

**Emergency Support Function – 3
Public Works and Engineering**



2020

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ESF – 3 Public Works and Engineering

ESF COORDINATOR:

Chatham County Public Works Department

SUPPORT AGENCIES:

Chatham County Department of Engineering
Chatham County Mosquito Control
Chatham Emergency Management Agency
City of Bloomingdale Public Works Department
City of Garden City Public Works Department
City of Pooler Public Works Department
City of Port Wentworth Public Works Department
City of Savannah Infrastructure and Development
City of Savannah Sanitation Department
Town of Thunderbolt Public Works Department
City of Tybee Island Public Works Department
Georgia Department of Transportation

INTRODUCTION

The emergency support function of public works and engineering involves direction and coordination, operations, and follow-through during an emergency or disaster.

Purpose

ESF-3 Public Works and Engineering supports the EOP and complies with standards set forth in the National Response Framework. This document provides guidance to prepare for, respond to, recover from, and mitigate the effects of a disaster or emergency on Chatham County's infrastructure and networks. This however is not a tactical response document. ESF-3 is designed to ensure seamless integration of key public works and engineering resources to remove debris from streets, eliminate hazards, manage storm damage, provide rapid restoration of water/sewer services, and other associated activities to address an emergency or disaster.

Scope

ESF-3 acts to meet the public works and engineering essential elements of information needs of operations to include debris, drinking water, waste water and other infrastructure systems in an emergency or a disaster.

CONCEPT OF OPERATIONS

General

During an emergency or disaster, ESF-3 may be activated to support operations and assist with the development of a common operating picture. The scope, scale and magnitude of the threat/incident will dictate which support agencies will be requested for the support of ESF-3 Public Works and Engineering in the EOC.

Preparedness

- a. Develop and maintain resource lists to support ESF-3 operations utilizing both public and private sector entities.
- b. Establish and maintain contact with the state and adjacent county public works officials.
- c. Develop and maintain procedures for delivery of water (potable and non-potable in a disaster area).
- d. Develop and maintain contracts to address engineering, debris management, debris monitoring, snow or ice clearance, public works repair, water or sewer repair, and others, as needed.
- e. Participate in exercises and training.
- f. Estimate logistical requirements (personnel, supplies, equipment, facilities, and communications) during the planning process and through exercises.
- g. Ensure all ESF-3 personnel integrate NIMS principles.

Response

- a. Identify water and sewer service restoration, debris management, potable water supply and engineering requirements as soon as possible.
- b. Establish priorities to clear roads, repair damaged water/sewer systems and coordinate the provision of temporary, alternate or interim sources of emergency power and water/sewer services.
- c. Acquire debris site permits, as needed.
- d. Activate contracts to support operations, as needed.
- e. Coordinate with GEMA for the use of state assets.
- f. Coordinate with ESF-4 regarding the firefighting water supply.
- g. Coordinate use of public works assets.

- h. Identify, obtain, prioritize and allocate available public works resources.
- i. Coordinate with ESF-8 Health and Medical and ESF-18 Animal Services for advice and assistance regarding the disposal of debris containing or consisting of animal carcasses.
- j. Coordinate with ESF-10 HAZMAT for advice and assistance regarding disposal of hazardous materials.
- k. Report the locations of damage to infrastructure, degree of damage, and other available information to the EOC.
- l. Coordinate emergency information for public release through ESF-15.
- m. Document matters that may be needed for inclusion in briefings, situation reports and action plans.

Recovery

- a. Coordinate debris management operations as needed.
- b. Coordinate the repair and restoration of infrastructure.
- c. Ensure that ESF-3 team members and/or their agencies maintain appropriate records of costs incurred during the incident.

Mitigation

- a. Support and plan for mitigation measures.

Organization

The County EOC will be activated to coordinate a multijurisdictional level response.

Representatives from the applicable ESF-3 Agencies may be assigned to the EOC or alternate location, as best suited to meet incident needs and coordinate operations.

ESF Role Aligned to Core Capabilities

The following table lists the response capability that ESF-3 most directly supports, along with the related ESF-3 actions supporting the capability.

Core Capability	ESF-3 Public Works and Engineering
Operational Coordination	<ul style="list-style-type: none"> • Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities. This includes, among other things: <ul style="list-style-type: none"> ➤ Re-entry route clearance ➤ Debris operations

Core Capability	ESF-3 Public Works and Engineering
Infrastructure Systems	<ul style="list-style-type: none"> • Stabilize critical infrastructure functions, minimize health and safety threats, and efficiently restore and revitalize systems and services to support a viable, resilient community. This includes, among other things: <ul style="list-style-type: none"> ➤ Water network assessment ➤ Communication of viable routes post-event

Responsibilities

Coordinating Agency	Actions
Chatham County Public Works Department	<ul style="list-style-type: none"> • Monitor the public works infrastructure and act as the principle source of information for threats or incidents to the infrastructure • Assess the need for and prioritize the deployment of services based on available resources and critical needs • Repair/maintain appropriate public works infrastructures • Coordinate debris operations within unincorporated areas • Coordinate priority re-entry route clearance within unincorporated areas • Activate contracts to support operations, as necessary • Request additional support, as necessary • Conduct impact assessments within affected areas • Coordinate with municipal public works departments • Provide EOC Staffing for the following EOC positions as needed: <ul style="list-style-type: none"> ➤ ESF-3 & ESF-12 • Develop plans and procedures to support emergency or disaster operations • Coordinate ESF meetings to ensure constant state of readiness

Supporting Agency	Actions
All Supporting Agencies	<ul style="list-style-type: none"> • Immediately following an emergency or disaster, assess the overall status of the public works infrastructure within the area of responsibility, determine potential needs & resources, report status to ESF-3 Coordinator • Attend ESF meetings to ensure planning and coordination functions are carried out to support this ESF • Provide additional resources as available to support ESF-3 response and recovery efforts • Develop appropriate plans, policies, procedures, mutual aid agreements, and other supporting documentation as needed to facilitate execution of responsibilities to this ESF • Participate in drills, exercises, and other preparedness events to measure the Agency’s readiness to support this ESF • Prepare to support the Emergency Operations Center as needed. • Document disaster related activities related to this ESF • Prepare to collect and maintain records of expenditures and document resource utilized during response and recovery operations
Chatham County Engineering Department	<ul style="list-style-type: none"> • Coordinate the repair of transportation infrastructure • Provide EOC Staffing for the following EOC positions as needed: <ul style="list-style-type: none"> ➢ Evacuation & Re-Entry Branch Director ➢ Evacuation & Re-Entry Tracking ➢ Infrastructure Branch Director ➢ ESF-01 Transportation
Chatham County Mosquito Control	<ul style="list-style-type: none"> • Support infrastructure assessments, provide recommendations for transportation routes • Coordinate all local requests for air support • Provide staffing for Air Support Operations Center when activated
Municipalities	<ul style="list-style-type: none"> • Assess the need for and prioritize the deployment of services based on available resources and critical needs • Repair/maintain appropriate public works infrastructures • Coordinate debris operations within appropriate municipality • Coordinate priority re-entry route clearance within appropriate municipality • Activate contracts to support operations, as necessary • Request additional support, as necessary
Chatham Emergency Management Agency	<ul style="list-style-type: none"> • Provide ESF-3 Coordinator with guidance and support required to accomplish assigned tasks

Supporting Agency	Actions
Georgia Department of Transportation	<ul style="list-style-type: none">• Provide status of GDOT roads and bridges• Coordinate closures as needed• Support county and local governments with resources and technical support, as needed• Provide EOC Staffing for the following EOC position as needed:<ul style="list-style-type: none">➤ Liaison Officer
United States Army Corps of Engineers	<ul style="list-style-type: none">• Assist with the removal of waterway debris• Provide EOC Staffing for the following EOC position as needed:<ul style="list-style-type: none">➤ Liaison Officer

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