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ESF 3 – Public Works and Engineering

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ESF 3 Tasked Agencies	
Primary Agencies	Transportation and Development
Supporting Agencies	Water and Environmental Services City Public Works
Adjunct Agencies	

1 Purpose and Scope

Emergency Support Function (ESF) 3 provides information to assist Clackamas County in coordinating and organizing the capabilities and resources of the County and response partners 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 Federal response.

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

- Conducting pre- and post-incident assessments of public works and infrastructure.
- Executing emergency contract support for life-saving and life-sustaining services.
- Providing technical assistance, including engineering expertise, construction management, and contracting and real-estate services.
- Providing emergency repair of damaged public infrastructure and critical facilities.

Additional information related to Public Works and Engineering can be found in the Emergency Operations Center (EOC) library in the following plans:

- Debris Management
- Damage Assessment

2 Policies and Authorities

The following policies and authorities are currently in place:

- Oregon Public Works Emergency Response Cooperative Assistance Agreement.

3 Situation and Assumptions

3.1 Situation

Most major emergency situations, natural or human-caused, will require the direct involvement and support of public works agencies in both the response and recovery phases of a disaster. In a flood or earthquake response, public works agencies will generally be assigned or will assume the lead agency role.

3.2 Assumptions

- Major emergency response operations for public works agencies will include assisting police and fire, as necessary, in traffic control and rescue operations, in addition to clearing and maintaining critical lifeline routes.
- Each public works agency will utilize its existing directives and procedures in responding to major emergencies/disasters while working within the framework of their applicable Emergency Operations Plans (EOP).
- Interdepartmental liaison activities and requests for additional public works and engineering resources may be coordinated through Transportation and Development's designated resource coordinator, who may be located at the County's EOC during the response to a major disaster.
- Local contractors will be utilized by public works agencies in supplementing emergency response and recovery capabilities.

4 Roles and Responsibilities

The roles and responsibilities for each department supporting emergency services will vary depending on the type of resource, the length of the warning period, and the duration of the incident.

4.1 Organization

- Clackamas County response partners will respond in accordance with the direction provided in the County EOP and/or this ESF.
- Transportation and Development shall implement its own disaster procedures, including their own Continuity of Operations (COOP) Planning, in coordination with the County EOC.
- Other jurisdictions should respond in accordance with the direction provided in their respective EOPs or the County's EOP as appropriate.

4.2 Task Assignments

Task assignments for public works operations shall be consistent with those outlined in the Basic Plan section of the EOP; ESF 5 – Emergency Management; and Transportation and Development policies and procedures.

4.2.1 Transportation and Development

- Develop and maintain an emergency notification list of departmental personnel.
- Develop and maintain operating procedures for disaster response, including evacuation transportation requirements.
- Provide appropriate training to personnel on the general concept of disaster response and self-preservation techniques and for utilization of the Incident Command System (ICS) in disaster procedures for damage assessment.
- Ensure that employees fully understand their obligations as emergency responders to report to work as soon as possible in the event of a major emergency/disaster.
- Ensure that employees are aware of the need for a family preparedness plan that will assist them and their families in dealing with the results of a natural disaster such as an earthquake.
- Designate an emergency management program liaison that will be responsible for the department's mitigation and preparedness activities, including participating in the development, maintenance, and exercise of the EOP.
- Designate a Transportation and Development resource coordinator who will serve as a member of the County's EOC staff whenever the EOC is activated, for the purpose of training, exercising, or coordinating an actual response by the Clackamas County government to a major emergency/disaster. This coordinator shall also be responsible for developing and maintaining a working knowledge of resources available to Transportation and Development through other local, State, and Federal agencies for disaster response. This position will also work with utility companies, public works departments, the Oregon Department of Transportation, and the U.S. Army Corps of Engineers.
- Participate in the annual training exercises conducted by Emergency Management to test the EOP.

Response

- Immediately recall off-duty personnel.
- Inspect bridges and report other infrastructure for structural damage immediately following the occurrence of a natural hazard such as earthquake or flood.
- Clear debris from on roads, streets, culverts, and streams endangering bridges and other structures and coordinate with the EOC in matters of debris disposal.
- Perform temporary repairs of arterial routes and bridges.
- Coordinate restoration of public facilities, roads, and bridges.
- Demolish unsafe structures.
- Furnish equipment and operators to assist fire and police in rescue operations.
- Support traffic control measures and provide signing for detours, shelters, routes, security, trespassing, etc.
- Coordinate transportation resources for evacuations.
- Document personnel and other costs related to the emergency/disaster response for possible Federal disaster assistance reimbursement.
- Ensure that public works emergency response activities and emergency public information are coordinated with the EOC, when it is operational.
- Advise the Board of County Commissioners on public works–related aspects of the emergency/disaster.

Recovery

- Continue necessary response operations.
- Assist other agencies with recovery operations and damage assessment, as appropriate.
- Return the focus of service to maintenance of the County infrastructure as soon as possible, releasing personnel and equipment for return to normal operations.

4.2.2 Incorporated Cities

Preparedness/Mitigation

- Public Works officials of incorporated cities should work with their local policy makers to perform mitigation/preparedness activities similar to those outlined above in conjunction with the cities' EOPs.
- Public Works officials of incorporated cities without their own EOPs should utilize the mitigation/preparedness direction outlined above, as appropriate, and coordinate activities with the County Emergency Manager.

Response

- Public works officials of incorporated cities should respond in accordance with their cities' EOPs and coordinate public works response activities, as appropriate, with the County's public works resource coordinator in the County EOC.
- Public works officials of incorporated cities without their own EOPs should generally follow the response procedures outlined above, coordinating activities with local policy makers and the County's public works coordinator in the EOC.

Recovery

- Continue necessary response operations.
- Assist other agencies with recovery operations and damage assessment, as appropriate.
- Return the focus of service to maintenance of the city infrastructure as soon as possible, releasing personnel and equipment for return to normal operations.

5 Concept of Operations

5.1 Pre-Disaster Operations

During the mitigation and preparedness phases, public works agencies in Clackamas County should develop internal emergency procedures to handle daily situations while also preparing for larger-scale events. This includes developing and maintaining emergency call-out lists, contributing to and participating in the development and exercise of their jurisdictions' EOPs for major emergencies and disasters. Pre-disaster planning should include the development of mutual aid agreements between the County and the various cities, as appropriate, and

photographic documentation of facilities, major culverts, bridges, etc. for replacement purposes.

5.2 Disaster Response

Public works response will include all activities to restore vital lifeline systems to the community, focusing particularly on critical bridges and roads throughout the County. Protection of life will be the priority, which in many response situations will mean that public works will be providing direct support to police and fire units in rescue, evacuation, and traffic control.

5.3 Direction and Control

To be developed.

6 Emergency Support Function Development and Maintenance

Transportation and Development is responsible for ensuring that this annex is updated and revised, as necessary. Transportation and Development is responsible for developing and maintaining any related operational policies and procedures.

7 Supporting Plans and Procedures

The following plans and procedures are currently in place:

- Clackamas County Emergency Operations Plan
 - ESF 1 – Transportation
 - ESF 12 – Energy
 - Debris Management Plan
 - Damage Assessment Plan
- National Response Framework, ESF 3 – Public Works and Engineering
- State of Oregon Emergency Operations Plan, ESF 3 – Public Works and Engineering

8 Appendices

None at this time.