

EMERGENCY SUPPORT FUNCTION #3

PUBLIC WORKS and ENGINEERING

ESF Coordinator:

Tooele County Department of Engineering/Roads & Shops Division

Primary Agency:

Tooele County Department of Engineering/Roads & Shops Division

Support Agencies:

Tooele County Maintenance Department

Tooele County Parks and Recreation

Tooele County Health Department

Tooele County Sheriff

Municipal Water Service Districts/Wastewater Treatment Facilities

Utility Companies

Primary Points of Coordination and Associated Actions

- A. ESF #5 (Emergency Management): ESF Coordinator sends Situation Reports (SITREPS), conduct electronic briefings, request mission assignments, and receive consolidated SITREPS for briefings in the EOC.
- B. ESF #1 (Transportation) and ESF #11 (Agriculture and Natural Resources): assist in debris clearance and transportation of potable water to areas that do not have operating water supply systems or are without food. Provide signs and barricades for closed roads.
- C. ESF #13 (Law Enforcement): coordinate access and traffic control, and security when requested.
- D. ESF #15 (Public Information): Coordinators receive, verify and disseminate public works information to the media and public as necessary.
- E. ESF #10 (Hazardous Materials): The management of contaminated debris (e.g., chemical, biological, radiological, or nuclear contamination of general construction debris/rubble only, to support the clearing of roads and public property) will be a joint effort with ESF #10.

I. INTRODUCTION

A. Purpose

ESF #3 supports Tooele County by coordinating and organizing the capabilities and resources of various government agencies to facilitate the delivery of services, technical assistance, engineering expertise, construction management, and other support to prevent, prepare for, respond to and/or recover from an incident requiring a coordinated government response.

B. Scope

ESF #3 is structured to provide public works and engineering-related support for the changing requirements of domestic incident management to include preparedness, response, and recovery actions. Activities within the scope of this function include:

1. Conducting pre-incident and post-incident assessments of public works and infrastructure;
2. Executing emergency contract support for life-saving and life-sustaining services;
3. Providing technical assistance to include engineering expertise, construction management, and contracting and real estate services; providing emergency repair of damaged public infrastructure and critical facilities; and,
4. Following a declared disaster, implementing and managing the DHS/Federal Emergency Management Agency (FEMA) Public Assistance Program and other recovery programs.

C. Policies

1. State, tribal, and local governments are responsible for their own public works and infrastructures and have the primary responsibility for mitigation, preparedness, response, and recovery.
2. State, tribal, and local governments are fully and consistently integrated into ESF #3 activities.
3. When activated to respond to an incident, the primary agencies for ESF #3 develop work priorities under the direction of the Policy Group.
4. Local authorities are responsible for obtaining required permits, waivers, and clearances relating to ESF #3 support from outside agencies.
5. State, tribal, and local mutual aid and assistance networks facilitate the sharing of resources to support response and recovery.
6. The private sector owns or operates a large portion of the Tooele County's critical infrastructure and is a partner and/or lead for the rapid restoration of infrastructure-related services.

Through ongoing planning and coordination, the private sector provides critical details for incident action planning and decision making processes during an incident. Also private sector mutual aid and assistance networks facilitate the sharing of resources to support response and recovery.

7. During large-scale events, all levels of government and the private sector will take proactive actions to respond, anticipating resources that may be required.

II. SITUATION

- A. The Tooele County Engineering Department performs public works tasks vital to the maintenance and function of the county. These include street construction and maintenance, building inspections, code enforcement, and county road vehicle maintenance and repair.
- B. The Tooele County Maintenance Department handles all public building maintenance. Many of this department's emergency functions mirror its' daily activities.
- C. Emergencies often result in an increased requirement for public works services. Because county public works resources are limited, it will likely be necessary to obtain assistance from outside of the county under the oversight of the appropriate city/county official or handled through mutual aid. The Engineering/Roads and Maintenance Departments will coordinate disaster response actions with responding resources.

III. CONCEPT OF OPERATIONS

The Tooele County Engineering Department Director will coordinate public works activities to prepare for, respond to, and/or recover from a major emergency requiring a coordinated multi-agency and multi-jurisdictional response. ESF #3 will be activated by the Policy Group at any time following a major incident. ESF #3 may also be activated at the State and Federal levels to coordinate resource assistance.

A. Preparedness

Mitigation activities that should be performed by the Engineering/Roads and Maintenance Departments include:

1. Participate in a hazard analysis and identify vulnerabilities in the public works area;
2. Create emergency public works plans, checklists and task assignments. Train personnel in emergency procedures;
3. Promote the development of ordinances designed protect public works systems and to improve building codes;
4. Initiate mutual aid agreements within the county and with neighboring jurisdictions;
5. Coordinate with the Health Department to identify private and public water companies' and utilities' points of contact and local contractors who can provide support during emergencies. Acquaint them with emergency plans and procedures. *This will be critical in the area of water and sewer system repair and the restoration of public utilities;*

6. Review this annex and other annexes in the plan to clarify public works plans;
7. Participate in the design, execution and after-action reviews of emergency preparedness exercises;
8. Work with county planning commissions to ensure that new constructions do not increase hazard or vulnerability threat; and,
9. Acquire and maintain resources and equipment.

B. Response

Following an emergency, ESF #3 will be activated and notification procedures will be initiated. The designated Public Works Coordinator will respond to the EOC according to established procedures. The ESF #3 Coordinator may take some or all of the following actions:

1. Coordinate manpower, heavy machinery, vehicles, equipment, and various services required to restore or repair transportation routes and other infrastructure support systems;
2. Coordinate with ESF #1 and the County Road Supervisor to ensure that transportation routes are open and maintained, and assist with debris removal or other functions throughout the disaster response and recovery operations;
3. Coordinate the provision of signs and barricades for traffic and access control when requested by ESF #13- Law Enforcement;
4. Conduct emergency demolition or stabilization of damaged structures and facilities designated as immediate hazards to public safety or as necessary for life saving operations;
5. Coordinate with the Maintenance Department Director and the Health Department to survey all essential government buildings and equipment for damage. Develop a prioritized repair schedule and make recommendations to alleviate problems;
6. Ensure the operational integrity of the EOC, Courthouse and Jail Facility;
7. Coordinate with local health and medical officials as well as the American Red Cross to ensure that schools, the hospital, nursing homes, mass care centers/shelters, etc., are structurally safe, mechanically sound, and sanitary;
8. Ensure the temporary restoration of water supply systems and the provision of water for firefighting; and,
9. Coordinate with ESF #3 to ensure temporary restroom facilities, potable water, landfills, and other necessary services are provided and maintained to appropriate standards as required.
10. Provide information to Public Information Officer;
11. Continually update and maintain EOC status boards, providing briefings or other information relating to public works and utilities services as required;
12. Continually provide Event Log Coordinator with information regarding key response actions and corresponding execution times. Detailed information is critical in portraying an accurate picture of overall emergency response and recovery operations; and,

13. Submit daily to the EOC Finance Workstation written record detailing man-hours, equipment usage, supplies consumption, ongoing expenditures, and other information. Written documentation is required to establish an accurate accounting of monies and resources expended during all phases of the emergency. This is critical in submitting claims for reimbursement. Pictures of damages are also most helpful in verifying the necessity for repair.

C. Recovery

Once immediate response activities have stabilized:

1. Work with the state to organize damage survey teams and prepare damage assessments. Forms will be available in the EOC;
2. Barricade damaged areas, as required for safety;
3. Call out private contractors and other assistance, as necessary;
4. Assist with search and rescue activities, if requested by the Sheriff; and,
5. Coordinate with the EOC; provide Event Log Coordinator with information regarding key response actions and corresponding execution times, and submit daily to the EOC Finance Workstation written records detailing man-hours, equipment usage, supplies consumption, ongoing expenditures, and other information.

IV. RESPONSIBILITIES

ESF #3 Coordinator/Primary Agency

A. Tooele County Engineering/Roads & Shops Division

The Tooele County Engineer will:

1. Act as the Public Works Coordinator in the Tooele County EOC. Designate an alternate to function in his/her absence;
2. Coordinate public works activities listed above;
3. Develop mutual aid agreements, with local municipalities and contractors, for equipment and manpower support;
4. Identify local private contractors who can provide backup support;
5. Review and update public works plans, checklists and task assignments. Train personnel in emergency procedures;
6. Develop resource lists for contractors, machinery, vehicles, equipment and various services required to perform assigned responsibilities;
7. Provide engineering services and advice;
8. Oversee flood control;
9. Enforce building codes;
10. Assess structural damages to shelters, dams, public buildings and roads;

11. Participate in development and review of emergency preparedness exercises.

Tooele County Buildings Maintenance Director will:

1. Survey all essential government buildings for damage. Develop a prioritized repair schedule and cost estimate and make recommendations to alleviate problems;
2. Ensure the operational integrity of the EOC/Courthouse and Jail Facility;
3. Coordinate with the Engineering Department building inspectors and local health and medical officials as well as the American Red Cross to ensure that schools, the hospital, nursing homes, mass care centers/shelters, etc., are structurally safe, mechanically sound, and sanitary;
4. Coordinate with the Health Department and Parks and Recreation Department for the provision of temporary sanitary facilities when necessary;
5. Coordinate with the Health Department and the Parks and Recreation Department for the provision of potable water, if requested;
6. Maintain contact with the EOC through the Public Works Coordinator.
7. Coordinate with ESF #3 in the EOC, and State and Federal agencies for formal damage assessments, recovery operations and requests for reimbursement;
8. Support all EOC, local, state and federal requests for information and record keeping requirements.

The **Tooele County Engineering/ Roads Division Manager** will:

1. Assist the Public Works Coordinator (Engineering Director) in developing plans, emergency procedures, task assignments and resource lists;
2. Assist the Public Works Coordinator (Engineering Director) in securing manpower, heavy machinery, vehicles, equipment, and various services required to restore or repair transportation routes, water and sewer systems, public utilities and other infrastructure support systems;
3. Ensure that all main evacuation routes are open and maintained, and assist with debris removal or other functions throughout the disaster response and recovery operations;
4. Provide equipment and manpower to other emergency support agencies, as available;
5. Provide engineering services and advice as requested;
6. Maintain contact with the EOC.
7. Support all EOC, local, state and federal requests for information and record keeping requirements.

SUPPORT AGENCIES

AGENCY	FUNCTIONS
Tooele County Sheriff	Provide personnel and equipment for security and traffic and access control.
Tooele County Health Department	Provide technical and professional personnel and equipment for the testing and monitoring of water supplies and sanitation and possible contamination of food supplies.
Municipal Water Service Districts and Wastewater Treatment Facilities	Provide technical personnel and equipment to evaluate damage to water control facilities and assist with the provision of potable water where needed.
Utility Companies	Provide engineering and technical expertise, personnel and equipment for the restoration of public utilities and critical infrastructure.

All tasked agencies should:

1. Maintain existing equipment and follow established procedures for inter- and intra-agency and IC communications for field operations;
2. Maintain communication with appropriate Branch or Section Chiefs;
3. Keep appropriate ESF Coordinators in the EOC informed of status of operations at all times;
4. Ensure 24 hour staffing where required;
5. Maintain daily staff and equipment usage records and expense reports and provide to the financial officer in the field and/or EOC as appropriate. Request forms if not readily available; and,
6. Clean, repair and perform maintenance on all equipment, as required for daily use, and before returning to normal operations or to storage.

Salt Lake County EOP Example

Emergency Support Function #3 – Public Works Annex

ESF Coordinator: Leon Berrett

Primary Agencies: SLCo Public Works Engineering
SLCo Public Works Operations
Planning and Development Services Division

County Liaison: Mike Barrett

- *Support Agencies are contained throughout and at the end of this document*

INTRODUCTION

Purpose

Emergency Support Function (ESF) #3 – Public Works and Engineering assists Salt Lake County by coordinating and organizing the capabilities and resources of County Government to facilitate the delivery of services, technical assistance, engineering expertise, construction management, and other support to prepare for, respond to, and/or recover from a disaster or an incident requiring a coordinated County response.

Authorities

- Refer to the authorities listed in the Salt Lake County Emergency Operations Plan and emergency support function (ESF) annexes as appropriate.

Scope

ESF #3 is structured to provide public works and engineering-related support for the changing requirements of domestic incident management to include preparedness, response, and recovery actions. Activities within the scope of this function include conducting pre-incident and post-incident assessments of public works and infrastructure; executing emergency contract support for life-saving and life-sustaining services; providing technical assistance to include engineering expertise, construction management, permitting and inspection services; providing emergency repair of damaged public infrastructure and critical facilities. Additionally, ESF #3 articulates the roles and responsibilities relating to the restoration and continuity of wastewater treatment and solid waste management.

Policies

ESF #3 and support agencies will coordinate and assist Salt Lake County Public works and Engineering response activities for emergencies and disasters that affect the Salt Lake County region. All participating organizations will use, to the greatest extent possible, day-to-day policies and best practices to facilitate the integrity of public works and engineering response activities except when the situation requires exceptional policy changes or modification. The ability to sustain public works and engineering services, mitigate adverse economic impacts and meet societal needs will hinge on effective public works and engineering decisions at all levels. ESF #3 will act in accordance with the Salt Lake County Emergency Operations Plan, the emergency plans of each individual agency, and applicable State and Federal guidelines.

When activated to respond to an incident, the primary agencies for ESF #3 develop work priorities in cooperation with State, County, and/or local governments.

Local authorities are responsible for obtaining required waivers and clearances related to ESF #3 support.

State, County, and local mutual aid and assistance networks facilitate the sharing of resources to support response and recovery.

Emergency or disaster response will be led by local jurisdictions until such time as the situation overwhelms the local jurisdictions capabilities and resources. Local jurisdictions may then call upon Salt Lake County for assistance. In disaster or emergency situations when extensive county assistance must be delivered in support of local jurisdictions, Salt Lake County Emergency Management will activate or place on standby the appropriate ESFs.

Private Sector

The private sector owns or operates a large proportion of the County's infrastructure and is a partner and/or lead for the rapid restoration of infrastructure-related services. Through ongoing planning and coordination, the private sector provides critical details for incident action planning and decision-making processes during an incident. Also, private-sector mutual aid and assistance networks facilitate the sharing of resources to support response and recovery.

The Critical Infrastructure and Key Resources (CIKR) Support Annex provides details regarding the processes that help to ensure coordination and integration of private sector CIKR-related activities among a wide array of public and private incident managers.

Salt Lake County Government

Potential emergencies and disasters include both natural and technological events, including earthquakes, flooding, debris flows, terrorist attacks. Disasters may cause unprecedented property damage. Homes, public buildings, bridges, roads and other facilities may have to be reinforced or demolished to ensure safety. Debris may make streets and highways impassable. Public utilities may be damaged and may be partially or fully inoperable. Equipment in the immediate disaster area may be damaged or inaccessible. Sufficient local resources may not be available to meet emergency requirements. Assistance may be needed to clear debris, do damage assessment, structural evaluations, make emergency repairs to essential public facilities, reduce hazards by stabilizing or demolishing structures and provide water for human health needs and firefighting.

ESF #3 provides County public works and engineering support when there is a need for additional resources or capabilities to support and sustain the response and initial recovery.

During large-scale events, all levels of government and the private sector will take proactive actions to respond, anticipating resources that may be required. Resources and capabilities may also be provided when other departments or agencies within County Government require assistance.

ESF #3 facilitates and coordinates support from County departments and agencies providing public works and infrastructure support assistance.

State, county and local agencies are responsible for complying with appropriate environmental and historic preservation statutes.

CONCEPT OF OPERATIONS

General

Local public infrastructure will sustain damage. Disaster response and recovery may be difficult to coordinate.

Access to the event area will be dependent upon the establishment of ground and air routes. In some locations, debris clearance and emergency road repairs may be given top priority to support immediate life saving emergency response activities. Activities related to emergency road repairs and closures caused by debris are addressed in ESF #1 – Transportation.

Damage Assessments will be coordinated and conducted according to the Salt Lake County Damage Assessment Annex

Rapid assessment of the event area will be made to determine critical response issues and emergency response priorities.

Response and strategic emergency assistance will be coordinated from the Salt Lake County EOC. Information will be gathered, compiled and documented.

Previously inspected structures may require re-evaluation if subsequent events occur after the initial event, or if the results of the initial inspection are inconclusive.

Normal means of communication may not be available and repairs to communication networks could take days, weeks or months. In those situations, non-traditional means of communication will be coordinated through ESF #2.

On-duty County employees may be on-their-own for an extended period of time after an event. Individual departments will support the efforts of employees to communicate with their families and return home as needed.

The extent of damage to the public infrastructure of the affected area, in addition to the condition of the transportation network in the area will influence the strategy for assessment, restoration of operations, and will influence the strategy developed by the debris management team.

Debris may include trees, rocks, dirt, sand, mud, building materials, metal, garbage, sewage, damaged vehicles, various hazardous materials, tires and personal property.

Following disasters that result in significant debris, pre-existing disposal sites likely will not represent effective debris management solutions because of capacity limitations and regular solid waste management operations.

Unattended and long-standing debris may pose safety and health threats to the public.

Emergency environmental waivers and legal clearances will be needed for disposal of materials from debris clearance and demolition activities.

Personnel with engineering, construction and building inspection skills, and construction equipment and materials will be required from outside of the disaster area. MOU's with support agencies and groups should be sought in advance if possible.

Support agency representatives collocate with ESF #3 field personnel to coordinate support.

ORGANIZATION

Headquarters / EOC – Level Response Support Structure

ESF #3 operates as part of the Operations Section under the Incident Command System. The primary agency coordinates the activities of the ESF with help from supporting agencies. Local jurisdictions within Salt Lake County will request assistance from Salt Lake County and the Operations Section Chief will task the ESFs with missions to respond to requests and meet needs. ESFs will coordinate with other

ESFs, their local counterparts, private organizations and vendors to accomplish their missions. ESFs will properly document their activities and keep fiscal records for costs incurred while performing assigned tasks.

In addition, ESF #3 should;

- Obtain and maintain mutual aid agreements and contracts with cities, counties, contractors, equipment suppliers.
- Identify potential problem areas for flooding in the county-wide flood control facilities and municipal storm drain systems.
- Identify and prioritize critical facilities and develop strategies to protect/help critical facilities
- Coordinate with water and sewer districts.
- Planning should include a training and exercise program.
- Identify disaster staging areas and needs for personnel and equipment.
- Include staff in Damage Assessment Annex training.
- Evaluate manpower, equipment and communication plans and needs.
- Coordinate prepared plans among public works divisions.
- Coordinate with other ESF's for resource needs that facilitate effective emergency response.

County-Level Response Support Structure

ESF #3 provides a structure for managing and coordinating the complex operations involved in damaged structures and infrastructure, solid waste disposal and debris management. This includes deployment of resources into and out of the incident area and the coordination of public works recovery, restoration, safety and security.

- Communications are established and maintained via liaisons with ESF #5 – Emergency Management and with ESF #7 – Resource Support.
- Close coordination with ESF #1 clearing debris and opening transportation corridors.

Additional agencies requiring close coordination includes:

Utah Department of Transportation
Salt Lake County Emergency Management Sheriff/Unified Police Department
Unified Fire Authority
Other Fire Departments Contracts and Procurement
Salt Lake Valley Health Department
Salt Lake County Special Service Districts – Sanitation, Solid Waste
Salt Lake County water districts, city water departments and wholesale water distributors
Questar Gas
Rocky Mountain Power American Red Cross FAA
Salt Lake City Airport
Private contractors and heavy equipment vendors

Notification

When activated, ESF #3 personnel may deploy to State, County, or local emergency operations centers.

Primary and supporting agencies will be notified through a calling tree and EOC activation

Incident and Field

Initial Response Actions: The ESF #3 coordinator or representative:

- Reports to the Incident, Area, or Unified Command.
- Establishes communication links / liaisons with support agencies, other Emergency Operations Center, and other jurisdictions.
- Establishes communication links with the regional/area ESF #3 coordinator(s).
- Obtains an initial situation and damage assessments through established intelligence procedures; determines the appropriate management response to meet the request for assistance; and obtains and distributes, through appropriate channels, incident contact information to emergency responders mobilized through ESF #3.

- Analyzes each request before committing people and other resources; ensures employees will be provided with appropriate vaccinations, credentials, and personal protective equipment to operate in the all-hazard environment to which they are assigned; and ensures that all employees involved in all-hazard response will be supported and managed by an agency leader, agency liaison, or interagency Incident Management Team.
- Ensures that an all-hazard incident-specific briefing and training are accomplished prior to task implementation. This preparation will usually occur prior to mobilization where incident description, mission requirements, and known hazards are addressed. Key protective equipment and associated needs for tasks that employees do not routinely encounter or perform will be identified.

Activities within the ESF #3 functions include but are not limited to the following:

- Coordination and support of infrastructure risk and vulnerability assessments.
- Participation in pre-incident activities, such as the positioning of assessment teams and contractors, and deploying advance support elements.
- Participation in post-incident assessments of public works and infrastructure to help determine critical needs and potential workloads.
- Implementation of structural and nonstructural mitigation measures, including deployment of protective measures, to minimize adverse effects or fully protect resources prior to an incident.
- Execution of emergency contracting support for life-saving and life-sustaining services, to include providing potable water, ice (for life-saving/life-sustaining purposes such as medical-related requirements), emergency power, and other emergency commodities and services.
- Providing assistance in the monitoring and stabilization of damaged structures and the demolition of structures designated as immediate hazards to public health and safety. (For chemical, biological, and radiological weapons of mass destruction incidents, demolition is coordinated with ESF #10 - Oil and Hazardous Materials Response.) Also, providing structural specialist expertise to support inspection of mass care facilities and urban search and rescue operations.
- Providing emergency repair of damaged infrastructure and critical public facilities (temporary power, emergency water, sanitation systems, etc.). Supporting the restoration of critical navigation, flood control, and other water infrastructure systems, including drinking water distribution and wastewater collection systems. Where appropriate, activities to restore infrastructure (e.g., debris removal, temporary housing mission, etc.) are closely coordinated with ESF #11 – Animal Services, Agriculture and Natural Resources. As appropriate, ESF #3

requests ESF #11 to provide technical support to help facilitate ESF #3 efforts to obtain necessary regulatory (cultural and environmental) clearances for infrastructure restoration activities. ESF #3 will seek technical assistance to ensure that accessibility standards are addressed during infrastructure restoration activities.

- ESF #3 may be responsible for managing, monitoring, and/or providing technical advice in the clearance, removal, and disposal of debris from public property and the reestablishment of ground and water routes into impacted areas. The scope of actions related to debris may include waste sampling, classification, packaging, transportation, treatment, demolition, and disposal. For purposes of ESF #3, the term “debris” includes general construction debris that may contain inherent building material contaminants, such as asbestos and paint. Debris may include livestock or poultry carcasses and/or plant materials.
- When ESF #3 is activated for a debris mission, ESF #3 may also: collect, segregate, and transport to an appropriate staging or disposal site hazardous materials that are incidental to building demolition debris, such as household hazardous waste and oil and gas from small motorized equipment; remove and dispose of Freon from appliances; and remove, recycle, and dispose of electronic goods. (The removal of hazardous material containers that may have become intermingled with construction debris, such as drums, tanks, and cylinders containing oil and hazardous materials, is managed under ESF #10.)
- The management of contaminated debris (e.g., chemical, biological, radiological, or nuclear contamination) will be a joint effort with ESF #10 and FEMA. The scope of actions related to contaminated debris may include waste sampling, classification, packaging, transportation, treatment, demolition, and disposal of contaminated debris and soil. For purposes of ESF #3, contaminated debris is intended to mean debris (e.g., general construction debris/rubble) that is being addressed within the debris zone and to support the overall objectives of ESF #3, such as clearing roads and public property.
- ESF #3 may also be responsible for managing, monitoring, and/or providing technical advice in the demolition and subsequent removal and disposal of buildings and structures contaminated with chemical, biological, radiological, and nuclear (CBRN) elements, in consultation with ESF #10.
- The scope of actions may include air monitoring and sampling, waste sampling, classification, packaging, transportation, treatment (onsite and offsite), demolition, and disposal (onsite and offsite). Except where necessary to address structural stability or other imminent threats, such demolition actions are taken after incident decision-makers have had an opportunity to evaluate options for site cleanup and have selected demolition as the desired cleanup approach. (ESF #10 leads the identification, analysis, selection, and implementation of cleanup actions for incidents where Federal assistance is requested for hazardous materials environmental cleanup (except for certain facilities and materials owned, operated, or

regulated by other Federal departments and agencies). (Decontamination of buildings or infrastructure would be led by ESF #10.)

- Providing coordination and technical assistance (to include vessel removal, significant marine debris removal, and hydrographic survey) to effect the rapid recovery and reconstitution of critical waterways, channels, and ports.
- Providing technical assistance to include engineering expertise, construction management, contracting, inspection of private/commercial structures, and real estate services.
- Implementation and management of the DHS/FEMA Public Assistance Program and other recovery programs between and among Federal, State, County, and local officials, to include efforts to permanently repair, replace, or relocate damaged or destroyed public facilities and infrastructure. Recovery activities are coordinated with ESF #14 – Long- Term Community Recovery.

Continuing Response Actions: The ESF #3 coordinator or representative:

- Obtains, maintains, and provides incident situation and damage assessment information through established procedures.
- Continued support for life-saving and life-sustaining services, including providing potable water, ice, emergency power and other emergency commodities and services.
- Manage, monitor and/or provide technical assistance in the clearance, removal and disposal of debris from public property and the re-establishment of routes into the affected areas and may include waste sampling, classification, packaging, transportations, treatment, demolition and disposal.
- Provide coordination and technical assistance to effect rapid recovery and reconstruction of critical transportation routes.
- Coordinates incident resource needs, and determines and resolves, as necessary, issues regarding resource shortages and resource ordering issues.
- Maintains close coordination through the EOC with the support agencies.
- Maintains a complete log of actions taken, resource orders, records, and reports.

Recovery Actions include:

- Consultation with ESF #5 and ESF #14 regarding recovery strategies.

- Restore and temporarily repair critical Salt Lake County transportation facilities and systems, including roads, bridges and culverts.
- Assess losses of equipment and personnel, develop estimates of monetary loss and identify possible funding sources
- Plan long-term and permanent repair of transportation (roads & bridges), utilities, storm water needs and communications systems.

RESPONSIBILITIES

ESF Coordinator / Primary Agencies:

Public Works Engineering Public Works Operations
Planning and Development Services Division

General Responsibilities

Pre-incident planning and coordination

Maintain ongoing contact with ESF primary and support agencies Conduct periodic ESF meetings and/or conference calls

Coordinate periodic ESF activities relating to incidents of local or regional significance, catastrophic incident planning, and critical infrastructure preparedness

Coordinate training and strategies with appropriate local, regional, state and federal agencies Assist in identifying and acquiring property required for emergency debris management needs

Assist in identifying and acquiring property (buildings, office space, etc.) to be used by critical infrastructure organizations in the event their work places are rendered unusable

Assist with pre and post incident damage assessment of critical infrastructure Assist with threat, risk and vulnerability assessments of key County infrastructure

Specific Responsibilities

The functions of Salt Lake County Public Works include ensuring public works and engineering related functions and operations are protected and reconstituted as soon as possible following an incident of local or regional significance, including:

- Conduct pre- and post- incident assessments of public works and infrastructure
- Construction, repair and restoration of public buildings
- Emergency demolition or stabilization of public facilities or structures

- Damage assessment and/or inspection of damaged buildings and facilities
- Establish and maintain temporary storage sites for debris
- Assist with debris management concerns in regards to storm water runoff
- Segregate debris and isolate power and utility lines
- Lead with the recovery/reconstruction of traffic-related infrastructure
- Assist with debris management issues on County streets
- Coordinate reconstruction/repair of County streets
- Monitor operations and sites for compliance with County, state and federal regulations
- Establish and manage disposal sites
- Participate in debris management activities
- Coordinate the repair or restoration of solid waste facilities
- Provide technical engineering expertise in determining emergency operations required for water supply, firefighting, and other related areas
- Execute emergency contract support for life-saving and/or sustaining services
- Manage the financial aspects of ESF #3 response, including the funding of mission assignments and/or reimbursable agreements
- Coordinate the recovery, restoration and safety/security of the public works infrastructure
- Provide trained personnel to staff ESF #3 responsibilities at the EOC, or any other temporary facility in the impacted region
- Coordinate emergency restoration of critical public services and facilities including supply of adequate potable water, temporary restoration of water supply systems and the provision of water for firefighting

- Assist with permit and building code regulations related to residential and commercial buildings, grading & excavations, and floodplain management on public and private property

Specific Responsibilities

The functions of Salt Lake County Public Works include ensuring public works and engineering related functions and operations are protected and reconstituted as soon as possible following an incident of local or regional significance including:

- Conduct pre- and post- incident assessments of public works and infrastructure
- Construction, repair and restoration of public buildings
- Emergency demolition or stabilization of public facilities or structures
- Damage assessment and/or inspection of damaged buildings and facilities
- Establish and maintain temporary storage sites for debris
- Assist with debris management concerns in regards to storm water run-off
- Segregate debris and isolate power and utility lines
- Lead with the recovery/reconstruction of traffic-related infrastructure
- Assist with debris management issues on County streets
- Coordinate reconstruction/repair of County streets
- Monitor operations and sites for compliance with county, state and federal regulations
- Establish and manage disposal sites
- Participate in debris management activities

- Coordinate the repair or restoration of solid waste facilities
- Provide technical engineering expertise in determining emergency operations required for water supply, firefighting, and other related areas
- Execute emergency contract support for life-saving and/or sustaining services
- Manage the financial aspects of ESF #3 response, including the funding of mission assignments and/or reimbursable agreements

SUPPORT AGENCIES

All agencies that support the 15 ESFs support the Salt Lake County EOC. For complete details of their responsibilities, please refer to the appropriate ESF annex. Additionally, for a complete list of the ESFs, refer to the base EOP.

Each jurisdictional EOP and the Salt Lake County EOP provide specific actions that are initiated upon activation of their EOC and implementation of this annex. Once an incident occurs, the following actions should be taken:

- Activate and deploy (or prepare to deploy) agency or ESF-managed teams, equipment caches, and other resources as needed to support the overall mass care and sheltering mission.
- Commence ESF responsibilities as appropriate.
- Commence assessments of the probable consequences of the incident and projected resource requirements to accomplish the ESF #3 Public Works mission.
- Commence development of Public Works strategies for short- and long-term response and recovery.

AGENCY FUNCTION

Utah Department of Transportation	
Salt Lake County Emergency Management	
Sheriff/Unified Police Department	
Unified Fire Authority	
Other Fire Departments Contracts and	

Procurement	
Salt Lake Valley Health Department	
Salt Lake County Special Service Districts – Sanitation, Solid Waste	
Questar Gas	
Rocky Mountain Power	
American Red Cross	
FAA	
Salt Lake City Airport	
Private contractors and heavy equipment vendors	