

Illinois Emergency Operations Plan

ESF-3 Public Works & Engineering

Illinois Emergency Management Agency and
Office of Homeland Security

September 23, 2026



Illinois Emergency Management Agency
and Office of Homeland Security



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 State of Illinois Managed Plan Emergency Support Function (ESF) # 3 Public Works & Engineering		
Title	ESF-3 Public Works & Engineering	
Managing Division/Branch	Division of Operations	Strategic Planning – Inter-Agency Strategic Planning Cell (ISPC)
Drafted/Evaluated	The ISPC, in coordination with the ESF planning group.	September 2025
Evaluated Against	1. Prior version, if applicable. 2. Federal statutes and regulations. 3. State statutes and administrative codes. 4. Federal, state, and IEMA-OHS policies and directives. 5. National Preparedness Goal 6. National Response Framework 7. NRF Emergency Support Function # 3 Annex 8. FEMA Community Lifelines 9. National Disaster Recovery Framework (NDRF) 10. IEMA-OHS policies, plans, and common definitions list. 11. Corrective actions from After-Action Reports (AARs) and real-world events where this ESF was engaged.	
Plan Type	☒ New ☐ Revised	
Branch Manager Review and Approval	Scott Gauvin, Manager of Strategic Operations and Preparedness	July 7, 2026
Senior Official Review and Approval	Theodore ‘Ted’ Berger, Director Clayton Kuetemeyer, Deputy Director Christopher Dodd, Chief of Operations Louise Conway, Chief Legal Counsel	September 23, 2026
Supersedes	N/A	



State ESF-3 Coordinator	Support Agencies & Organizations
Illinois Department of Transportation (IDOT)	American Red Cross (ARC) Illinois Commerce Commission (ICC) Illinois Department of Agriculture (IDOA) Illinois Department of Central Management Services (CMS) Illinois Department of Corrections (IDOC) Illinois Department of Labor (IDOL) Illinois Department of Natural Resources (IDNR) Illinois Department of Public Health (IDPH) Illinois Emergency Management Agency & Office of Homeland Security (IEMA-OHS) Illinois Environmental Protection Agency (IEPA) Illinois National Guard (ILNG) Illinois Public Works Mutual Aid Network (IPWMAN) Illinois Water/Wastewater Agency Response Network (ILWARN)
Primary State Agencies & Organizations	
Illinois Department of Transportation (IDOT)	
Federal ESF-3 Coordinator	
Federal Emergency Management Agency (FEMA) U.S. Department of Defense (DOD) U.S. Army Corps of Engineers (USACE)	



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Record of Changes

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

1. Changes will be issued by the Inter-Agency Strategic Planning Cell at IEMA-OHS and transmitted to agencies, personnel, and other designees specified by the IEMA-OHS Director or designee via electronic means.
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
1	September 2025	Biannual Review	Glenn Smith



1. Introduction

1.1. Purpose

- 1.1.1. ESF-3 identifies the activities that must be accomplished to stabilize the Food, Hydration, Shelter, Water Systems, and Transportation Community Lifelines and their assignment to the responsible state agencies and partner organizations whose authorities, expertise, and resources are needed to do so.

1.2. Scope

- 1.2.1. The ESF-3 Annex defines the ESF-3 mission for state agencies and partner organizations responding to and assisting with recovery from an incident requiring state-supported public works and engineering.
- 1.2.2. Activities within the scope of this function include conducting pre- and post-incident assessments of public works and infrastructure; executing emergency contract support for lifesaving and life-sustaining services; providing technical assistance to include engineering expertise and construction management; contracting and real estate services; and providing emergency repair of damaged public infrastructure and critical facilities.
- 1.2.3. Debris Management
 - 1.2.3.1. Provisions outlined in this annex specify the means for the management of disaster-related debris clearance, removal, and disposal.
- 1.2.4. Water and Wastewater Management
 - 1.2.4.1. This ESF addresses state support to potable and wastewater infrastructure following a natural, human-caused, or technological disaster, to include:
 - 1.2.4.1.1. Situational awareness of the condition of potable and wastewater infrastructure and availability of supplies during and after a disaster.
 - 1.2.4.1.2. Compilation and dissemination of situational reports.
 - 1.2.4.1.3. Identification of the need for, issuance, and monitoring of water use advisories, including boil orders.



- 1.2.4.1.4. Public works support water supply and wastewater infrastructure, including the provision of pumps, generators, etc.
- 1.2.4.1.5. Identification of the need for and technical support of Authorities Having Jurisdiction (AHJs) in the provision of bulk distribution of potable water and treatment devices.
- 1.2.4.1.6. Testing of public and private potable water infrastructure.

1.3. Policy

- 1.3.1. General response and recovery policy for the state is outlined in the IEOP Base Plan: Purpose, Scope, Policy, Situation Overview, and Planning Assumptions and incorporated herein by reference.

1.4. Situation

- 1.4.1. The general situation overview for the state is outlined in the IEOP Base Plan: Purpose, Scope, Policy, Situation Overview, and Planning Assumptions and incorporated herein by reference.

1.5. Assumptions

- 1.5.1. The general planning assumptions for the state are outlined in the IEOP Base Plan: Purpose, Scope, Policy, Situation Overview, and Planning Assumptions and incorporated herein by reference.

2. Concept of Operations

2.1. General

- 2.1.1. State agencies will assess the hazards or potential hazards and report such assessments to the SEOC.

2.2. Notification, Alert, and Warning (NAW)

- 2.2.1. Notification of state agencies and organizations will be carried out in accordance with ESF-2 Communications, Appendix X-1 Notification, Alert, and Warning.
- 2.2.2. Primary and support agencies are responsible for internal and support partner notification.



- 2.2.3. For facilities regulated by the state, release notifications will be carried out in accordance with local, state, and federal laws, rules, regulations, policies, and procedures.
- 2.2.4. Primary and support agency SEOC Agency Representatives will identify situations affecting environmental safety.

2.3. Activation

- 2.3.1. The SEOC will provide state support through the activation of identified Representatives in accordance with SEOC Standard Operating Procedure Management and Coordination.

2.4. Communications

- 2.4.1. Communications throughout response and recovery will be conducted in accordance with standard operating procedures and managed using established procedures, processes, and policies outlined in ESF-2, Communications.
- 2.4.2. Communications will be conducted in a NIMS-compliant manner utilizing clear text and frequencies coordinated with the SEOC.

2.5. Resource Management

- 2.5.1. Resource management and logistics will be carried out in accordance with ESF-7 Resource Management and Logistics.
- 2.5.2. Resource management includes mutual aid and assistance agreements, the use of federal and state teams, and resource mobilization protocols.

2.6. Reporting Requirements

- 2.6.1. Information, intelligence, and situation reporting will be conducted in accordance with the SEOC Situation and Rapid Needs Assessment Standard Operating Guideline.
- 2.6.2. Reporting requirements will be coordinated and managed through each agency having enabling authority in accordance with state and federal laws, rules, regulations, policies, and procedures.
- 2.6.3. Reporting requirements will be compliant with the Illinois Administrative Code.



2.7. Organization

2.7.1. Direction and Control

- 2.7.1.1. Deployment and use of state personnel and resources for disaster recovery, such as debris removal, will be done through the Incident Command Structure (ICS) as required by the National Incident Management System (NIMS).

2.7.2. Coordinating Elements

- 2.7.2.1. State Unified Area Command (SUAC) and State Area Command (SAC) elements may be deployed by the SEOC to coordinate information and resource requirements for operations.
- 2.7.2.2. Coordination between private sector organizations and the state will be maintained through the SEOC and the Business Emergency Operations Center (BEOC).

2.7.3. Federal Coordination

- 2.7.3.1. Coordination will occur through the SEOC with the federal entities required for a response regarding ESF-3 Public Works & Engineering.

3. Roles and Responsibilities

3.1. State ESF Coordinator

3.1.1. Illinois Department of Transportation

- 3.1.1.1. Coordinate the utilization of required ESF-3 support to execute missions presented by the SEOC Manager.
- 3.1.1.2. Coordinates, integrates, and manages overall State efforts for ESF-3 Public Works & Engineering.
- 3.1.1.3. Manages and updates resource for ESF-3 Public Works & Engineering.
- 3.1.1.4. Assists in planning during activations and updates to the overall ESF plan.



3.2. Primary State Agency/Organization

3.2.1. Illinois Department of Transportation

- 3.2.1.1. Primary focus is inspection and/or repair of critical routes on state and federal highways.
- 3.2.1.2. Coordinates with IEMA-OHS, the State of Illinois, federal agencies, and the private sector for the removal of obstructions declared to be transportation hazards.
- 3.2.1.3. Provides technical expertise and assistance for the repair and restoration of transportation infrastructure.
- 3.2.1.4. Provides engineering personnel and support to assist in damage assessment, structural inspections of roadways and bridges, debris clearing, and restoration of the state's transportation infrastructure.
- 3.2.1.5. Working jointly with the Federal Highway Administration (FHWA) to ensure all available funding that can be used to repair or reconstruct major highway facilities and working jointly with FTA to ensure all available funding for public transportation systems to repair and rehabilitate damaged infrastructure.
- 3.2.1.6. Coordinate the provision of IDOT trucks, equipment, and personnel for disaster-related debris removal.

3.3. Support State Agencies/Organizations

3.3.1. Illinois Emergency Management Agency & Office of Homeland Security (IEMA-OHS)

- 3.3.1.1. Supports ESF-3 infrastructure protection and mitigation missions by providing infrastructure risk and vulnerability assessments in response to actionable intelligence and other information.
- 3.3.1.2. Provides situational awareness and prioritized recommendations concerning the recovery and restoration of the associated Critical Infrastructure Key Resources (CIKR) sectors supported by this ESF.



- 3.3.1.3. Provides resource support to assist in damage assessment, structural inspections, debris clearance monitoring, and restoration of facilities in general.
- 3.3.1.4. For chemical, biological, and radiological weapons of mass destruction incidents, coordinate with ESF #3 on the management of contaminated debris and demolition.
- 3.3.1.5. SEOC Manager
 - 3.3.1.5.1.1. Coordinate with county emergency management agency officials, affected local governments, and private sector organizations for the collection, receipt, analysis, and dissemination of situational awareness and disaster intelligence information.
 - 3.3.1.5.1.2. Assist in determining impacts resulting from damage or loss of critical infrastructure, to include overall minor disruptions that may cause a disproportionately significant impact on specific users.
 - 3.3.1.5.1.3. Develop and maintain maps, visual aids, and displays.
 - 3.3.1.5.1.4. Coordinate and provide public information, crisis communications, and rumor control, ensuring all communications with the public are clear and accessible regardless of physical, mobility, visual, hearing, cognitive, or financial needs, abilities, or impairments.
 - 3.3.1.5.1.5. Coordinate the inclusion of mutual-aid resources required for water and wastewater response and recovery in coordination with IEPA.
- 3.3.1.6. Business Emergency Operations Center (BEOC)
 - 3.3.1.6.1.1. Coordinate the acquisition of private sector resources that may be necessary to support water and wastewater operations.
 - 3.3.1.6.1.2. Coordinate activities of the state with private utility owners.



3.3.2. Illinois Department of Central Management Services (CMS)

- 3.3.2.1. Assist with the coordination, collection, receipt, compilation, and development of situational reports on damage impacts to state-owned, operated, and/or leased sites, facilities, systems, processes, and services managed by CMS.
- 3.3.2.2. Assist the SEOC Finance Representative in the coordination and management of financial and administrative operations as directed.
- 3.3.2.3. Assist the SEOC Finance Representative in the coordination of procurement of and contracts for goods and services approved by the SEOC as directed.
- 3.3.2.4. Illinois Information Service's Video, Satellite, and Photography Division will record and/or broadcast live anywhere in the nation via the KU-Band satellite uplink; photographers can record events digitally for immediate electronic distribution; and events can be viewed within the Capitol Complex through a closed-circuit feed.
- 3.3.2.5. Coordinate collection, receipt, compilation, and development of situational reports on damage impacts to CMS-managed facilities, systems, processes, and services.

3.3.3. Illinois Environmental Protection Agency (IEPA)

- 3.3.3.1. Enables contaminated debris management activities by coordinating and/or providing resources, assessments, data, expertise, technical assistance, monitoring, and other appropriate support.
- 3.3.3.2. Assists in identifying critical water and wastewater needs, including personnel, electrical power, and treatment chemicals.
- 3.3.3.3. Identifies locations of, and provides safety guidance for, areas affected by hazardous materials.
- 3.3.3.4. For chemical, biological, and radiological weapons of mass destruction incidents, coordinate with ESF-3 on management of contaminated debris and demolition.



- 3.3.3.5. Assists in investigation and intelligence analysis for hazardous materials incidents involving contaminated water and wastewater systems, pursuant to existing U.S. EPA statutory authorities.
- 3.3.3.6. Provides expertise on waste and debris disposal options.
- 3.3.3.7. Provides advice and assistance on the transportation of contaminated materials.
- 3.3.3.8. Provides technical assistance on operational capabilities and assessing damage to public water supply systems and wastewater treatment facilities.
- 3.3.3.9. Provide technical assistance in assessing and evaluating threats to public health, public welfare, and the environment resulting from damage or loss of critical infrastructure, including:
 - 3.3.3.9.1. Public and privately owned water supply systems.
 - 3.3.3.9.2. Publicly and privately owned sewage treatment systems.
 - 3.3.3.9.3. Threats of effects on surface and ground waters.
- 3.3.3.10. Identify the need for and coordinate the inclusion of specialized capabilities available through the SEOC as appropriate.
- 3.3.3.11. Coordinate laboratory testing to determine conventional pollutants, drinking water contaminants, and hazardous substances.
- 3.3.3.12. Provide situational awareness on the condition of affected public and privately owned water supply systems and sewage systems.
- 3.3.3.13. Assist with public information, crisis communications, and rumor control with the SEOC, ensuring all communications with the public are clear and accessible regardless of physical, mobility, visual, hearing, cognitive, or financial needs, abilities, or impairments.
- 3.3.3.14. Coordinate the removal of hazardous material debris resulting from a disaster.

3.3.4. Illinois Department of Natural Resources (IDNR)



- 3.3.4.1. Provides engineers and technical staff to provide damage assessment assistance for dams that are under IDNR-Office of Water Resources authority, levees, and other water control structures during the emergency response phase.
- 3.3.4.2. Provide boats and trailers with operators that can be used for enforcement patrols, damage assessment of water control structures, and other emergency protective measures.
- 3.3.4.3. Coordinate the provision of information on and assistance with disaster debris removal associated with natural resources in the state (i.e., state parks, lakes, etc.).
- 3.3.4.4. Coordinate trucks, bulldozers, excavators, scrapers, and tractors that are used for debris removal or infrastructure repairs.
- 3.3.4.5. Coordinate pumps and other equipment that are used for conducting debris removal.
- 3.3.4.6. Coordinate the provision of police/security for recovery personnel at state natural resource sites following a disaster.

3.3.5. Illinois Department of Public Health (IDPH)

- 3.3.5.1. Provide public health guidance on health risks associated with hazardous materials, ensuring information is accessible to all populations.
- 3.3.5.2. Assist in determining the suitability of local water sources for human consumption, prioritizing vulnerable populations and coordinating with local health authorities.
- 3.3.5.3. Monitor and disseminate situational awareness regarding water and wastewater needs at critical healthcare facilities, long-term care centers, shelters, and other critical infrastructure facilities, ensuring considerations for individuals with disabilities and medical needs.
- 3.3.5.4. Provide technical assistance and guidance on the collection and testing of private water wells for bacterial contaminants, ensuring outreach strategies address diverse community needs, including rural and underserved populations.



- 3.3.5.5. Provide technical assistance and guidance for the sampling of non-community public water supplies and other IDPH-regulated facilities, ensuring compliance with health and safety standards for all users, including those relying on alternative water sources.
- 3.3.5.6. Provide technical guidance on emergency treatment, handling, and disinfection of drinking water, ensuring methods account for individuals with access and functional needs.
- 3.3.5.7. Provide environmental health technical assistance and support, including but not limited to:
 - 3.3.5.7.1. Interpreting environmental data with a focus on health impacts across all community demographics.
 - 3.3.5.7.2. Guiding the reduction or prevention of hazardous exposures, ensuring materials are accessible in multiple formats and languages.
- 3.3.5.8. Coordinate with the SEOC to provide public information, crisis communications, and rumor control, ensuring messaging is inclusive, culturally competent, and accessible to individuals with disabilities and limited English proficiency.

3.3.6. Illinois Commerce Commission (ICC)

- 3.3.6.1. Gathers, assesses, and shares information on energy system damage and estimates on the impact of energy system outages within affected areas.
- 3.3.6.2. Provides information concerning the energy restoration process, such as projected restoration schedules, percent completion of restoration, geographic information on the restoration, and other information as appropriate, ensuring all communications with the public are clear and accessible regardless of physical, mobility, visual, hearing, cognitive, or financial needs, abilities, or impairments.

3.3.7. American Red Cross (ARC)

- 3.3.7.1. Works with IEMA-OHS, United States Army Corps of Engineers (USACE), other local, county, and state agencies and entities, and other NGOs to



ensure integration of commodities requirements and distribution processes into mass care operations.

3.3.8. Illinois Department of Agriculture (IDOA)

- 3.3.8.1. Coordinate the provision of assistance with the contracting/procurement personnel and equipment for debris removal and infrastructure repair.
- 3.3.8.2. Provide information to support situational awareness of damage to the agriculture industry.
- 3.3.8.3. Coordinate the use of county and state fairgrounds for equipment and personnel staging.

3.3.9. Illinois Department of Corrections (IDOC)

- 3.3.9.1. Coordinate the provision and supervision of individuals in custody labor, when available, for debris management operations.
- 3.3.9.2. Coordinate the provision of vehicles with operators for hauling materials and equipment.
- 3.3.9.3. Coordinate the provision of officers to perform (limited duty) security for affected areas.

3.3.10. Illinois Department of Labor (IDOL)

- 3.3.10.1. Provide worker safety advice, assistance, and policy support for debris removal, building demolition, and other ESF #3 activities.
- 3.3.10.2. Ensure emergency work complies with the state's labor rates and standards.

3.3.11. Illinois National Guard (ILNG)

- 3.3.11.1. Support area of operation with personnel and equipment for disaster-related clean-up and debris removal.

3.3.12. Illinois Public Works Mutual Aid Network (IPWMAN)

- 3.3.12.1. Coordinate directly with member agency public works departments through existing mutual aid agreements.



- 3.3.12.2. Provide resources to supplement water and wastewater operations throughout response and short-, intermediate-, and long-term recovery with consideration of potential medical, functional, or other additional needs or requirements of the public.
- 3.3.12.3. Provide information on resource availability and resources deployed as requested.
- 3.3.12.4. Coordinate with IEMA-OHS, IDOT, other State agencies, and member public works agencies to mitigate infrastructure hazards, obstructions, failures, or other man-made or natural disasters.
- 3.3.12.5. Provide technical expertise and assistance for the repair of transportation infrastructure.
- 3.3.12.6. Aid with initial damage assessment.
- 3.3.12.7. Coordinate deployment of equipment, materials, and personnel to disaster-related incidents.
- 3.3.12.8. Coordinate directly with member agency public works departments through existing mutual aid agreements.
- 3.3.12.9. Provide resources to supplement water and wastewater operations throughout response and short-, intermediate-, and long-term recovery.
- 3.3.12.10. Provide information on resource availability and resources deployed as requested.
- 3.3.12.11. Coordinate with IEMA-OHS, IDOT, other State agencies, and member public works agencies to mitigate infrastructure hazards, obstructions, failures, or other man-made or natural disasters.
- 3.3.12.12. Provide technical expertise and assistance for the repair of transportation infrastructure.
- 3.3.12.13. Coordinate deployment of equipment, materials, and personnel to disaster-related incidents.

3.3.13. Illinois Water/Wastewater Agency Response Network (ILWARN)



- 3.3.13.1. Coordinate directly with public and private utilities through existing mutual aid agreements.
- 3.3.13.2. Provide resources to supplement water and wastewater operations throughout response and short-, intermediate-, and long-term recovery, with consideration of potential medical, functional, or other additional needs or requirements of the public.
- 3.3.13.3. Coordinate mutual aid operations with the SEOC through the SEOC Private Sector LNO.
- 3.3.13.4. Provide information on resource availability and resources deployed as requested.
- 3.3.13.5. Maintain situational awareness of water and wastewater operations through the BEOC.

4. Authorities

- 1. Illinois Emergency Management Act (20ILCS3305), as amended.
- 2. Illinois National Guard Domestic Response Plan, as amended.
- 3. Code of Federal Regulations, Title 14, as amended.
- 4. Freedom from Drone Surveillance Act, 725 ILCS 167, as amended.
- 5. 5ILCS 220/Intergovernmental Cooperation Act.

5. References

- 1. Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. § 5121 et seq., as amended.
- 2. National Response Framework (NRF), as amended.
- 3. National Disaster Recovery Framework (NDRF), as amended.
- 4. Illinois Department of Transportation (IDOT) – Standard Operating Procedures, as amended.



6. Acronyms & Definitions

1. For all definitions and acronyms addressed in this plan, please refer to the IEOP Base Plan, Appendix X-7 Glossary of Terms.