECLARING CITY PERSONAL PROPERTY SURPLUS

WHEREAS, the City of Carbondale, Illinois, is a home rule unit of local government under the Illinois Constitution, 1970, Article VII, Section 6; and

WHEREAS, pursuant to Article VII, Section 6(a) of the Illinois Constitution, 1970, the City of Carbondale may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to regulate for the protection of the public, health, safety, morals and welfare; and

WHEREAS, the City of Carbondale Utilities Department has a 2009 Grasshopper commercial mower Model # 930D, Serial # 28946 as surplus; and

WHEREAS, the Carbondale City Council finds it in the best interest of the residents of Carbondale to declare a 2009 Grasshopper commercial mower Model # 930D, Serial # 28946 as surplus pursuant to Section 1-13-13(B) of the Carbondale Revised Code.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CARBONDALE, ILLINOIS, AS FOLLOWS:

SECTION 1. That the City Council of the City of Carbondale hereby finds it in the best interest of the residents of Carbondale to declare a 2009 Grasshopper commercial mower Model # 930D, Serial # 28946 as surplus pursuant to Section 1-13-13(B) of the Carbondale Revised Code.

SECTION 2. That the City Manager of the City of Carbondale is hereby authorized to and shall take any and all reasonable, necessary and proper action to carry out the intent and purposes of this Resolution.

SECTION 3. That this Resolution be spread at length upon the minute records of the City Council of the City of Carbondale, Illinois.

This Resolution adopted at a regular meeting of the City Council of the City of Carbondale, Illinois, on the 22nd day of August, 2023.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk

City of
CARBONDALE
Illinois



Commercial Zero Turn Riding Mower

Bid No. 24-10

Date of Opening: August 15, 2023

			H&R Agripower 13998 State Hwy 34 E Benton, IL 62812	H&R Agripower 13998 State Hwy 34 E Benton, IL 62812	Little Tractor & Equipment Co. PO Box 772 Harrisburg, IL 62946	
Model:			Grasshopper 725D	Grasshopper 900D	Grasshopper 725DT	
Acceptable:			Yes	Yes	Yes	
ITEM DESCRIPTION	Unit	Quantity	Bid Amount	Bid Amount	Bid Amount	Bid Amount
Commercial Zero Turn Riding Mower	Each	1	\$16,945.00	\$20,355.00	\$19,579.75	
TRADE-IN:						
2009 Grasshopper Mower Model:930D Serial #28946	Each	1	(\$1,500.00)	(\$1,500.00)	(\$4,300.00)	
TOTAL BID			\$15,445.00	\$18,855.00	\$15,279.75	
Expected delivery date:			14 Business Days	14 Business Days	In Stock	

Note:
This is a bid tab for proposals received August 15, 2023. Proposals will be reviewed by City Staff for acceptability.
Council approval is required for this contract.
The next City Council Meeting will be held at 7:00 p.m. on Tuesday, August 22, 2023

**CERTIFICATE IN CONNECTION WITH PURCHASE OF SUPPLIES,
EQUIPMENT & MATERIALS IN EXCESS OF \$10,000.00**
(This certificate must be furnished to the City Manager in connection with each purchase.)

The undersigned hereby certifies:

1. That the supplies, equipment or materials sought to be purchased are as follows:
BID NO.: 24-10
PROJECT NAME: Commercial Zero Turn Riding Mower
2. That specifications particularly and specifically describing same have been prepared, are complete in every detail, and a copy of same is attached.
3. That such supplies, equipment, or materials are needed in connection with daily operations of Lake Maintenance
4. That a notice calling for sealed bids are to be submitted on:
Bid Opening: Tuesday, August 15, 2023 at 10:00 a.m.
has been prepared, is attached hereto, and that the date fixed therein for reception of bids is more than 7 days after the date of this Certificate.
5. That a copy of such notice calling for sealed bids and a copy of the specifications have been furnished either by mail or personally this day to firms or persons most likely to be interested in submitting bids and furnishing such supplies, as follows:
(All persons advised about the requirements, either by mail, telephone, or personally must be listed here - three (3) or more competitors must be notified.)

Matrix Tools
1304 Cornell Avenue
Marion, IL 62959
618-993-3275
jason@littletractor.com

KB's Outdoor Power Inc.
2833 S. Park Avenue
Herrin, IL 62948
618-942-2233
marionkubota@yahoo.com

Coleman Lawn Equipment
210 East Walnut
Carbondale, IL 62901
Phone: 618-529-0181
jakegatorade@gmail.com

Hutson
3690 James Sanders Blvd
Paducah, KY 42001
620-345-8621
ahahn@hutsoninc.com

The Grasshopper Co.
105 Old Hwy 81
Moundridge, KS 67107
620-345-8621
jeicher@grasshoppermower.com

H & R Agri-Power
5413 Elkville Road
Vergennes, IL 62994
618-684-4818
Heath.Rose@hragripower.com

Tilesinstyle
16940 Vincennes Ave.
South Holland, IL 60473
866-552-8262
sam@tilesinstyle.com

Bobcat of Marion
1417 Donna Drive
Carterville, IL 62918
618-985-8920
adahmer@bobcatofmarion.com

Ben's Lawn Service
605 N. Main Street
Benton, IL 62812
618-435-5296
benslawn@hotmail.com

Outdoor Power Sales & Services LLC
14960 State Hwy 37
Whittington, IL 62897
618-472-9211
larry@outdoorpowerllc.com

TO BE AWARDED ON AUGUST 22, 2023
This is the 7th day of August, 2023

Name: _____
Christi Green
Purchasing/Risk Mgt Specialist

Prime Vendor Inc.

**CITY OF CARBONDALE, ILLINOIS
ORDINANCE NO. 2023-_____**

**AN ORDINANCE AMENDING TITLE ONE, CHAPTER FIVE OF THE CARBONDALE
REVISED CODE ADRESSING THE ISSUES OF WASTE AND ABUSE**

**ADOPTED BY THE CITY COUNCIL
OF THE CITY OF CARBONDALE, ILLINOIS
ON THE 22ND DAY OF AUGUST 2023**

**Published in pamphlet form by the authority of the City Council of the City of Carbondale,
Jackson County, Illinois, on this 23rd day of August 2023.**

CERTIFICATE OF PUBLICATION

**I, Jennifer R. Sorrell, the duly qualified and acting City Clerk of the City of
Carbondale, Illinois, and the official custodian of the records of said City, do hereby certify
that this Ordinance was published in pamphlet form by the authority of the City Council
on the 23rd day of August 2023.**

Jennifer R. Sorrell, City Clerk

ORDINANCE NO. 2023-_____

**AN ORDINANCE AMENDING TITLE ONE, CHAPTER FIVE OF THE CARBONDALE
REVISED CODE ADDRESSING THE ISSUES OF WASTE AND ABUSE**

WHEREAS, the City of Carbondale, Illinois is a home rule unit of local government under the Illinois Constitution, 1970, Article VII, Section 6; and

WHEREAS, pursuant to Article VII, Section 6(a), of the Illinois Constitution, 1970, the City of Carbondale may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to regulate for the protection of the public health, safety, morals and welfare; and

WHEREAS, Title One, Chapter Five of the Carbondale Revised Code is the City's Code of Ethics; and

WHEREAS, several grants require that recipients address the issues of waste and abuse and a mechanism for reporting such; and

WHEREAS, the current Code of Ethics does not address waste and abuse and does not contain a mechanism for reporting, the changes as shown in Exhibit A, attached hereto and incorporated herein address these issues; and

WHEREAS, the Council of the City of Carbondale finds that it is in the best interest of the health, safety, and welfare of the City of Carbondale to amend Title One, Chapter Five of the Carbondale Revised Code as shown in Exhibit A, attached hereto and incorporated herein.

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE
CITY OF CARBONDALE, ILLINOIS, AS FOLLOWS:**

SECTION 1. That Title One, Chapter Five of the Carbondale Revised Code, is hereby amended as shown in Attachment "A" attached hereto and incorporated herein.

SECTION 2. All of the remaining Sections of Title One, Chapter Five of the Carbondale Revised Code shall remain in full force and effect.

SECTION 3. That all ordinances and parts thereof in conflict herewith are expressly repealed and are of no other force and effect.

SECTION 4. The repeal of any ordinance by this Ordinance shall not affect any rights accrued or liability incurred under said repealed ordinance to the effective date hereof. The provisions of this Ordinance, insofar as they are the same or substantially the same as those of any prior ordinance shall be construed as a continuation of said prior ordinance.

SECTION 5. That it is the intention of the City Council of the City of Carbondale that this Ordinance and every provision thereof shall be considered separable and the invalidity of any section, clause, or provision of this Ordinance shall not affect the validity of any other portion of this Ordinance.

SECTION 6. That the City Council of the City of Carbondale finds that the subject matter of this ordinance pertains to the government and affairs of the City of Carbondale and is passed pursuant to the provisions of Article VII, Section 6(a) of the 1970 Illinois Constitution.

SECTION 7. That this Ordinance shall take effect upon its passage, approval, recording, and publication in pamphlet form in accordance with law.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk

CHAPTER 5 CODE OF ETHICS

SECTION:

1-5-1: Definitions

1-5-2: Fair And Equal Treatment

1-5-3: Conflict Of Interest

1-5-4: Prohibited Political Activities

1-5-5: Gift Ban

1-5-6: Representing Private Interests

1-5-7: Pecuniary Interests In Contracts

1-5-8: Applicability Of Code

1-5-9: Penalties

1-5-1: DEFINITIONS:

For purposes of this chapter, the following terms shall be given these definitions:

ABUSE: Misuse of power, authority or control. Examples include but are not limited to using one's authority to direct employees to perform non-City related work; causing employees to work overtime without compensation; or using City assets for non-City business without proper permission.

ASSET: Anything of value, whether tangible or intangible. Examples include, but are not limited to cash, tools, equipment, fuel, office supplies and time.

CAMPAIGN FOR ELECTIVE OFFICE: Any activity in furtherance of an effort to influence the selection, nomination, election, or appointment of any individual to any federal, state or local public office or office in a political organization, or the selection, nomination, or election of presidential or vice presidential electors, but does not include activities: a) relating to the support or opposition of any executive, legislative, or administrative action, b) relating to collective bargaining, or c) that are otherwise in furtherance of the person's official duties.

CANDIDATE: A person who has filed nominating papers or petitions for nomination or election to an elected office, or who has been appointed to fill a vacancy in nomination, and who remains eligible for placement on the ballot at a regular election, as defined in section 1-3 of the election code [1](#).

CITY COUNCIL: The elected officials currently holding office of the city council of the city of Carbondale, Illinois, which includes the mayor and six (6) city council members.

COLLECTIVE BARGAINING: Has the same meaning as that term is defined in section 3 of the Illinois public labor relations act [2](#) .

COMPENSATED TIME: Any time worked by or credited to the employee that counts toward any minimum work time requirement imposed as a condition of his or her employment, but for purposes of this chapter, does not include any designated holidays, vacation periods, personal time, compensatory time off or any period when the employee is on a leave of absence. With respect to officers or employees whose hours are not fixed, "compensated time" includes any period of time when the officer is on premises under the control of the employer and any other time when the officer or employee is executing his or her official duties, regardless of location.

COMPENSATORY TIME OFF: Authorized time off earned by or awarded to an employee to compensate in whole or in part for time worked in excess of the minimum work time required of that employee as a condition of his or her employment.

CONTRIBUTION: Has the same meaning as that term is defined in section 9-1.4 of the election code [3](#) .

EMPLOYEE: A person employed by the city of Carbondale, whether on a full time or part time basis or pursuant to a contract, whose duties are subject to the direction and control of an employer with regard to the material details of how the work is to be performed, but does not include an independent contractor.

EMPLOYER: The city of Carbondale.

FRAUD, WASTE AND ABUSE: Any illegal, wasteful, or improper activity involving City assets or resources. It includes theft by means of deception, deceit or trickery; willful misrepresentation to obtain something of value; and the extravagant, careless or needless expenditure or consumption of City resources, whether intentional or not.

FRAUD: Theft by means of deception, deceit or trickery. Examples include but are not limited to forging or altering a City warrant or check; charging personal expenses to the City; or claiming overtime when not worked.

GIFT: Any gratuity, discount, entertainment, hospitality, loan, forbearance, or other tangible or intangible item having monetary value including, but not limited to: cash, food and drink, and honoraria for speaking engagements related to or attributable to government employment or the official position of an officer or employee.

IMMEDIATE FAMILY: A spouse, partner, or dependent of the employee.

INTEREST: Any direct or indirect pecuniary or material benefit accruing to a person as a result of a contract or transaction which is or may be the subject of an official act or action by or with the city except for such contracts or transactions which by their terms and by the substance of their provisions confer the opportunity and right to realize the accrual of similar benefits to all other persons and/or property similarly situated. For purposes of

this chapter, a public official, officer, or employee shall be deemed to have an interest in the affairs of:

A. Any person or business entity with whom a contractual relationship exists with the public official or employee;

B. Any business entity in which the public official or employee is an officer, director, or member having a financial interest in, or employed by;

C. Any business entity in which the stock of, or legal or beneficial ownership of, in excess of five percent (5%) of the total stock or total legal and beneficial ownership, is controlled or owned directly or indirectly by the public official or employee.

LEAVE OF ABSENCE: Any period during which an employee does not receive: a) compensation for employment, b) service credit toward pension benefits, and c) health insurance benefits paid for by the employer.

OFFICER: A person who holds, by election or appointment, an office created by statute or ordinance, regardless of whether the officer is compensated for services in his/her official capacity.

POLITICAL ACTIVITY: Any activity in support of or in connection with any campaign for elective office or any political organization, but does not include activities: a) relating to the support or opposition of any executive, legislative, or administrative action, b) relating to collective bargaining, or c) that are otherwise in furtherance of the person's official duties.

POLITICAL ORGANIZATION: A party, committee, association, fund, or other organization (whether or not incorporated) that is required to file a statement of organization with the state board of elections or a county clerk under section 9-3 of the election code [4](#), but only with regard to those activities that require filing with the state board of elections or a county clerk.

POLITICAL RIGHTS: To petition, make public speeches, campaign for or against political candidates, speak out on questions of public policy, distribute political literature, make campaign contributions, and/or seek public office.

PROHIBITED POLITICAL ACTIVITY: A. Preparing for, organizing, or participating in any political meeting, political rally, political demonstration, or other political event.

B. Soliciting contributions, including, but not limited to, the purchase of, selling, distributing, or receiving payment for tickets for any political fundraiser, political meeting, or other political event.

C. Soliciting, planning the solicitation of, or preparing any document or report regarding anything of value intended as a campaign contribution.

D. Planning, conducting, or participating in a public opinion poll in connection with a campaign for elective office or on behalf of a political organization for political purposes or for or against any referendum question.

E. Surveying or gathering information from potential or actual voters in an election to determine probable vote outcome in connection with a campaign for elective office or on behalf of a political organization for political purposes or for or against any referendum question.

F. Assisting at the polls on election day on behalf of any political organization or candidate for elective office or for or against any referendum question.

G. Soliciting votes on behalf of a candidate for elective office or a political organization or for or against any referendum question or helping in an effort to get voters to the polls.

H. Initiating for circulation, preparing, circulating, reviewing, or filing any petition on behalf of a candidate for elective office or for or against any referendum question.

I. Making contributions on behalf of any candidate for elective office in that capacity or in connection with a campaign for elective office.

J. Preparing or reviewing responses to candidate questionnaires.

K. Distributing, preparing for distribution, or mailing campaign literature, campaign signs, or other campaign material on behalf of any candidate for elective office or for or against any referendum question.

L. Campaigning for any elective office or for or against any referendum question.

M. Managing or working on a campaign for elective office or for or against any referendum question.

N. Serving as a delegate, alternate, or proxy to a political party convention.

O. Participating in any recount or challenge to the outcome of any election.

PROHIBITED SOURCE: Any person or entity who:

A. Is seeking official action: 1) by the officer or 2) by an employee, or by the officer or another employee directing that employee;

B. Does business or seeks to do business: 1) with the officer or 2) with an employee, or with the officer or another employee directing that employee;

C. Conducts activities regulated: 1) by the officer or 2) by an employee, or by the officer or another employee directing that employee; or

D. Has interests that may be substantially affected by the performance or nonperformance of the official duties of the officer or employee. (Ord. 2004-38)

REASONABLE PERSON: Any person of average competence and ability to reason.

THIRD PARTY: Any person or entity other than an employee of the City or the City itself.

WASTE: The unnecessary or pointless consumption of resources, time or labor. Examples include but are not limited to using more of something when less will do; performing tasks that do not need to be performed; or maintaining excessive inventories.

Notes

- 1 1. 10 ILCS 5/1-3.
- 2 2. 5 ILCS 315/3.
- 3 1. 10 ILCS 5/9-1.4.
- 4 1. 10 ILCS 5/9-3.

1-5-2: FAIR AND EQUAL TREATMENT:

A. Interest In Appointments: Canvassing of members of the city council, directly or indirectly, in order to obtain preferential consideration in connection with any appointment to the municipal service shall disqualify the candidate for appointment except with reference to positions filled by appointment of the city council.

B. Use Of Public Property: No officer or employee shall request or permit the use of city owned vehicles, equipment, materials, or property for personal convenience or profit, except when such services are available to the public generally or are provided as municipal policy for the use of such officer or employee in the conduct of official business.

C. Obligations To Citizens: No officer or employee shall grant any special consideration, treatment, or advantage to any citizen beyond that which is available to every other citizen similarly situated.

D. Discrimination In Appointment: No person shall be appointed to or removed from, or in any way favored or discriminated against with respect to race, color, religion, sex, age, disability, marital status, familial status, sexual orientation, national origin or ancestry, or political opinions or affiliations, if otherwise qualified for the position or office. (Ord. 2004-38)

1-5-3: CONFLICT OF INTEREST:

No official, officer, or employee shall engage in any business or transaction or shall be financially interested directly in said official's, officer's, or employee's own name or indirectly in the name of another person, association, trust, or corporation, which is incompatible with the proper discharge of his/her official duties in the public interest or would tend to impair his/her independence of judgment or action in the performance of his/her official duties. (Ord. 2004-38)

1-5-4: PROHIBITED POLITICAL ACTIVITIES:

A. No officer or employee shall intentionally perform any prohibited political activity during any "compensated time", as defined herein. No officer or employee shall intentionally use any property or resources of the city of Carbondale in connection with any prohibited political activity.

B. At no time shall any officer or employee intentionally require any other officer or employee to perform any prohibited political activity: 1) as part of that officer's or employee's duties, 2) as a condition of employment, or 3) during any compensated time off (such as holidays, vacation or personal time off).

C. No officer or employee shall be required at any time to participate in any prohibited political activity in consideration for that officer or employee being awarded additional compensation or any benefit, whether in the form of a salary adjustment, bonus, compensatory time off, continued employment or otherwise, nor shall any officer or employee be awarded additional compensation or any benefit in consideration for his or her participation in any prohibited political activity.

D. Nothing in this section prohibits activities that are permissible for an officer or employee to engage in as part of his or her official duties, or activities that are undertaken by an officer or employee on a voluntary basis which are not prohibited by this chapter.

E. No person either: 1) in a position that is subject to recognized merit principles of public employment or 2) in a position the salary for which is paid in whole or in part by federal funds and that is subject to the federal standards for a merit system or personnel administration applicable to grant in aid programs, shall be denied or deprived of employment or tenure solely because he or she is a member or an officer of a political committee, or a political party, or of a political organization or club. (Ord. 2004-38)

1-5-5: GIFT BAN:

A. Prohibition: Except as provided by this chapter, no officer or employee, and no spouse of or immediate family member living with any officer or employee (collectively referred to herein as "recipients"), shall intentionally solicit or accept any gift from any "prohibited source", as defined herein, or which is otherwise prohibited by law or ordinance. No prohibited source shall intentionally offer or make a gift that violates this section.

B. Exceptions: Subsection A of this section does not apply to the following:

1. Opportunities, benefits, and services that are available on the same conditions as for the general public.

2. Anything for which the officer or employee, or his or her spouse or immediate family member, pays the fair market value.

3. Any: a) contribution that is lawfully made under the election code or b) activities associated with a fundraising event in support of a political organization or candidate.

4. Educational materials and missions.
5. Travel expenses for a meeting to discuss business.
6. A gift from a relative, meaning those people related to the individual as father, mother, son, daughter, brother, sister, uncle, aunt, great aunt, great uncle, first cousin, nephew, niece, husband, wife, grandfather, grandmother, grandson, granddaughter, father-in-law, mother-in-law, son-in-law, daughter-in-law, brother-in-law, sister-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, and including the father, mother, grandfather, or grandmother of the individual's spouse and the individual's fiancé or fiancée.
7. Anything provided by an individual on the basis of a personal friendship unless the recipient has reason to believe that, under the circumstances, the gift was provided because of the official position or employment of the recipient or his or her spouse or immediate family member and not because of the personal friendship. In determining whether a gift is provided on the basis of personal friendship, the recipient shall consider the circumstances under which the gift was offered, such as: a) the history of the relationship between the individual giving the gift and the recipient of the gift, including any previous exchange of gifts between those individuals; b) whether to the actual knowledge of the recipient the individual who gave the gift personally paid for the gift or sought a tax deduction or business reimbursement for the gift; and c) whether to the actual knowledge of the recipient the individual who gave the gift also at the same time gave the same or similar gifts to other officers or employees, or their spouses or immediate family members.
8. Food or refreshments not exceeding seventy five dollars (\$75.00) per person in value on a single calendar day; provided that the food or refreshments are: a) consumed on the premises from which they were purchased or prepared or b) catered. For the purposes of this section, "catered" means food or refreshments that are purchased ready to consume which are delivered by any means.
9. Food, refreshments, lodging, transportation, and other benefits resulting from outside business or employment activities (or outside activities that are not connected to the official duties of an officer or employee), if the benefits have not been offered or enhanced because of the official position or employment of the officer or employee, and are customarily provided to others in similar circumstances.
10. Intragovernmental and intergovernmental gifts. For the purpose of this chapter, "intragovernmental gift" means any gift given to an officer or employee from another officer or employee, and "intergovernmental gift" means any gift given to an officer or employee by an officer or employee of another governmental entity.
11. Bequests, inheritances, and other transfers at death.
12. Any item or items from any one prohibited source during any calendar year having a cumulative total value of less than one hundred dollars (\$100.00).

C. Disposition Of Gifts: An officer or employee, his or her spouse, or an immediate family member living with the officer or employee, does not violate this chapter if the recipient promptly takes reasonable action to return a gift from a prohibited source to its source or gives the gift or an amount equal to its value to an appropriate charity that is exempt from income taxation under section 501(c)(3) of the internal revenue code of 1986, as now or hereafter amended, renumbered, or succeeded. (Ord. 2004-38)

1-5-6: REPRESENTING PRIVATE INTERESTS:

No person holding any office, either by election or appointment under the laws or constitution of this state may represent, either as an agent or otherwise, any person, association, trust, or corporation, with respect to any application or bid for any contract work in regard to which such officer may be called upon to vote. Any contract made and procured in violation hereof is void. (Ord. 2004-38)

1-5-7: PECUNIARY INTERESTS IN CONTRACTS:

A. Public Officials And Officers:

1. A public official or officer shall not be financially interested, directly in the official's or officer's own name or indirectly in the name of any other person, association, trust, or corporation, in any contract, work, or business of the city or in the sale of any article whenever the expense, price, or consideration of the contract, work, business, or sale is paid either from funds of the city or by an assessment levied by statute or ordinance. A public official or officer shall not be interested, directly or indirectly, in the purchase of any property that: a) belongs to the city; b) is sold for taxes or assessments; or c) is sold by virtue of legal process at the suit of the city. For purposes of this section only, however, a public official or officer shall not be deemed interested if the official or officer is an employee of a company or owns or holds an interest of one percent (1%) or less in the public official's or officer's individual name in a company, or both, that company is involved in the transaction of business with the city, and that company's stock is traded on a nationally recognized securities market, provided the interested member: a) publicly discloses the fact that he/she is an employee or holds an interest of one percent (1%) or less in a company before deliberation of the proposed award of the contract; b) refrains from evaluating, recommending, approving, deliberating, or otherwise participating in the negotiation, approval, or both, of the contract, work, or business; c) abstains from voting on the award of the contract though he/she shall be considered present for purposes of establishing a quorum; and d) the contract is approved by a majority vote of those council members present.

2. A public official or officer shall not be deemed interested if the official or officer owns or holds an interest of one percent (1%) or less, not in the official's or officer's individual name, but through a mutual fund in a company, that company is involved in the

transaction of business with the city, and that company's stock is traded on a nationally recognized securities market.

3. This section does not prohibit any person serving on a municipal advisory panel or commission or nongoverning board or commission from having an interest in a contract, work, or business for the city unless the person's duties include evaluating, recommending, approving, or voting to recommend or approve the contract, work, or business.

B. Public Officials:

1. A public official may provide materials, merchandise, property, services, or labor, subject to the following provisions under either subsection B1a or B1b of this section if:

a. (1) The contract is with a person, firm, partnership, association, corporation, or cooperative association in which the interested public official member has less than a seven and one-half percent (7 1/2%) share in the ownership; and

(2) The interested member publicly discloses the nature and extent of the interest before or during deliberations concerning the proposed award of the contract; and

(3) The interested member abstains from voting on the award of the contract (though the member shall be considered present for the purposes of establishing a quorum); and

(4) The contract is approved by a majority vote of those council members present; and

(5) The contract is awarded after sealed bids to the lowest responsible bidder if the amount of the contract exceeds one thousand five hundred dollars (\$1,500.00) (but the contract may be awarded without bidding if the amount is less than \$1,500.00); and

(6) The award of the contract would not cause the aggregate amount of all contracts so awarded to the same person, firm, association, partnership, corporation, or cooperative association in the same fiscal year to exceed twenty five thousand dollars (\$25,000.00).

b. (1) The award of the contract is approved by a majority vote of those council members present; and

(2) The amount of the contract does not exceed two thousand dollars (\$2,000.00); and

(3) The award of the contract would not cause the aggregate amount of all contracts so awarded to the same person, firm, association, partnership, corporation, or cooperative association in the same fiscal year to exceed four thousand dollars (\$4,000.00); and

(4) The interested member publicly discloses the nature and extent of his interest before or during deliberations concerning the proposed award of the contract; and

(5) The interested member abstains from voting on the award of the contract (though the member shall be considered present for the purposes of establishing a quorum).

2. In addition to the above exceptions, any city council member may provide materials, merchandise, property, services, or labor if:

a. The contract is with a person, firm, partnership, association, corporation, or cooperative association in which the interested member of the city council has less than a one percent (1%) share in the ownership; and

b. The award of the contract is approved by a majority vote of those council members present; and

c. Such interested member publicly discloses the nature and extent of his interest before or during deliberations concerning the proposed award of the contract; and

d. Such interested member abstains from voting on the award of the contract, though he shall be considered present for the purposes of establishing a quorum.

3. A contract for the procurement of public utility services by the city with a public utility company is not barred by this section by one or more public officials being an officer or employee of the public utility company, or holding an ownership interest in no more than seven and one-half percent (7.5%) in the public utility company. A public official having an interest described in this subsection does not have a prohibited interest under this section.

4. Nothing contained in this section, including the restrictions set forth in subsections B1b(2) through B1b(4) of this section, shall preclude a contract or deposit of monies, loans, or other financial services by the city with a local bank or local savings and loan association, regardless of whether a member of the city council is interested in the bank or savings and loan association as an officer or employee or as a holder of less than seven and one-half percent (7.5%) of the total ownership interest. A member holding an interest described in this subsection B4 in a contract does not hold a prohibited interest for purposes of this chapter. The interested city council member must publicly state the nature and extent of the interest during deliberations concerning the proposed award of the contract but shall not participate in any further deliberations concerning the proposed award. The interested member shall not vote on the proposed award. A member abstaining from participation in deliberations and voting under this section may be considered present for purposes of establishing a quorum. Award of the contract shall require approval by a majority vote of those council members present. Consideration and award of a contract in which a member is interested may only be made at a regularly scheduled public meeting of the city council. (Ord. 2005-46)

5. Under either of the following circumstances, a city council member may hold a position on the board of a not for profit corporation that is interested in a contract, work, or business of the municipality.

a. If the city council member is appointed by the governing body of the municipality to represent the interests of the municipality on a not for profit corporation's board, then the city council member may actively vote on matters involving either that board or the municipality, at any time, so long as the membership on the not for profit board is not a

paid position, except that the city council member may be reimbursed by the not for profit board for expenses incurred as the result of membership on the not for profit board.

b. If the city council member is not appointed to the governing body of a not for profit corporation by the governing body of the municipality, then the city council member may continue to serve; however, the city council member shall abstain from voting on any proposition before the municipal governing body directly involving the not for profit corporation and, for those matters, shall not be counted as present for the purposes of a quorum of the municipal governing body. (Ord. 2012-17)

C. Employees:

1. Employees other than public officials or officers, who have a substantial interest, direct or indirect, or by the reason of ownership of stock in any corporation, in any contract with the city, or in the sale of land, materials, supplies, or services to the city, or to a contractor supplying the city, shall make known that interest prior to the time any binding agreement is entered into between the individual or entity in which the employee has such interest and the city. Any such employee of the city who wilfully conceals such a substantial financial interest or wilfully violates the requirements of this section shall be guilty of malfeasance in office or position and shall forfeit his office or position. Violation of this section with the knowledge expressed or implied of the person or corporation contracting with or making the sale to the city shall render the contract or sale voidable by either the city manager or the city council.

2. For the purpose of this subsection C, an employee is imputed to have a substantial financial interest in a corporation in which he or his spouse, son, daughter, brother, sister, father, or mother owns five percent (5%) or more of the outstanding stock of any corporation. Further, any employee is imputed to have a substantial financial interest in the sale of any land, materials, supplies, or services to the city if said employee, his spouse, son, daughter, brother, sister, father, or mother has any ownership in the land, legal or equitable, or in the business entity which is selling the land, materials, supplies, or services to the city, in excess of five percent (5%).

D. Disclosure Of Interest: Any public official, officer or employee who holds an interest as described in this section shall disclose the existence of such interest in a written, sworn statement filed with the city manager on or before April 1 of each year. (Ord. 2005-46)

1-5-8: REPORTING:

Employees are expected to report all violations or suspected violations of this policy to management in a timely and professional manner. The City recognizes that the reporting party may desire or require anonymity. Thus, anonymous reports or concerns may be reported by any party to the City Manager or the City Attorney. It is the duty of every employee to report any known violation of this policy or what would appear to a reasonable person to be a violation of this policy. Employees are reminded that they may report anonymously any actions that detract from the efficiency and effectiveness of City

operations include, but not limited to, fraud, waste, abuse, ethics violations, retaliation, discrimination and safety violations. It is a violation of this policy to retaliate against an employee who makes a report anonymously under Illinois Labor Code. The Illinois State Attorney General's Whistleblower Hotline number is (888) 814-4646.

1-5-9: INVESTIGATION AND ENFORCEMENT.

- A. All violations or alleged violations of this policy will be investigated. As stated above, it is the duty of every employee to cooperate in an investigation involving a violation or an alleged violation of this policy. Upon the request of the City, an employee will participate and fully cooperate in any investigation, whether conducted by the City or its agent(s). If as a result of good faith investigation and a resultant reasonable conclusion that a violation of this policy has occurred, the offending employee may be subject to disciplinary action up to and including termination.
- B. Duty to Cooperate. It is the duty of every employee to cooperate in an investigation involving a violation or an alleged violation of this policy. Upon the City's request, an employee will participate and fully cooperate in any investigation. This policy does not preclude an employee from exercising his or her Constitutional rights or those afforded to him or her by a City recognized labor contract. However, the exercising of one's rights does not preclude City from disciplining an employee for his or her failure to participate or cooperate in an investigation if the City may lawfully do so.
- C. Handling of Anonymous Complaints or Allegations of Violations of this Policy. Employees are prohibited from attempting to identify or intentionally exposing the identity of any party making an anonymous report or complaint pursuant to this policy.

1-5-810: APPLICABILITY OF CODE:

A public official, officer, or employee shall seek a legal opinion from the city attorney for the interpretation and/or implementation of the provisions of this chapter, except for interpretation and/or implementation of section 1-5-4 or 1-5-5 of this chapter. (Ord. 2004-38)

1-5-911: PENALTIES:

- A. A person who intentionally violates any provision of section 1-5-4 of this chapter may be punished by a term of incarceration in a penal institution other than a penitentiary for a period of not more than three hundred sixty four (364) days, and may be fined in an amount not to exceed two thousand five hundred dollars (\$2,500.00).
- B. A person who intentionally violates any provision of section 1-5-5 of this chapter is subject to a fine in an amount of not less than one thousand one dollars (\$1,001.00) and not more than five thousand dollars (\$5,000.00).

C. Any person who intentionally makes a false report alleging a violation of any provision of section 1-5-4 or 1-5-5 of this chapter to the local enforcement authorities, the state's attorney, or any other law enforcement official may be punished by a term of incarceration in a penal institution other than a penitentiary for a period of not more than three hundred sixty four (364) days, and may be fined in an amount not to exceed two thousand five hundred dollars (\$2,500.00).

D. A violation of section 1-5-4 of this chapter shall be prosecuted as a criminal offense by an attorney for the city of Carbondale by filing in the circuit court an information, or sworn complaint, charging such offense. The prosecution shall be under and conform to the rules of criminal procedure. Conviction shall require the establishment of the guilt of the defendant beyond a reasonable doubt. A violation of section 1-5-5 of this chapter may be prosecuted as a quasi-criminal offense by an attorney for the city of Carbondale.

E. In addition to any other penalty that may be applicable, whether criminal or civil, an officer, official, or employee who intentionally violates any provision of section 1-5-4 or 1-5-5 of this chapter is subject to discipline or discharge.

F. A public official or officer who is convicted of violating any provision of this chapter shall forfeit his/her office immediately. (Ord. 2004-38)

Packet Contents-Varsity Center Renovation Presentation

1. Letter to Mayor and Members of Carbondale City Council
2. Big Room 365 Letter
3. Dick Gregory Article 2009
4. Dick Gregory Article 2017
5. Chancellor Lane SIU Letter of Support
6. Fundraising Campaign Schedule
7. Varsity Center Fundraising Budget

Dear Mayor Harvey and members of the Carbondale City Council:

For more than twenty years, many individuals in the Carbondale community have worked to restore the grandeur and beauty of the Varsity Theater, one of Carbondale's more historic landmarks. While much has been accomplished, full restoration has remained beyond our reach.

The management and board of the Varsity have called upon former SIU President Glenn Poshard and local entrepreneur Peter Gregory to co-chair a fundraising and redevelopment campaign to help us finally achieve our goal. This campaign has the enthusiastic and complete support of SIU and Chancellor Lane. Meetings have already taken place and vital partnerships established with at least three colleges of the university. Internships in the areas of theater, music, sound engineering, graphic design, and marketing are areas of collaboration between SIU and the Varsity which are already being explored. These internships, along with the live theater productions that will now be possible with the renovation of the 500 seat theater, will enhance SIU recruitment and draw thousands of visitors to Carbondale as the Varsity becomes a dynamic part of Carbondale's new entertainment district, benefitting the business, artistic and educational communities.

But there is another, perhaps a more important reason, for bringing this Varsity redevelopment project to fruition. A young SIU student, who would become one of America's greatest comedians and civil rights leaders, Dick Gregory, led marches in protest of the segregated theater in 1953 when minorities were only allowed to sit in the balcony. Through courage and persistence, he won and the theater was integrated. It was his first civil rights battle and victory, but alongside Dr. King, John Lewis, and other Civil Rights leaders, he achieved victories across America. That's why the Varsity is special and must be restored and preserved and honored as a historic landmark. And that is why the city of Carbondale must be a full partner and participant in this venture. Because this history is ours. It belongs to no other city in this state.

This is a win-win for our city, our university and our students, our businesses, and our cultural and artistic community. We can't wait another twenty years to finish the job. We are asking the city to be a full partner. We are enclosing for your perusal a budget which we believe represents a sound investment in our future. Dr. Poshard will be acting as our spokesperson when he brings this matter before the City Council at the next meeting. We appreciate your kind consideration.

With the deepest respect for your service to our city.

Billy Robbins, President of Varsity Center Board

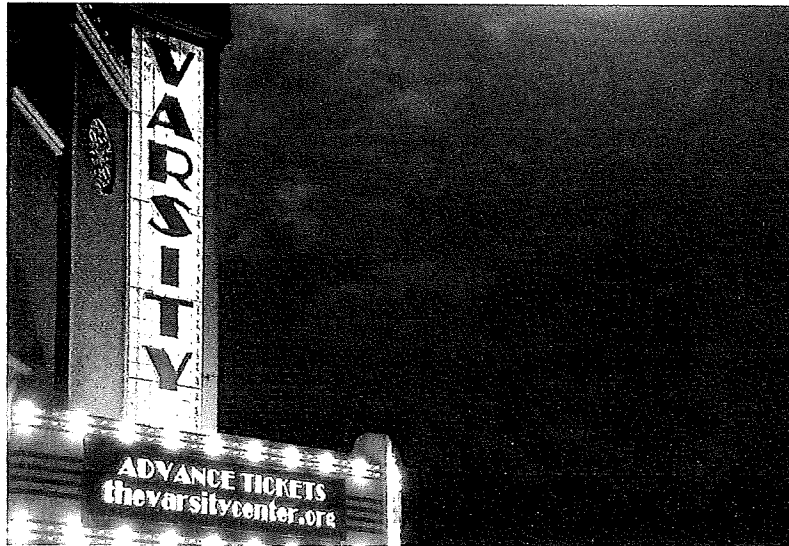
Glenn Poshard, Campaign Co-Chair

The Varsity Center Big Room 365 Project Phase I Fundraising Campaign

Our Mission

For more than 82 years, the Varsity marquee and tower light have been a beacon at the heart of the downtown Carbondale experience. The flashing marquee lights have always signaled to all that something special is happening, and people have responded with their patronage and enjoyment of the venue's programming.

Drawing on that history, the Varsity's primary mission is to honor the community's commitment to culture and creativity, giving the citizens of Carbondale and its neighboring communities access to the broadest possible spectrum of performing arts and community activities. We are a resource for artistic and cultural expression, as well as civic, community and educational groups that serve and engage the people of the region.

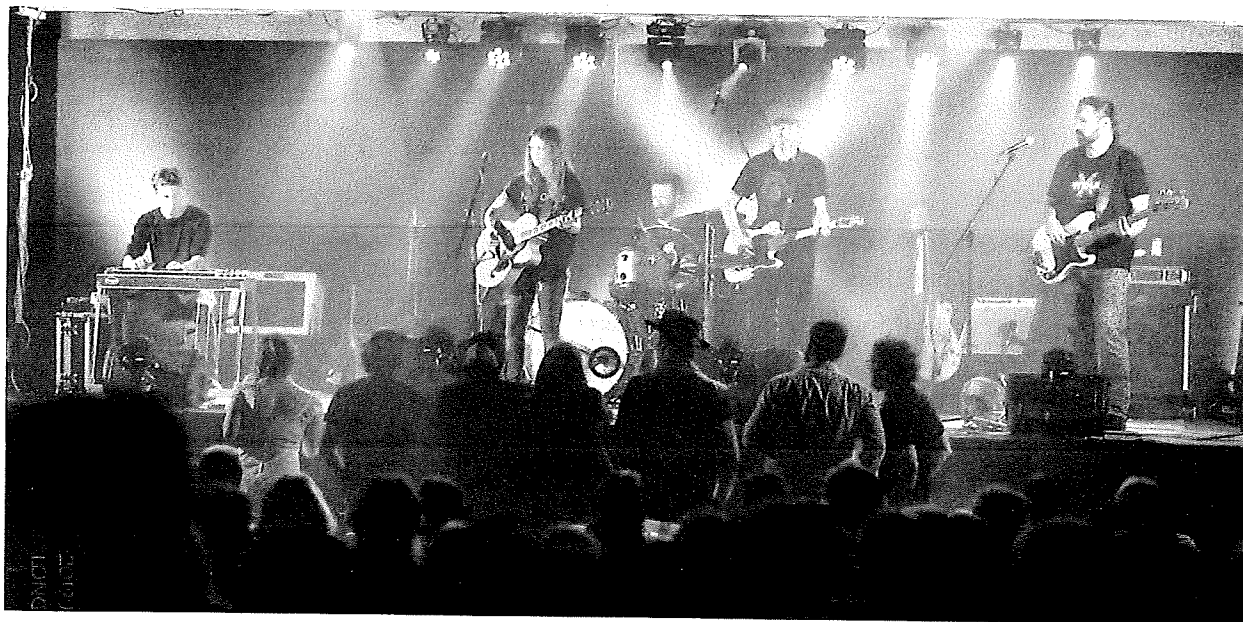


Objective

The Varsity seeks funding to accelerate our development as a fully operational performance space and bring our third and largest space into year-round use and operation. This would further enhance our draw as an art and culture venue and magnify our impact as an economic driver in Carbondale.

The project would include installation of modern, three-phase electrical service, installation of HVAC and environmental safeguards and permanent, professional-grade sound and lighting equipment for live performance, presentation and exhibition.

A fully available space, seating 500, will enable us to continue to expand our varietal programming, dramatically increase the frequency of larger events, and strengthen our sustainability, all the while driving more activity and increasing visitors to Carbondale.



A Boost for Business

While downtown has a few small, unique restaurants and bars, with a mix of retail, office and residential units, the Varsity can and will provide the means to grow the base to support more businesses, bring life to the area, and increase spending in the city.

The Varsity's typical show times encourage pre- and post-show dining and other experiences. Greater opportunity will be found for new and existing establishments to serve increased and more predictable crowd numbers. Established businesses could expand their footprints, their operations, hours and offerings to accommodate these returning and new visitors.

We have letters of support from businesses in the downtown corridor testifying to our positive impact: When the Varsity is open for events, their business revenues and patron visits increase at least double and sometimes triple their averages.

Making a Difference in Our Community

Improving the quality of life across the community through arts, culture, and entertainment is a paramount part of the Varsity mission. In addition to the impact the arts has on the improvement of economic conditions in Carbondale, the Varsity Center is equally driven to serve as many segments of our community population as possible.

We are committed to varietal programming, and enabling vital access and participation of artists, producers and audiences from all walks of life. The sizes of our performance and event spaces offer ideal opportunities for the development of artists early in their crafts, and those who might be unable to afford or perhaps not be invited to participate at other venues. The Varsity spaces offer a chance to grow with the artists. The Varsity Center is truly a place for all people to come together for the shared enjoyment of artistry.



July 2009 The Southern Illinoisan

Dick Gregory to be inducted in Varsity Center for the Arts Hall of Fame

CARBONDALE - The man famous for integrating Carbondale's Varsity theater is receiving a high honor from those working to restore the building as an artistic and cultural center for the community.

Dick Gregory, comedian, activist and Southern Illinois University Carbondale alumnus, has been announced as the first Hall of Fame inductee for the Varsity Center for the Arts. The 76-year-old author and performer will be honored at a ceremony and reception October 8 at the center. A painting of Gregory by artist and SIUC faculty member Najjar Abdul-Musawwir will be permanently installed inside the center. The induction is a collaborative effort of VCA, Gregory's wife, Lillian, college roommate and Carbondale resident Harvey Welch and other members of the community.

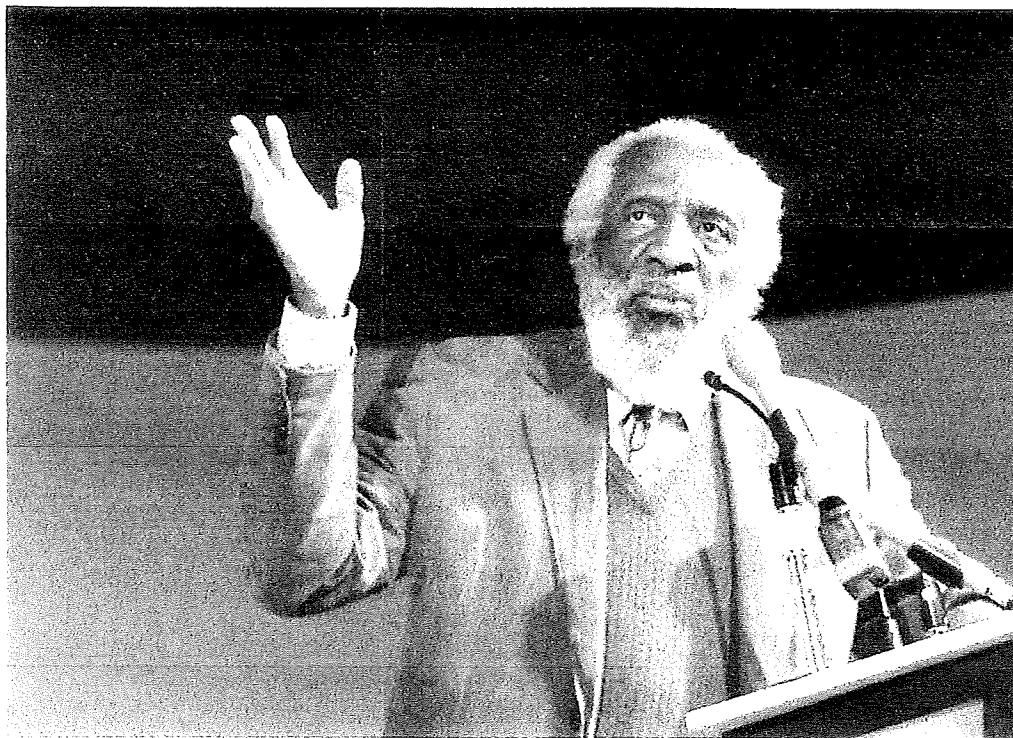
Representatives with the Varsity made the announcement at a Friday morning press conference at the center in Carbondale.

"The VCA is especially pleased that Dr. Gregory accepted this invitation because of his special role in the 1950s in racially integrating the original Varsity movie theater....," a statement from Varsity representatives read. "Now the Carbondale community is coming together to honor Dr. Gregory's very important historical contribution to the Varsity and to support the restoration...for use by diverse members of this community and region."

Gregory first came to Carbondale in the early 1950s to run on the SIUC track and field team. He excelled at the sport, being named the school's Outstanding Athlete of 1953, and gained popularity in the community. He used that popularity to bring attention to race inequities at the university and in Carbondale at the time.

One his most famous achievements was integrating the Varsity theater. Before Gregory made a stand on the issue, blacks were only allowed to sit in the balcony area.

Gregory's comedic career was part of a generation of African-American comedians that included Bill Cosby, Nipsey Russell and Godfrey Cambridge.



Nov. 2017 The Southern Illinoisan

Dick Gregory biographer visits Center Center, where Gregory protested racial segregation

CARBONDALE — In the fall of 1953, Dick Gregory performed a radical act: he took a seat in the lower portion of the segregated Varsity Theatre.

Gregory, a pioneering comedian and civil rights activist, attended Southern Illinois University in Carbondale on a track scholarship from 1952 to 1956. He passed away this past August.

Now called The Varsity Center, the historic movie house was significant to Gregory during his time at SIU, according to academic historian Edward Schmitt.

“Being in Carbondale was really the first time he lived, worked among, competed with white people as the majority, which is what the white society obviously was. Where he grew up in St. Louis was an all-black neighborhood because it was de facto segregated. ... I think the theater was a safe place, it was an escape,” he said.

Schmitt, an associate professor of history at University of Wisconsin-Parkside, has been working on a major biography of Gregory for the past five years and visited Carbondale on a research trip this week.

Gregory was a regular audience member at The Varsity, Schmitt said. In the spring of 1953, it was where Leland "Doc" Lingle, the legendary SIU track coach, found Gregory to inform him of his mother's death.

"The fact that a tragic moment in his life occurred or he found out about it here, was a turning point, because his father really wasn't present in his life, so he was kind of without a parent after that," Schmitt said.

Months later, Gregory forced the integration of seating at the theater. Before he took a stand on the issue, people of color were required to sit in the balcony.

"He was very popular as a student and just as a person, so it wasn't just African-Americans. there were white students who rallied to it too, and it made change," Schmitt said.

Schmitt spent two full days with Gregory in September 2016, recording seven hours of interviews.

"His mind was so electric. He could pull things out and move from one episode to another, and it was just kind of fun to be along for a ride with it," Schmitt said.

Schmitt met up with Gregory a few times after that initial interview, and in August, two days before Gregory was hospitalized, the pair spent an afternoon together.

"I actually think I might have been the last one to interview him, so I still am kind of blown away by that — just the opportunity. But he was still sharp. He was tired, but still had stories to share," Schmitt said.

During his visit to The Varsity on Friday, Schmitt said he was struck by the size of The Varsity's now-defunct lower auditorium, where Gregory took a stand for equality.

“That’s what I was hoping for, just to be in the space and to get that sense of how it took some courage to do that,” Schmitt said.

Schmitt hopes to complete his manuscript by the first anniversary of Gregory’s death this summer.

June 26, 2023

The Honorable Glenn Poshard
c/o The Varsity Center
418 South Illinois Ave.
Carbondale, IL 62901

Dear Glenn:

On behalf of Southern Illinois University Carbondale, I am delighted to provide a letter of support for The Varsity Center's fundraising and redevelopment project that will have a profoundly positive impact on the citizens of Carbondale, our campus community and the southern Illinois region at large.

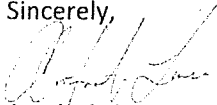
The historic Varsity Theater holds a special place in the hearts and minds of our university and the region it has served for more than eight decades. Generations of towns people and students have attended movies, shows and events at the Varsity Theater, a place that in 1953 was the first site of and the accelerator for integration in Carbondale through the courageous actions of SIU student Dick Gregory. Gregory would go on to commit himself fully to the Civil Rights Movement while remaining a proud member of Saluki Nation that supported his efforts for achieving equality.

With a rich history and a legacy of providing cultural, creative and entertainment opportunities for the region, SIU Carbondale joins the City of Carbondale and many others in assuring the vision of a fully restored Varsity Theater can be realized. By helping to achieve the last phase of this redevelopment, which would open the 500-seat venue space, we will collectively help Carbondale revitalize its historic downtown corridor that will also have an immediate, positive impact on the economic vitality of local restaurants and businesses.

SIU Carbondale is proud to support The Varsity Center and we are proud to have its marquee and tower lights brighten our town. With the addition of the city's multimodal station across the street and other exciting redevelopments in progress near the Varsity Center, Carbondale will remain an outstanding town for its more than 11,000 students who choose to study here each year as well as the thousands of alumni who return to campus each year.

Thank you for your work to help The Varsity Center realize its full potential.

Sincerely,



Austin A. Lane
Chancellor

Varsity Center Fundraising Campaign

Mission: To raise \$300,000 by September 30, 2023, in support of Varsity Theater renovations.

Goal 1: By June 30, develop complete list of potential donors with contact information

Objective 1. By June 1, access donor lists of Carbondale Community Arts

Objective 2. By June 15, access donor lists of Varsity Center.

Objective 3. By June 30, add additional potential donors and complete lists

Goal 2: By June 30, complete meetings with SIU and City of Carbondale officials for purposes of enlisting support.

Objective 1. By June 15, establish dates for office visits with Mayor and Chancellor.

Objective 2. By June 26, complete visits with the Mayor and Chancellor.

Goal 3: By September 1, complete calls and follow-up meetings with all potential donors.

Objective 1. By June 21, complete 15 min. project presentation for use with potential donors.

Objective 2. By June 30, complete all contact information on donor list.

Goal 4: By June 30, complete call and follow-up meeting with Dr. Ted Van Acker.

Objective 1. Obtain contact information by June 20.

Objective 2. Schedule meeting by June 25.

Objective 3. Hold meeting by June 30.

Goal 5. By September 15, 100% of call list will have been contacted by phone, zoom, or in-person meeting.

Objective 1. By June 25, prioritize call list for contact.

Objective 2. By July 8, 25% of call list will have been contacted.

Objective 3. By July 31, 50% of call list will have been contacted.

Objective 4. By August 15, 75% of contacts will be completed.

Objective 5. By September 15, 100% of contacts will be completed.

Goal 6. By July 15, state and federal legislators will be contacted for possible assistance.

Objective 1. By June 24, a prioritized list of legislators; Durbin,

Duckworth, Will Davis, as well as other SIU alumni
Objective 2. By July 12, each legislator will be contacted for a personal visit and presentation

Goal 7. By July 15, contact area electrical, carpenters, and laborers unions for discussion of their potential assistance.

Objective 1. By June 30, complete contact information on area unions which have a vested interest in improving enrollment at SIU.

Objective 2. By July 5, set up meetings with each union.

Objective 3. By July 15, hold meetings and solicit support.

Goal 8. By September 1, contact at least 25 businesses in the Carbondale area that have a vested interest in seeing Carbondale and SIU grow.

Objective 1. By July 20, develop a list of businesses that could potentially assist in contributing funds.

Objective 2. By July 31, complete contact information on businesses.

Objective 3. By August 15, set up meetings with prospective businesses.

Objective 4. By September 1, meet with all prospective businesses.

Varsity Center Renovation Budget

Completion of utility upgrades	50,000
Environmental /HVAC	216,000
Production Sound and Lighting	70,000
Marquis Rood Replacement	12,000
Expanded Hospitality Capacity	100,000
Internships	75,000
Additional Staff-1year	50,000

Total Renovation Costs	573,000
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Grants Received (must be committed by 9-30	150,000
Donations Committed	100,000

Total Raised	250,000
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Request from City	323,000
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Payment Schedule if approved: Oct. 31-Jan. 31-Apr. 30-Jul. 31, \$80,750 each three month period

RESOLUTION NO. 2023-R-_____

A RESOLUTION APPROVING THE USE OF AMERICAN RESCUE PLAN ACT FUNDS TO GRANT \$225,000 TO THE VARSITY CENTER FOR THE ARRTS FOR THEIR 500 SEAT THEATER RESTORATION PROJECT

WHEREAS, the City of Carbondale, Illinois, is a home rule unit of local government under the Illinois Constitution, 1970, Article VII, Section 6; and

WHEREAS, pursuant to Article VII, Section 6(a) of the Illinois Constitution, 1970, the City of Carbondale may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to regulate for the protection of the public, health, safety, morals and welfare; and

WHEREAS, the City of Carbondale has a rich history of providing music, arts, and other entertainment to residents throughout the community and region; and

WHEREAS, the Varsity Center of the Arts was founded in 2010 with a mission to enhance cultural opportunities for the citizens of Carbondale and the southern Illinois region; and

WHEREAS, the Varsity Center has two operating theaters and is seeking funding to make the necessary improvements to make their largest 500 seat theater operational; and

WHEREAS, the Varsity Center has requested that the City Council provide funding to supplement their current fundraising for the project; and

WHEREAS, the City Council finds that it's in the best interest of the City of Carbondale to provide grant funds in the amount of \$225,000 (two hundred twenty-five thousand and no/100 dollars) to the Varsity Center for the Arts to assist with their 500 seat theater restoration project.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CARBONDALE, ILLINOIS, AS FOLLOWS:

SECTION 1. That the City Council of the City of Carbondale hereby finds it in the best interest of the residents of Carbondale to utilize American Rescue Plan Act funds to grant \$225,000 to the Varsity Center for the Arts.

SECTION 2. That the City Manager of the City of Carbondale is hereby authorized to and shall take any and all reasonable, necessary and proper action to carry out the intent and purposes of this Resolution to include preparing a contract for execution that enumerates terms for this grant award.

SECTION 3. That this Resolution be spread at length upon the minute records of the City Council of the City of Carbondale, Illinois.

This Resolution adopted at a regular meeting of the City Council of the City of Carbondale, Illinois, on the 22nd day of August, 2023.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk



MINUTES

Carbondale Planning Commission
Wednesday, August 2nd 2023
Room 108, 6:00 p.m.
City Hall/Civic Center

Ms. Litecky called the meeting to order at 6:00 p.m.

Members Present: Litecky, Sheffer, Hamilton, Lilly, Carrier, Weiss, Doherty (ex-officio)

Members Absent: Allee, Love

Staff Present: Lenzini, Maxwell

1. Approval of Minutes:

Ms. Litecky asked for a motion to approve the June 7th, 2023 minutes. Ms. Lilly moved to approve the minutes of June 7th, 2023, seconded by Mr. Weiss. There was a unanimous voice vote to approve the minutes.

2. Citizen Comments or Questions

There were none.

3. Report of Officers, Committees, Communications

There were none.

4. Public Hearings

PC 24-03: The City of Carbondale has proposed a text amendment to Title 15 of the Carbondale Revised Code relative to public art and the size, placement, and lighting of signs.

Ms. Litecky declared Public Hearing PC 24-03 open and asked for Ms. Maxwell to review PC 24-03.

Ms. Litecky asked Ms. Maxwell to read the staff report. Ms. Maxwell read Part A and Section 1 of the staff report.

Ms. Litecky asked if the Commissioners had questions for staff

Mr. Carrier asked to expand the definition of a mural to include works of art created by more means than just painting. Ms. Maxwell stated that the definition could be expanded to include other means of creating a mural and asked Mr. Carrier if he could provide an example. Mr. Carrier spoke about bringing 3D aspects into murals by means of layering or using three dimensional materials to create depth and detail. Mr. Carrier stated he believes that a mural should be defined more so on artistic intent than the material used to create the mural.

Mr. Weiss asked Mr. Carrier who he thinks would be excluded under the current proposed definition of a mural. Mr. Carrier stated that he himself has considered applying for grants to create a mural but under the current proposed definition, his ideas would not be permitted.

Ms. Litecky asked if a ceramic mosaic mural is what Mr. Carrier is concerned about not being expressly permitted under the proposed definition. Mr. Carrier stated that a ceramic mosaic is the perfect example of what he is concerned of not being permitted under the proposed definition.

Mr. Carrier asked how other public art was defined in the Carbondale Revised Code. Ms. Maxwell stated that currently there are no definitions for public art in the code.

Mr. Carrier asked how a metal sculpture such as those on the grounds of SIU would be considered by the code if erected on the side of a building. Mr. Doherty answered, stating that he believed it would be considered part of the architectural structure of the building. There was a discussion about whether the sculpture would be considered part of the building or art.

Mr. Weiss asked why the City would care about artwork under the proposed ordinance. Ms. Maxwell explained that as the sign code is currently written, murals would be considered a sign and are greatly restricted in their size and placement.

Mr. Lenzini asked if this could be settled by replacing the word “painting” with “affixed”, “created”, or “attached” to address the varying types of media that could be used on the side of a building to create a mural. Mr. Carrier stated that yes, expanding the definition to include murals created by means other than painting would be agreeable.

Mr. Sheffer stated he would like to avoid the City trying to differentiate between an artistic sign and an advertisement sign.

Mr. Weiss asked if business owners could request a variance for murals. Mr. Lenzini explained that part of a variance request is the ability to show hardship and he doesn't believe that it would be viable to ask business owners to request a variance.

Dr. Hamilton asked what the approval process for a mural would be at the City level. Ms. Maxwell stated that the business would apply for a sign permit, the mural would not be regulated by content. Ms. Maxwell explained that under the current City Code, a mural is

considered an architectural sign and are limited greatly in their size. Ms. Maxwell used the new mural at the Erma Hayes Center as an example of a mural that is technically not permitted under the current Code's standards.

There was a discussion about businesses abusing the amended sign code and using their exterior walls for advertisement or billboard purposes.

Ms. Litecky asked if there could be stipulations added that disallow business names being included in a mural. Ms. Maxwell stated that then the mural would be regulated on content, which could allow legal issues to arise.

Mr. Carrier asked if there were any examples of code that address public art. Ms. Maxwell stated that the Title 15 of the Carbondale Revised Code does not. Ms. Maxwell stated that some of the examples she found do have an exception for public art. Ms. Maxwell explained that according to the recent Supreme Court cases she provided as examples, that would be considered regulating based on content, which is not legal according to the outcome of the cases.

Ms. Litecky asked if the applicant was present and wished to speak.

City staff was present and willing to answer any questions.

Ms. Litecky asked if there were any questions for the applicant.

There were none.

Ms. Litecky asked if anyone wished to speak in favor.

There were none.

Ms. Litecky asked if anyone wished to speak in opposition.

There were none.

Ms. Litecky asked Ms. Maxwell to read the analysis.

Ms. Maxwell read the analysis for Section 1 of the staff report for PC 24-03

Ms. Litecky asked Ms. Maxwell to read Section 2 of the staff report.

Ms. Maxwell read Section 2 of the staff report for PC 24-03.

Ms. Litecky asked if the Commissioners had questions for staff.

Mr. Doherty asked what the height limitations would be for a sign attached to the roof or façade of a building. Ms. Maxwell stated that currently there were none suggested aside

from the current height restrictions outlined in the architectural sign code.

Mr. Doherty asked if a business could make a supporting structure to affix the sign to well above the building. Ms. Maxwell stated that she supposes they could, but it would be limited to 25' in height in the Downtown District, and 32' in height in all other districts, as written in the architectural sign code.

Mr. Doherty asked if there would be any limitations as to how high a structure can be and still affix their sign to the roof, using two-story buildings as an example. Ms. Maxwell stated that how the amendment is currently proposed, no, but it could be considered.

Ms. Litecky asked if the applicant would like to make a statement.

City staff was present and did not wish to make a statement.

Ms. Litecky asked if anyone would like to speak in favor.

There were none.

Ms. Litecky asked if anyone would like to speak in opposition.

There were none.

Ms. Litecky asked Ms. Maxwell to read the analysis of Section 2.

Ms. Maxwell read the analysis for Section 2 of PC 24-03.

Ms. Litecky asked if the commissioners had questions for staff.

There were none.

Ms. Litecky asked if there were questions from anyone to anyone.

Mr. Carrier asked if Wazo's Big Chill, formerly a Dairy Queen franchisee, could erect a new sign as was previously there under the proposed code amendment. Ms. Maxwell confirmed. Mr. Lenzini stated that through conversations with the business owner, the replacement sign will adhere to size restrictions.

Ms. Marjorie Sawicki stepped forward and asked if a neon sign is considered a flashing sign. Ms. Maxwell stated that neon would not be considered a flashing sign unless it was actually flashing.

Mr. Carrier asked how the City determines the lumens and wattage of flashing lights in signs and how it applies to electronic message boards. Ms. Maxwell stated that in an ideal world, businesses come to the City for their sign permit with this information included in their spec sheets. Ms. Maxwell stated that currently lumens and wattage are not restricted

on electronic message boards.

Mr. Carrier asked if there had been any requests for flashing signs. Ms. Maxwell replied that Wazo's Big Chill has proposed a sign that flashes.

Ms. Litecky asked Ms. Maxwell to read Part C of PC 24-03.

Ms. Maxwell read Part C of the staff report for PC 24-03, with a recommendation of approval.

Ms. Litecky declared PC 24-03 closed and asked for a motion on the findings of facts.

Mr. Sheffer moved that the Commission accept as findings of fact Section 1 and 2 of the staff report for PC 24-03, the applicant was present, none spoke in favor, none spoke in opposition, and there were no letters of opposition or support read, seconded by Ms. Lilly.

The motion was passed with a unanimous voice vote.

Ms. Litecky asked for a motion on the recommendation to City Council.

Mr. Sheffer moved to recommend City Council to approve PC 24-03, seconded by Mr. Weiss.

Mr. Carrier requested that the motion be altered to include a stipulation that the definition of a mural be expanded upon in the text amendment.

Mr. Sheffer withdrew the motion and Mr. Weiss withdrew his second.

Ms. Litecky asked for a motion on the recommendation to City Council.

Mr. Sheffer moved to recommend City Council to approve PC 24-03 with the stipulation that the definition of mural be expanded upon by City Staff, seconded by Mr. Carrier.

Roll Call Vote:

Yes – 6 (Weiss, Carrier, Lilly, Hamilton, Sheffer, Litecky)

No – 0

The vote was unanimous.

Ms. Maxwell stated that the item will move forward with recommendation for approval of PC 24-03 for the August 8th City Council meeting.

PC 24-04: The City of Carbondale has proposed a map amendment to designate certain Planned Business, BPL, District, and Secondary Business, SB, District properties in the Retail Revitalization Overlay District.

Ms. Litecky declared Public Hearing PC 24-04 open and asked for Ms. Maxwell to read the staff report for PC 24-04. Ms. Maxwell read Parts A & B of the staff report for PC 24-04.

Ms. Litecky asked if the Commissioners had questions of staff.

There were none.

Ms. Litecky asked if the applicant was present and would like to speak.

City staff was present and willing to answer any questions.

Ms. Litecky asked if anyone wished to speak in favor.

There were none.

Ms. Litecky asked if anyone wished to speak in opposition.

There were none.

Ms. Litecky asked Ms. Maxwell to read Part C of the staff report.

Ms. Maxwell read Part C of the staff report with a recommendation of approval.

Ms. Litecky asked the Commissioners if they had questions of staff.

There were none.

Ms. Litecky asked if there were questions from anyone to anyone.

Pheral Lamb stepped forward and asked if it were possible for other incentives to be added to the proposal after the commission has voted on it. Ms. Maxwell confirmed that it was possible.

Mr. Doherty asked if property owners could request an overlay for their property. Ms. Maxwell confirmed and stated that it would be the same process as a traditional rezoning application.

Ms. Sawicki stepped forward and asked what the intent of the overlay district was. Ms. Maxwell explained that the intent is to take away some restrictions that currently exist for what businesses are viable under the area's current zoning.

Ms. Litecky declared PC 24-04 closed and asked for a motion of the findings of fact.

Mr. Sheffer moved that the Commission accept as findings of fact Part A & B of the staff

report for PC 24-04, the applicant was present, none spoke in favor, none spoke in opposition, and there were no letters of opposition or support read, seconded by Mr. Weiss.

The motion was passed with a unanimous voice vote.

Ms. Litecky asked for a motion on the recommendation to City Council.

Mr. Sheffer moved to recommend that City Council approve PC 24-04, seconded by Mr. Weiss.

Roll Call Vote:

Yes – 6 (Weiss, Carrier, Lilly, Hamilton, Sheffer, Litecky)

No – 0

The motion was unanimous.

Mr. Lenzini stated that the item will move forward with recommendation for approval of PC 24-04 for the August 22nd City Council meeting.

5. Old Business

There was none.

6. New Business

There was none.

7. Adjournment

Ms. Lilly moved to adjourn the meeting, seconded by Mr. Weiss.

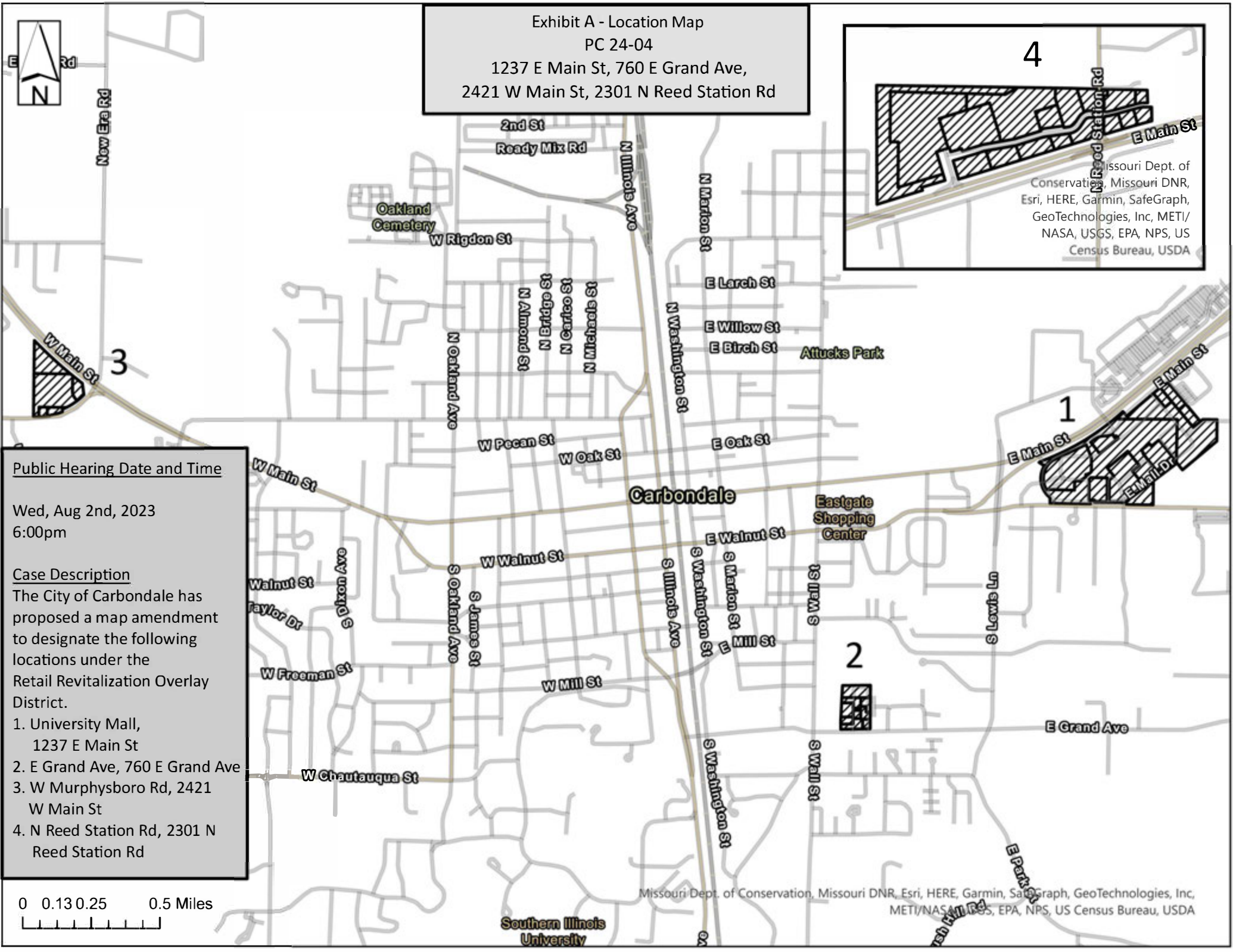
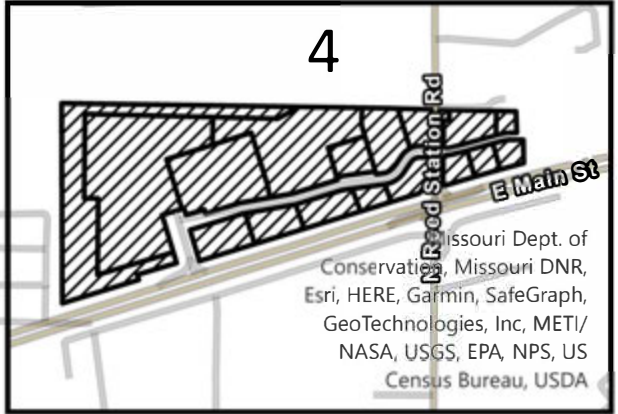


Exhibit A - Location Map
PC 24-04
1237 E Main St, 760 E Grand Ave,
2421 W Main St, 2301 N Reed Station Rd



Public Hearing Date and Time

Wed, Aug 2nd, 2023
6:00pm

Case Description

The City of Carbondale has proposed a map amendment to designate the following locations under the Retail Revitalization Overlay District.

1. University Mall,
1237 E Main St
2. E Grand Ave, 760 E Grand Ave
3. W Murphysboro Rd, 2421 W Main St
4. N Reed Station Rd, 2301 N Reed Station Rd

0 0.13 0.25 0.5 Miles

Missouri Dept. of Conservation, Missouri DNR, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA



Community Development

200 South Illinois Avenue

Carbondale, Illinois 62901

Telephone 618-457-3248

Fax 618-457-3289

www.explorecarbndale.com

M-E-M-O-R-A-N-D-U-M

TO: City of Carbondale Planning Commission

FROM: Molly Maxwell, Senior Planner

RE: PC 24-04, The City of Carbondale has proposed a map amendment to designate four BPL, Planned Business, and SB, Secondary Business, District properties in the Retail Revitalization Overlay District

DATE: July 31st, 2023

(Planning Commission Public Hearing on August 2nd, 2023, at 6:00 p.m.)

PART A. GENERAL INFORMATION

1. Applicant:
City of Carbondale
200 South Illinois Ave.
Carbondale, IL 62901

Landowner:
Various
2. Requested Action and Background:

At their March 28th, 2023 meeting, the City Council approved a Text Amendment to Title 15 of the Carbondale Revised Code that defined and outlined the Retail Revitalization Overlay, RO, District. At their July 11th, 2023 meeting, they passed a resolution initiating a map amendment to designate four commercially-zoned areas under the RO District. These four areas are:

1. University Mall, 1237 East Main Street
2. East Grand Avenue BPL District, 760 East Grand Avenue
3. West Murphysboro Road / West Main Street BPL and SB District, 2421 West Main Street
4. North Reed Station Road / Reed Station Parkway BPL and SB District, 2301 North Reed Station Road and surrounding

Land under the RO District will remain zoned is current base district (BPL, Planned Business, and SB, Secondary Business, District), but the overlay gives more flexibility in land uses, parcel sizes, and parking standards. The intent is to encourage denser development and a larger variety of businesses able to operate in these locations. (Please refer to Exhibit A - Location Map).

3. Number of Notices Sent to Owners within 250 feet: Notices were sent to 104 property owners within 250 feet of the subject properties.
4. Existing Zoning: The majority of the subject properties are, and will remain, BPL, Planned Business, District. One parcel at the West Murphysboro Road location and one at the Reed Station Road location are SB, Secondary Business, District. (Please refer to Exhibit B – Existing Zoning).
5. Existing Land Use: The subject properties currently all operate as commercial, retail spaces.
6. Comprehensive Plan: The 2010 Comprehensive Plan Future Land Use Plan designates the subject property and surrounding land as ‘Commercial’. The Grand Avenue location is designated as ‘Urban Center’.
7. Zoning History: The 1974 Zoning Map has the following designations:
 1. University Mall, B-PL
 2. Grand Avenue, PUD, Planned Development
 3. West Murphysboro Road, AG, General Agriculture
 4. Reed Station Road, AG
8. Applicable Regulations:

Statement of Intent of Relevant Zoning Districts:

§15.2.21 BPL Planned Business District

Statement of Intent: This district is created to provide for planned shopping centers. It is intended to promote the grouping of commercial uses and provide areas large enough to establish harmonious relationships between structures, people, and the automobile with the use of well-planned parking and access, pedestrian walkways, courtyards, malls, and open spaces. Strip type development is discouraged. Developments which exist at the time this ordinance was adopted may be included in a BPL District because they are similar in use and character to the permitted uses of this district and this statement of intent. Also, certain areas, which lend themselves appropriately to this statement of intent but which, on the effective date hereof are not occupied by commercial uses, but have strong pressures to be used as such, have been classified BPL.

§15.2.20 SB Secondary Business District

Statement of Intent: This district is created to provide areas for certain commercial, service, and public uses adjacent to or near major thoroughfares. The permitted uses in this district are of a type which more typically serves consumers on special purpose trips and are therefore not as dependent on being associated with other uses. It is

intended that all uses, including accessory uses, in this district provide an appropriate amount of off-street parking and loading facilities.

§15.2.30 RO Retail Revitalization Overlay District

Statement of Intent: This overlay district is established in response to changes in society's expectations for commercial and leisure activities, the impact of which can be seen in many commercial areas. There are many land uses that at one time would not have been considered for a planned business district, but would not be detrimental to the existing uses; they may even complement them in unexpected ways. The purpose of this overlay district is to create flexibility in land use and stimulate growth strategically in some commercial areas. In order to allow for denser development, there are no minimum parking requirements, and no minimum lot and yard size requirements for property within a RO district. The Retail Revitalization Overlay District is primarily designed for Planned Business District zones, but could overlay other commercial districts, too. Property within a RO district will still maintain its base district; where a conflict results between the regulations of this overlay district and other provisions of this Ordinance, the provisions of this overlay district shall control. (Ord. 2023-10)

PART B. SPECIAL INFORMATION

1. Public Utilities:

Water:

1. University Mall – serviced by 6” and 12” CoC water lines.
2. Grand Avenue – serviced by a 6” CoC water line.
3. West Murphysboro Road – serviced by 6” and 8” CoC water lines.
4. Reed Station Road – serviced by 8” CoC water lines.

Sanitary Sewer:

1. University Mall – serviced by 8” and 10” CoC sewer lines.
2. Grand Avenue – serviced by 15” and 27” inch CoC sewer lines.
3. West Murphysboro Road – serviced by a 8” CoC sewer line.
4. Reed Station Road – serviced partially by a 8” CoC sewer line.

Storm Sewer:

1. University Mall – serviced by CoC storm sewer lines of various sizes.
2. Grand Avenue – Pyles Fork Creek drainage.
3. West Murphysboro Road – drainage along West Main Street.
4. Reed Station Road – serviced by 15”, 18”, and 30” CoC storm sewer lines.

2. Public Services: The subject properties are all served by Carbondale Police and Fire.

3. Traffic Counts: The Illinois Department of Transportation 2021 Traffic Map provides the following average daily traffic counts in the immediate area:

	<u>Average Daily Traffic</u>
E. Main St. at University Mall	23200 ADT
E. Grand Ave.	Data not available at this time
W. Main St. at W. Murphysboro Rd. intersection	12700 ADT
E. Main St. at Reed Station Rd. intersection	23100 ADT

4. Correspondence Received: As of the date of this report, Staff has received three phone calls from neighboring property owners requesting more information on the zoning change.

PART C. ANALYSIS

The BPL District designation gives thorough guidance for new development in this district. However, most, if not all, land designated this way was done so after it was built. The intent to “promote the grouping of commercial uses and provide areas large enough to establish harmonious relationships between structures, people, and the automobile with the use of well-planned parking and access, pedestrian walkways, courtyards, malls, and open spaces. Strip type development is discouraged”, is not apparent in the spaces that are zoned this way.

The initial intent of the RO District was borne of many conversations between economic development and planning staff regarding growing vacancies in University Mall, and what could be done to revitalize the space. As discussions continued and the overlay district was designed, other BPL District locations were identified as needing some revitalization, too. These four areas have the following in common:

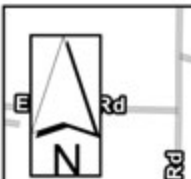
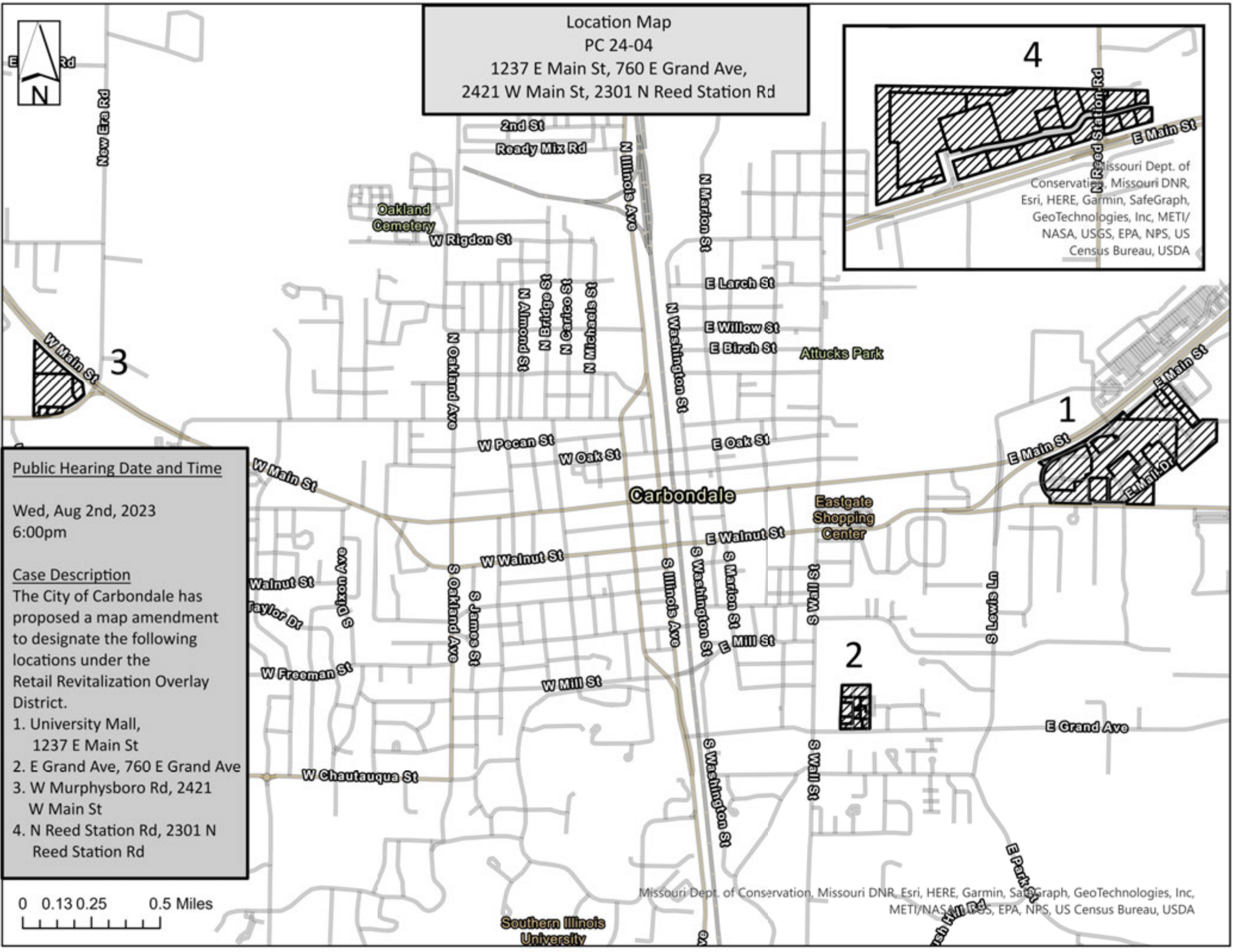
- Some to many vacant buildings, spaces, or land, with access to existing utilities
- Vast, unused parking lots

We will not see a booming change to these locations today or tomorrow. The City cannot ‘force’ certain businesses to come in, however popular we think they will be. What we can do, is remove unnecessary road blocks to new uses of existing developed land.

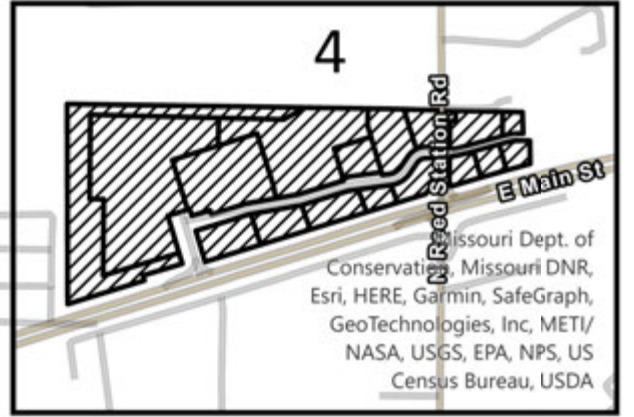
Guided by current best practices in land use, Carbondale’s Sustainability Plan, and simply what makes the most fiscal sense, zoning changes such as this one encourage higher density on land that is already developed and has access to utilities.

PART C: RECOMMENDATION

Based on the above analysis, staff recommends approval of PC 24-04.



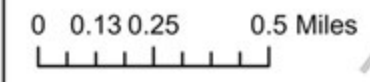
Location Map
PC 24-04
1237 E Main St, 760 E Grand Ave,
2421 W Main St, 2301 N Reed Station Rd



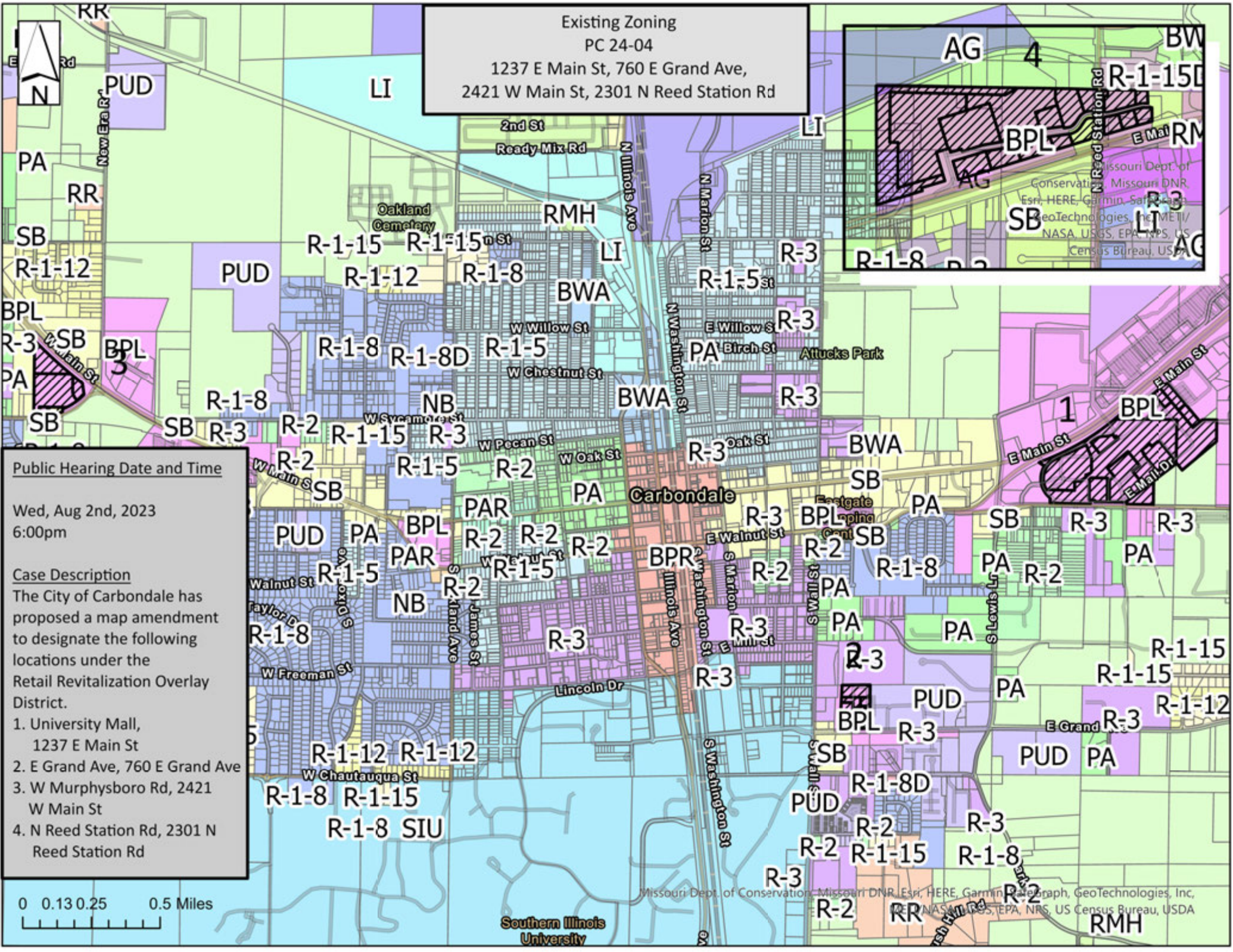
Public Hearing Date and Time
Wed, Aug 2nd, 2023
6:00pm

Case Description
The City of Carbondale has proposed a map amendment to designate the following locations under the Retail Revitalization Overlay District.

1. University Mall,
1237 E Main St
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4. N Reed Station Rd, 2301 N Reed Station Rd



Missouri Dept. of Conservation, Missouri DNR, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/ NASA, USGS, EPA, NPS, US Census Bureau, USDA



CITY OF CARBONDALE, ILLINOIS

ORDINANCE NO. 2023-__

**AN ORDINANCE TO CLASSIFY AND ZONE CERTAIN TERRITORY WITHIN THE
ZONING JURISDICTION OF THE CITY OF CARBONDALE, ILLINOIS**
(Various Planned Business and Secondary Business Zoned Properties)

ADOPTED BY THE CITY COUNCIL

OF THE CITY OF CARBONDALE, ILLINOIS

THE 22nd DAY OF AUGUST, 2023

Published in pamphlet form by authority of the City Council of the City of Carbondale, Jackson County, Illinois, this 23rd day of August, 2023.

CERTIFICATE OF PUBLICATION

I, Jennifer R. Sorrell, the duly qualified City Clerk of the City of Carbondale, Illinois, and the official custodian of the records of said City, do hereby certify that this Ordinance was published in pamphlet form by authority of the City Council on the 23rd day of August, 2023.

Jennifer R. Sorrell, City Clerk
City of Carbondale, Illinois

ORDINANCE NO. 2023-____

**AN ORDINANCE TO CLASSIFY AND ZONE CERTAIN TERRITORY WITHIN THE
ZONING JURISDICTION OF THE CITY OF CARBONDALE, ILLINOIS**
(Various Planned Business and Secondary Business Zoned Properties)

WHEREAS, the City of Carbondale, Illinois is a home rule unit of local government under the Illinois Constitution, 1970, Article VII, Section 6; and

WHEREAS, pursuant to Article VII, Section 6(a), of the Illinois Constitution, 1970, the City of Carbondale may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to regulate for the protection of the public health, safety, morals and welfare; and

WHEREAS, a Resolution has been passed by the City of Carbondale, requesting that certain property within the zoning jurisdiction of the City of Carbondale be designated under the RO, Retail Revitalization Overlay District; and,

WHEREAS, a notice of the hearing stating its purpose was published in the *Southern Illinoisan* on the 15th day of July, 2023, being at least (15) days prior to said hearing; and,

WHEREAS, the administrative official posted a notice on said properties and served notice on all the property owners 250 feet of said property according to Section 15-6.7.1.C of the Revised Code of the City of Carbondale; and,

WHEREAS, a hearing of the Planning Commission of the City of Carbondale was called at 6:00 p.m. on the 2nd day of August, 2023; and,

WHEREAS, the Planning Commission conducted said hearing pursuant to the notice given, and to the laws of the State of Illinois; and,

WHEREAS, said Planning Commission thereafter filed with the City Council a report of its hearing disclosing its findings of fact and its recommendation, said recommendation being as

follows: to approve PC 24-04, a map amendment to designate various Planned Business and Secondary Business District locations in the RO, Retail Revitalization Overlay District; and,

WHEREAS, the City Council of the City of Carbondale has considered the findings of fact filed by the Planning Commission, the record of the Commission's public hearing, and the provisions of the zoning ordinance, and based thereon, finds that said property should be rezoned.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CARBONDALE, ILLINOIS, AS FOLLOWS:

Section 1. That the real property subject to this ordinance is described as follows:

General Description

1. University Mall, 1237 East Main Street, Parcels: 15-22-202-014; 15-22-226-015; 15-22-226-025; 15-22-226-020; 15-22-226-021; 15-22-226-024; 15-22-226-018; 15-14-351-021; 15-15-478-003
2. East Grand Avenue BPL District, 760 East Grand Avenue, Parcels: 15-22-351-009; 15-22-351-010; 15-22-351-012; 15-22-351-013; 15-22-351-014; 15-22-351-015; 15-22-351-011
3. West Murphysboro Road / West Main Street BPL and SB District, 2421 West Main Street, Parcels: 15-18-476-016; 15-18-476-017; 15-18-476-014; 15-18-476-018; & 2500 West Murphysboro Road, 15-18-476-015
4. North Reed Station Road / Reed Station Parkway BPL and SB District, 2301 North Reed Station Road and surrounding, Parcels: 15-13-101-002; 15-13-101-004; 15-13-101-003; 15-13-126-003; 15-13-126-031; 15-13-126-032; 15-13-126-006; 15-13-201-006; 15-13-201-007; 15-13-201-008; 15-13-201-010; 15-13-201-009; 15-13-201-001; 15-13-126-008; 15-13-126-010; 15-13-126-012; 15-13-126-028; 15-13-101-006; 15-13-101-002

Section 2. That the real property described herein above and as shown in “Exhibit A” is hereby zoned under the RO, Retail Revitalization Overlay, District, in addition to its base zoning district.

Section 3. That “Exhibit A”, which is attached hereto and hereby incorporated herein is a map of the real property described herein and upon adoption of this Ordinance, said map shall be part of the official zoning map of the City of Carbondale, Illinois.

Section 4. That Ordinance No. 2007-49 establishing the zoning map of the City of Carbondale is hereby amended as is set forth on “Exhibit A” incorporated herein.

Section 5. That all ordinances and parts thereof in conflict herewith are expressly repealed and are of no other force and effect.

Section 6. The repeal of any ordinance by this Ordinance shall not affect any rights accrued or liability incurred under said repealed ordinance to the effective date hereof. The provisions of this Ordinance, insofar as they are the same or substantially the same as those of any prior ordinance, shall be construed as a continuation of said prior ordinance.

Section 7. That it is the intention of the City Council of the City of Carbondale that this Ordinance and every provision thereof shall be considered separable and the invalidity of any section, clause, or provision of this Ordinance shall not affect the validity of any other portion of this Ordinance.

Section 8. That the City Council of the City of Carbondale finds that the subject matter of this Ordinance pertains to the government and affairs of the City of Carbondale and is passed pursuant to the provisions of Article VII, Section 6(a) of the 1970 Illinois Constitution.

Section 9. That this Ordinance shall take effect upon its passage, approval, recording, and publication in pamphlet form in accordance with law.

APPROVED: _____
Carolyn Harvey, Mayor

ATTEST: _____
Jennifer R. Sorrell, City Clerk