

Annex 3 (ESF-3 Public Works and Engineering) to the Darlington County Emergency Operations Plan

Primary: Roads and Bridges

Support: Environmental Services, Darlington County Water and Sewer Authority, Codes Enforcement, SC Department Of Transportation

I. Introduction:

- A. Darlington County is subject to disasters (natural or man-made) that could result in the need for the restoration of damaged or destroyed essential facilities and utilities.
- B. Public works and engineering refers to those engineering activities required to provide or restore water and sewer services, including the emergency supply of potable water, temporary restoration of water supply and sewer systems and providing water for firefighting. These activities may include ice, snow and debris removal, technical expertise regarding the structural safety of damaged buildings, bridges and highways, restoration of transportation infrastructure; coordination of emergency repairs to public facilities, acquiring the appropriate construction services (i.e., electrical, plumbing, soils, etc.) and emergency demolition or stabilization of damaged structures and facilities designated as hazards to public health and safety.
- C. Public Works and Engineering Services damage assessment refers to the evaluation of damages to the transportation infrastructure, governments buildings and facilities, utility services such as electrical, telephone and cable TV and any observed damage to private property. This information is essential to determine the need for state and/or federal assistance and document local response and recovery expenditures. Damage assessment information gathered in support of this annex will be forwarded to the ESF-14 Damage Assessment Team for inclusion in the consolidated Damage Assessment Report for the County.

II. Mission: The Director of Road and Bridges is tasked to provide a well organized and equipped Public Works and Engineering Service and to establish the policies, procedures and priorities for the control and restoration of transportation infrastructure, water resources and sewer facilities and to provide for coordinating immediate and continued engineering resources and providing technical expertise following a disaster.

III. Concept of Operation:

- A. The Director of Roads and Bridges is designated as Coordinator of the Public Works and Engineering Service, having the primary responsibility within the county boundaries for the coordination of the activities necessary for the restoration of essential infrastructure (transportation, utilities, water and sewer

systems, debris removal) following a disaster.

- B. The Director of Roads and Bridges is responsible for the supervision of the following agencies or departments:
 - 1. Local Government
 - (a) Darlington County Director Of Roads and Bridges
 - (b) Darlington County Parks and Recreation Department
 - (c) City of Darlington Public works
 - (d) City of Darlington Sanitation Department
 - (e) City of Hartsville Public Works
 - (f) City of Hartsville Sanitation Department
 - 2. Non-Governmental Organization
 - (a) Privately owned engineering and construction companies.
 - (b) Privately owned utility companies.
- C. The Director of Roads and Bridges is responsible for the coordination of the South Carolina Department of Highways and Public Transportation activities within the county before, during and after a disaster.
- D. The Coordinator of the Public Works and Engineering Service has the overall responsibility for mission assignments and coordination of the available engineering and construction resources within the county.
- E. Each municipality director of utilities is responsible for engineering operations within the limits of the municipality.
- F. The engineering resources of the municipalities will be made available to the Public Works and Engineering Service when possible.
- G. SC DHEC will provide overall guidance to the Water and Sewer Authority concerning water supply matters and guidance for sewage treatment and disposal.
- H. South Carolina DOT is responsible for the restoration and repair of state maintained roads and bridges. SC DOT will provide overall guidance concerning the structural safety of damaged bridges and roads and guidance for the

restoration of transportation infrastructure. State forces used in support of this plan will be committed on a mission type basis.

- I. The Roads and Bridges Department will support the South Carolina DOT operations, when county resources are available.

IV. Responsibilities of the Public Works and Engineering Service:

A. Preparedness Phase:

1. Director of Roads and Bridges:

- (a). Develop procedures to implement this Annex.
- (b). Coordinate those procedures jointly affecting city and county disaster operations with each municipality.
- (c). In coordination with the Darlington County Emergency Services, maintain resource lists, engineering/public works assignments, and alert lists.
- (d). Maintain formal agreements and/or working relationships with city, state and federal agencies having public works and engineering responsibilities.
- (e) Coordinate with municipal, county and state agencies in the development and maintenance of a priority restoration list on all essential facilities and utilities.
- (f) In coordination with Emergency Services develop and participate in periodic exercises for the Public Works and Engineering Service.
- (g) Ensure all Public Works and Engineering personnel integrate NIMS principles in all planning. All Public Works and Engineering personnel will complete FEMA's NIMS Awareness course or an equivalent course.
- (h) Annually review the Department of Homeland Security Universal Task List and integrate tasks as appropriate.
- (i) Establish the operational needs for restoration of the Public Works and Engineering Services during the emergency.
- (j) Plan for the removal and clearance of storm debris, snow, ice and demolition of hazardous buildings and water and sewer missions.

2. General Manager, Darlington County Water and Sewer Authority:

- (a) In coordination with Emergency Services and the Fire District develop

policies for the conservation and use of potable and firefighting water.

- (b) In coordination with Resource Support, plan for the provision of water (potable and non-potable) in the affected areas of the county.
- (c) Develop an alerting list, to include points-of-contact and telephone numbers of agencies, municipalities and organizations supporting public works and engineering functions.
- (d) Develop and maintain listings of commercial and industrial suppliers of services and products, to include points-of-contact and telephone numbers associated with public works and engineering functions.

3. Director of Environmental Services:

- (a) Develop procedures for clearance of debris in an emergency.
- (b) Develop an alerting list, to include points-of-contact and telephone numbers of agencies, municipalities and organizations supporting public works and engineering functions.
- (c) Develop and maintain listings of commercial and industrial suppliers of services and products, to include points-of-contact and telephone numbers associated with public works and engineering functions.
- (d) Plan for the removal and clearance of storm debris.

B. Response Phase:

NOTE: All incidents in Darlington County will be managed using the National Incident Management System (NIMS) Incident Command System/Unified Command System.

1. Director, Roads and Bridges:

- (a) Upon notification from the Director of Emergency Services, activate the Public Works and Engineering Service.
- (b) Evaluate available information concerning the nature and extent of the disaster situation and establish a program based on priority lists, for the restoration of essential infrastructure.
- (c) In coordination with support agencies, Emergency Services and Damage Assessment, identify water and sewer restoration, debris management and engineering requirements as soon as possible.

- (d) Establish priorities to clear and repair roads, coordinate the restoration of water and sewer services and other essential engineering services.

2. Director of Environmental Services:

- (a) Coordinate with Animal Emergency Response and DHEC for the disposal of debris containing of or consisting of animal carcasses.
- (b) Coordinate with ESF-10 (Hazardous Materials) for advice and assistance regarding disposal of hazardous materials.

3. General Manager, Darlington Water and Sewer Authority:

- (a) Coordinate with the Fire Service for advice and assistance regarding water supply.
- (b) Advise the EOC of the status of wells and the sewage system.
- (c) Advise the EOC of the availability of potable and non-potable water.
- (d) Coordinate with the EOC to insure the complete restoration of the water and sewer system.

C. Recovery Phase:

- 1. Continue to direct Public Works and Engineering operations.
- 2. In coordination with the Emergency Services develop long-range recovery operations and establish priority of tasks to be accomplished.
- 3. Insure that the appropriate records are maintained to document time and costs incurred in the disaster.
- 4. Maintain coordination with all supporting agencies and organizations on operational priorities for emergency repair and restoration. Coordinate as needed for debris management operations on public and private property.

D. Mitigation Phase:

- 1. Support and plan for mitigation measures.
- 2. Document matters that may be needed for inclusion in emergency plans.

V. ADMINISTRATION AND LOGISTICS:

A. Administration

1. Public Works and Engineering Services will be coordinated through the EOC. Operations will be directed over the Public Works Radio Communications Net.
 2. The County EOC is located in the EMS Annex (adjacent to Law Enforcement Center), at 1625 Harry Byrd Hwy, Darlington, S.C.
 3. Initial Situation Reports: As soon as communications are established, the Coordinator of the Public Works and Engineering Service will submit a report to the EOC, which will include, but not be limited to the following:
 - a. Status of essential personnel of the service.
 - b. Availability of supplies and equipment.
 - c. Emergency tasks or operations underway and/or to be taken in accordance with previously established priority lists.
 - d. Immediate support and/or assistance required of any other county agency, private firm or state agency.
 2. Special Reports
 - a. Any significant change in status of the services capability to accomplish its mission will be reported immediately.
 - b. Report immediately any essential facility that cannot be repaired or restored in accordance with established priorities.
 - c. Report immediately any recommended changes to priority lists and the reason for the change.
 4. After Action Reports: An after action report will be submitted to the EOC upon request and will include, but not be limited to, the following:
 - a. Type and nature of service performed.
 - b. Forces involved (include municipalities, county, state, federal, and private).
 - c. Casualties.
 - d. Nature and extent of further assistance required.
- B. Logistics: Supplies, equipment and manpower organic to the Public Works and Engineering Service will be utilized to the fullest extent possible. Additional resources will be requested through the EOC.

C. Provide a laptop computer for ESF-3 staff use in the EOC for WEBEOC access.

VI. Annex review and maintenance: This annex (ESF) will be reviewed annually by the primary action agency, department or individual with changes submitted to the Emergency Services Department by November 30th of each year for inclusion into the EOP. Following exercises or actual events the annex will be reviewed to determine if changes are required. If no changes are required, the primary action agency, department or individual will certify to the Emergency Services Director that the annex has been reviewed and changes are not required.

VII. Coordinating Instructions: This annex is effective for planning upon receipt and execution upon order.