

Illinois Emergency Operations Plan

Annex 30 – Earthquake

Appendix 4 - Transportation

Illinois Emergency Management Agency

August 2021





This page intentionally left blank



Record of Changes

When changes are made to this document the following procedures will be followed:

1. Changes will be issued by the Interagency Strategic Planning Cell at IEMA and transmitted to agencies, personnel, and other designees specified by the IEMA Director or their designee.
2. When a change is made, an entry will be made in the following log:

CHANGE NUMBER	DATE ENTERED	PAGES OR SECTIONS CHANGED	ENTERED BY



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 -
Transportation Management

This page intentionally left blank



Appendix 30-X4 - Transportation Management

Primary Agency	Illinois Department of Transportation (IDOT)
Support Agencies:	Illinois Commerce Commission (ICC) Illinois Department of Central Management Services (CMS) Illinois Department of Natural Resources (IDNR) Illinois Department of Revenue (IDOR) Illinois Environmental Protection Agency (IEPA) Illinois National Guard (ILNG) Illinois Secretary of State (SOS) Illinois State Police (ISP)
Support Organizations:	Illinois Public Works Mutual Aid Network (IPWMAN)

I. Introduction

A. Purpose

1. To establish strategic and operational guidance necessary for the protection, utilization, re-establishment and restoration of critical modes of transportation through implementation of agency specific tactical plans.

B. Scope

1. For the purposes of this appendix, transportation is defined as the movement of resources using publicly and privately owned ground, air, water and rail infrastructure.
2. Critical modes of transportation addressed may extend beyond the geographical boundaries of the state through established mutual aid agreements and dependent systems.
3. Laws, rules, regulations and policies of the United States government and agencies involved in risk management, assessment, protective measures and prevention activities for critical transportation are considered valid and within the state.
4. For the purposes of this appendix, transportation management includes but is not limited to:
 - a) Rapid assessment of damages to transportation systems;



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 -
Transportation Management

- b) Identification and implementation of actions to establish alternate ingress and egress routes;
 - c) Immediate actions necessary to open, close and operate highway systems;
 - d) Actions to establish communication links within impacted areas;
 - e) Coordination of movement of resources within the state to effect implementation of agency specific response plans, and
 - f) Implementation of response criteria for all IDOT districts.
5. This appendix does not replace or supersede IEOP Annex 4, Transportation or its appendices, but acts as a supplement for earthquake specific requirements for response and recovery operations.
6. This appendix does not address the following:
- a) Tactical response to all potential incidents resulting from an earthquake.
 - b) Pipeline mode of transportation; see Annex 15, Energy Management.
 - c) Aviation support mode of transportation; see Annex 4, Appendix 1, Disaster Aviation.
 - d) Defense support to civil authorities; see Annex 27, Military Coordination.

C. Policy

1. Procedures for utilization, control and use of state resources will incorporate operational priorities that include but are not limited to:
- a) Protection of life;
 - b) Public health and safety
 - c) Property protection;
 - d) Environmental protection;
 - e) Restoration of essential utilities;



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 -
Transportation Management

- f) Restoration of essential program functions, and
 - g) Coordination as appropriate.
 - 2. The governor or designee will authorize and direct the use of state resources to provide support and assistance to response and recovery efforts after consideration of priority and cost.
 - 3. The governor or designee will authorize waivers of certain restrictions, in accordance with IEOP Annex 4, Transportation, Appendix X-3, Waivers and Exemptions.
 - 4. Transportation personnel will be trained for assigned missions and be made aware of potential risks involved.
- D. Situation Overview
 - 1. An earthquake(s) has occurred resulting in damage to transportation infrastructure, disruption of day-to-day activities, and a threat to life-safety across one or more impacted areas including effects on:
 - a) Interstates - Federal and State Highways;
 - b) Bridges - Highway/ Railway;
 - c) Airports;
 - d) Maintenance facilities/Rest Areas;
 - e) District offices;
 - f) Communication sites, and
 - g) Railway – Railway line, Railway Yards.
 - 2. Management of state resources and the implementation of the IDOT Earthquake Preparedness, Response and Recovery Plan are required.
 - a) IDOT resources throughout the state are implementing missions and tasks directed through the IDOT command staff and department activated District Emergency Operations Centers (IDOT-DEOC).
- E. Assumptions
 - 1. An earthquake magnitude of 4.5 or greater has occurred, resulting in the



implementation of the IDOT Earthquake Preparedness, Response and Recovery Plan.

2. Local jurisdiction resources are fully engaged in assessing damage to locally maintained and controlled modes of transportation.
3. Private sector organizations will conduct damage assessments of owner-controlled transportation infrastructure.
4. Rapid damage assessment of the disaster area will be required.
5. Waivers and exemptions will be required in accordance with state statutes.
6. Mutual aid and federal resources will be requested.
7. Alternative routing is required to ensure unimpeded flow of state allocated goods, materials and commodities.
8. Immediate or spontaneous deployment of resources will impede coordinated efforts to open, close and operate transportation modes.
9. Secondary effects will include injuries and fatalities, hazardous materials spills, fire and the loss of other life essential infrastructure due to their proximity or reliance on transportation systems.
10. State agency response will be hindered due to secondary effects associated with an earthquake.
11. The loss of other critical infrastructure will impede identification and reporting of damage and resource capability and capacity.
12. Responding personnel will care for family members and property prior to deploying to state approved missions, delaying initial response and recovery efforts.

II. Concept of Operations

A. General

1. IDOT will implement the IDOT Earthquake Preparedness, Response and Recovery Plan for earthquakes of 4.5 magnitude or greater.
2. IDOT may implement the IDOT Earthquake Preparedness, Response and Recovery Plan for an earthquake of less than 4.5 magnitude based on coordination between any district and IDOT Station One.



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 - Transportation Management

3. The SEOC will monitor situation and notify SEOC Liaisons and IEMA senior staff of 4.0-4.4 magnitude earthquakes in Illinois, northern Kentucky, western Indiana or southeastern Missouri.
 4. The SEOC will respond at 4.5 or higher magnitude in Illinois, northern Kentucky, western Indiana or southeastern Missouri. Level of response to be determined by IEMA Director and SEOC Manager based on the scope and magnitude of the event.
 5. Transportation route plans for primary corridors and modes will be implemented within 48 hours to ensure transportation capacity is available for organizations having a role in response and recovery.
 6. Establish secure corridors within 72 hours for the activation and deployment of public and private emergency service resources.
 7. Enhance, mobilize and deliver resources within 96 hours to affected area(s) for prioritized task force response to:
 - a) Save lives;
 - b) Meet basic human-needs;
 - c) Stabilize transportation infrastructure, and
 - d) Begin transition to recovery.
 8. In the event of an aftershock measuring 4.5 or greater, personnel assigned to inspection of routes for damage, will reassess all previous inspections for signs of new damage, in accordance with the IDOT Earthquake Preparedness, Response and Recovery Plan.
- B. Operational Priorities
1. The state will apply strategic priorities to determine the ability to open and allow access to transportation corridors for:
 - a) Life-safety and Search and Rescue
 - b) Temporary Restoration of Critical Infrastructure (Order of Priority)
 - i) Power restoration;
 - ii) Communications;
 - iii) Wastewater treatment facilities and equipment;



- iv) Potable water, and
- v) Transportation.
- c) Debris removal to effect higher priority missions:
 - i) Main transportation and evacuation routes;
 - ii) Secondary transportation routes and staging areas, and
 - iii) Tertiary transportation routes and staging areas.
- d) Implementation and maintenance of site security.
- e) Population Related Disaster Services.
- f) Permanent debris removal and relocation not required for immediate life, safety, and evacuation missions:
 - i) Debris categorization;
 - ii) Debris Estimation, and
 - iii) Site Selection and Approval.

C. Organization

1. Direction and Control

- a) IEMA, through the SEOC, retains overall coordination and management of state response and recovery in accordance with the IEMA Act.
- b) State agencies and mutual aid organizations activated by the SEOC will retain operational control of their resources.
- c) For the purposes of IDOT, the following direction and control authorities and limitations are provided in accordance with the IDOT Earthquake Preparedness, Response and Recovery Plan:
 - i) The IDOT Station One/IDOT SEOC Liaison serves as the point of coordination for IDOT earthquake response and recovery;
 - ii) The IDOT Regional Engineer serves as the authority for IDOT Region/District operations, and



- iii) The District Operations Engineer oversees situational analysis; and develops and implements approved joint response and recovery strategies and plans.

2. Coordinating Elements

- a) SEOC notification, alert and warning of SEOC liaisons will be handled in accordance with IEOP Annex 3, Communications, Appendix X-1, Notification, Alert and Warning.
- b) Primary and support agencies are responsible for internal and support partner notification.
- c) IDOT will notify IEMA Telecommunications and/or the SEOC Manager upon implementation of the IDOT Earthquake Preparedness, Response and Recovery Plan or deployment of resources in response to an earthquake of any magnitude.
- d) For the purpose of this appendix, the following coordinating elements are provided in accordance with the IDOT Earthquake Preparedness, Response and Recovery Plan:
 - i) The IDOT Regional Engineer directs and coordinates operations through the IDOT District Operations Engineer;
 - ii) The IDOT District Operations Engineer coordinates with the IDOT SEOC liaison and other organizations regarding the status of IDOT operations, and
 - iii) The IDOT Districts coordinate with IDOT Station One/IDOT SEOC Liaison to receive information on the earthquake for the purposes of implementing pre- established inspection criteria.
- e) The following coordinating elements are provided in accordance with the IEOP:
 - i) State unified area command (SUAC) and State Area Command (SAC) elements may be deployed by the SEOC to coordinate information and resource requirements in impacted areas.
 - State agencies involved in the implementation of traffic management will deploy an agency liaison to each location in which a SUAC/SAC is activated.



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 - Transportation Management

- SUAC/SAC agency liaisons are delegated the role and responsibility for the accountability, notification, activation, deployment and coordination of resources within the operational area assigned to the SUAC/SAC by the SEOC.
- ii) One or more Lines of Effort (LOE) may be implemented by the SEOC for specific strategic action planning for transportation management.
 - LOE assigned to the SUAC/SAC operate under the authority of the SUAC/SAC commander.
 - LOE staffing will be determined by the SEOC manager and SUAC/SAC commander in coordination with SEOC agency liaisons.
- iii) The SEOC IDOT liaison will serve as the coordination point for transportation management and will maintain situational updates, develop required intelligence briefings, and provide critical and priority information to stakeholders, key decision-makers, executive officers and the SEOC.
 - The SEOC IDOT liaison will coordinate directly with state agency representatives to ensure coordination of transportation information, situational awareness and intelligence.
- iv) SEOC IDOT liaisons may coordinate the use of county or local jurisdiction resources for assigned missions and tasking with the IPWMAN.
- f) As appropriate for the type, scope and magnitude of transportation management requirements, IDOT will coordinate the dissemination of reports of disruptions to potentially affected stakeholders, key decision-makers and executive officers.
- g) SEOC liaisons will coordinate information on the operations of local, state and private organizations implementing transportation management plans with the SEOC IDOT Liaison.

D. Federal Coordination

1. IDOT will coordinate with the Federal Highway Administration (FHWA).



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 - Transportation Management

2. Under a presidential declaration of a major disaster or emergency, the SEOC will coordinate with the Federal Emergency Management Agency (FEMA) and federal counterparts when federal assets are required.
3. System Capabilities and Structure
 - a) IDOT Resources in Impacted Areas:
 - i) May be found in the IDOT AMP - Asset Management Program, maintained by the IDOT Central Bureau of Operations.
 - b) IDOT Resources in Non-Impact Areas:
 - i) Can be found in the IDOT AMP - Asset Management Program, maintained by the IDOT Central Bureau of Operations.
 - c) Identified Resource Requirements and Assistance:
 - i) Mutual Aid;
 - ii) Compact, and
 - iii) Federal.

E. Resource and Logistical Requirements

1. Resource management and logistics will be carried out in accordance with IEOP Annex 9, Resource Management and Logistics.
2. Resource management includes mutual aid and assistance agreements, the use of federal and state teams and resource mobilization protocols.

III. Roles and Responsibilities

A. Illinois Department of Transportation (IDOT)

1. Determine resources available in IDOT districts for dissemination to impacted areas and identify those necessary for statewide continuation of critical processes and services.
2. Coordinate the collection and dissemination of damage assessments to prioritize operations and determine resource allocations.
3. Maintain an inventory of state resources available for operations.



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 -
Transportation Management

4. Coordinate and manage the movement of resources into areas of critical need as appropriate to sustain implementation of the IDOT Earthquake Preparedness, Response and Recovery Plan.
5. Assist in identifying staging areas for the receipt of SEOC approved resources.
6. Assist in the distribution of existing IDOT resources and inventory, incoming resources from other districts and other sources to a central location.
7. Assist in coordination activities with other agencies that support transportation management and operations.
8. Determine staffing required and the need to request SEOC activation of LOE - Transportation Management.
9. In coordination with IEMA PIO, SUAC and SEOC, ensure dissemination of public information messaging containing routing information for the motoring public.
10. Provide traffic information and route status.
11. Ensure the coordination of prioritized inspections of critical transportation systems and infrastructure, including bridges and overpasses:
 - a) Assist in identifying primary, secondary and tertiary transportation routes;
 - b) Ensure the tracking of resources staged, activated, deployed and implementation of approved missions and tasks;
 - c) Provide route status information to the SEOC;
 - d) Coordinate and ensure implementation of waiver requests weight, height and load requirements in accordance with Annex 4 Transportation, Appendix X-3, Waivers and Exemptions.
 - e) Assist IDNR concerning the status of waterways that have affected state roadways in the affected areas.
 - f) Assist in coordination with ISP to facilitate the orderly ingress and egress of responders and the effected population.
 - g) Restoration and recovery of critical transportation systems and



infrastructure.

- h) Assist in the coordination of personnel and equipment for the transportation or relocation of resources, including personnel, supplies and equipment.
- i) Assist in the coordination of personnel and equipment for technical assistance through civil engineers in the evaluation and repair of damages to airport facilities.

B. Illinois Commerce Commission (ICC)

- 1. Coordinate information and intel sharing with utilities (to include electric, landline telecommunications and gas pipeline), railroads and emergency response personnel.
- 2. Provide track safety and hazardous material inspectors.
- 3. Coordinate requests for rerouting of trains.

C. Illinois Department of Central Management Services (CMS)

- 1. Provide and/or procure vehicles and specialized equipment for use in recovery operations.
- 2. Maintain a list of fuel vendors on contract with the state, maintain cache of emergency fuel cards and assist in procurement of fuel for response vehicles.
- 3. Assist in providing support for transportation of personnel and equipment with onsite repair, parts and service.
- 4. Assist in the coordination of establishing refueling depots.

D. Illinois Department of Natural Resources (IDNR)

- 1. Provide engineers and technical staff with expertise on dams and other water control structures.
- 2. Provide trucks, bull dozers, excavators, scrapers and tractors that can be used for debris removal and infrastructure repairs.
- 3. Provide boats and trailers with operators that can be used for law enforcement patrols, damage assessment of water control structures and other emergency protective measures.



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 -
Transportation Management

4. Provide chainsaws, portable generators and pumps, which can be used to conduct disaster response activities.
 5. Provide support in the event of a catastrophic earthquake through use of Mines and Minerals Analytical Laboratory.
 6. Provide boats and operators for water transportation of personnel, supplies and equipment.
 7. Provide all-terrain vehicles, snow mobiles and four-wheel drive vehicles (pick-up trucks/sport utility vehicles).
 8. Provide side scan sonar capabilities to assist in evaluating underwater structures such as bridge supports, lock and dams, etc.
- E. Illinois Department of Revenue (IDOR)
1. Coordinate activities with other agencies that support transportation operations.
 2. Assist with waiver request procedures for the Motor Fuel Tax Law.
 3. Coordinate activities with other agencies to ensure proper notification regarding the waiver of the Motor Fuel Tax Law.
 4. Assist in the development of traffic management plans in coordination with IDOT to facilitate the orderly ingress and egress of responders in the impacted region.
 5. Provide Motor Fuel Tax Law waiver information to the motoring public and requesting organizations.
 6. Coordinate requests for waivers/exemptions in accordance with IEOP Annex 4-X3, Waivers and Exemptions.
- F. Illinois Environmental Protection Agency (IEPA)
1. Provide technical assistance on potential environmental considerations for transportation management operations.
- G. Illinois National Guard (ILNG)
1. Provide aerial reconnaissance to identify damaged infrastructure.
 2. Provide personnel and heavy equipment.



Illinois Emergency Operations Plan (IEOP) – Annex 30 - Earthquake, Appendix 4 -
Transportation Management

3. Provide vehicles, aircraft and operators to move personnel, equipment and supplies.
 4. Assist in establishing fuel depots.
- H. Illinois Secretary of State (SOS)
1. Coordinate requests for waivers/exemptions in accordance with Annex 4, Appendix X3, Waivers and Exemptions.
 2. Assist in maintaining modes of transportation.
 3. Coordinate licensures, certifications and inspections of vehicles.
 4. Assist in verification of licensures and certifications for individuals.
- I. Illinois State Police (ISP)
1. Coordinate activities with other agencies that support transportation operations.
 2. Assist in placement of traffic control devices, barricades, signage, etc.
 3. Provide routing information to the motoring public and requesting organizations.
 4. Coordination of collecting, mapping and providing traffic information and route status.
 5. Assist in identifying primary, secondary and tertiary transportation routes and implement tracking of resources.
 6. Assist in executing waiver request procedures for weight, height and load and hours of service requirements.
 7. Assist in establishing and securing fueling depots.
 8. Develop traffic management plans in coordination with IDOT to facilitate the orderly ingress and egress of responders and the affected population.
 9. Provide traffic control and expedited routing for supply missions or personnel movements.
 10. Provide ISP aircraft in support of operations.
 11. Coordinate requests for execution of waivers/exemptions in accordance



with IEOP Annex 4-X3, Waivers and Exemptions.

J. Illinois Public Works Mutual Aid Network (IPWMAN)

1. Provide volunteer resources in support of local operations.
2. Coordinate activities with other agencies that support transportation operations.
3. Assist in placement of traffic control devices, barricades, signage, etc.
4. Provide routing information to the motoring public and requesting organizations.
5. Assist in inspections of critical transportation systems and infrastructure including bridges and overpasses.
6. Assist in waiver request procedures for local jurisdiction weight, height and load requirements.
7. Assist with identification of fueling facilities and depots.
8. Assist in the development and dissemination of local jurisdiction traffic management plans.
9. Assist in the restoration and recovery of critical transportation systems and infrastructure.
10. Assist in providing damage assessment and transportation assistance for state and federal disaster relief officials.
11. Assist in identifying facilities to serve as transportation resource staging areas.
12. Assist in providing additional personnel and heavy equipment.

IV. Authorities and References

- A. Authorities and references are located within the IEOP, Annex 30 - Earthquake for all supporting agencies and organizations.