



EMERGENCY SUPPORT FUNCTION #3

PUBLIC WORKS AND ENGINEERING ANNEX

PRIMARY AGENCY:

State: Department of Transportation

SUPPORT AGENCIES:

State: Corporation Commission
Division of Emergency Management
Department of Environmental Quality
National Guard
Department of Water Resources

Private: Associated General Contractors of Arizona

I. INTRODUCTION

A. Purpose

Provide public works and engineering support to state agencies and local government.

B. Scope

1. Technical advice and evaluations, engineering services, construction management and inspection, emergency contracting, emergency repair of wastewater and solid waste facilities and real estate support.
2. Activities within this ESF include:
 - a. Emergency flood fighting operations.
 - b. Emergency debris clearance for reconnaissance of damage areas and passage of emergency personnel and equipment.
 - c. Identification of emergency landfill areas for debris disposal.
 - d. Temporary construction of emergency access routes which include damaged streets, roads, bridges, airfields and any other facilities necessary for passage of rescue personnel.

- e. 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.
- f. Emergency demolition or stabilization of damaged structures and facilities designated by state or local government as immediate hazards to the public health and safety.
- g. Temporary protective measures to abate immediate hazards to the public for health and safety reasons until demolition is accomplished.
- h. Technical assistance and damage assessment, including structural inspection.

II. SITUATION AND ASSUMPTIONS

- A.** A disaster may cause unprecedented property damage. Structures will be destroyed or severely weakened. Homes, public buildings, bridges and other facilities will have to be reinforced or demolished to ensure safety. Debris will make streets and highways impassable. Public utilities will be damaged and may be partially or fully inoperable. Equipment in the immediate disaster area may be damaged or inaccessible. Sufficient resources may not be available to meet emergency requirements. State assistance may be required to identify and deploy resources from outside the affected area to ensure a timely, efficient and effective response. Existing landfills may be overwhelmed by debris and need to be augmented by areas predesignated for clean debris disposal.
- B.** Assistance may be needed to clear debris, do damage assessment and 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.
- C.** Access to the disaster areas will be dependent upon the reestablishment of ground routes. In many locations, debris clearance and emergency road repairs will be given top priority to support immediate lifesaving emergency response activities.
- D.** Rapid damage assessment of the disaster area will be required to determine potential work loads.
- E.** Emergency environmental waivers and legal clearances will be needed for disposal of materials from debris clearance and demolition activities.
- F.** Personnel with engineering and construction skills, and construction equipment and materials will be required from outside the disaster area.
- G.** Reevaluation of previously assessed structures and damages may be required.

III. CONCEPT OF OPERATIONS

- A. Upon request from local government and when the Governor has proclaimed a State of Emergency, the Director, ADEM, will activate the SEOC. The Director, Department of Transportation (ADOT), or his/her designee, will respond to the SEOC and provide public works and engineering support to the affected area.
- B. The SEOC will coordinate state resources to assist local government in emergency work and identify resources that could assist local utilities in emergency restoration.
- C. Should the combined resources of local, state and private agencies prove inadequate, the Director, ADEM, will, through the Governor, request federal activation of ESF#3 of the Federal Response Plan.

IV. ORGANIZATIONAL ROLES AND RESPONSIBILITIES

A. ADOT will:

- 1. Provide personnel, equipment, supplies and other resources to assist in emergency operations such as repairing roads, bridges, debris removal, flood fighting and other related tasks.
- 2. Provide engineering support to conduct Preliminary Damage Assessments (PDAs) and prepare Damage Survey Reports (DSRs).
- 3. Training for personnel selected to assist with the PDAs and DSRs will be provided by the ADEM before dispatch to the disaster area.

B. The Corporation Commission (ACC) will:

- 1. Assume the role of the coordinator for utility restoration; and
- 2. Provide advice and recommendations to the SEOC on utility services.

C. ADEM will:

- 1. Establish procedures for documenting expenditures; and
- 2. Identify state and private resources, including those of the Associated General Contractors of Arizona (AGCA).

D. The Department of Environmental Quality (ADEQ) will:

- 1. Provide personnel to assist in damage assessment of water systems and waste water systems and determine necessary emergency repairs.

2. Assist in locating suitable debris disposal sites and provide guidance on areas affected by hazardous materials (See ESF #10).
3. Issue emergency environmental waivers and legal clearances for disposal of materials from debris clearance and demolition activities.

E. National Guard will provide personnel, supplies, transportation and equipment.

F. The Department of Water Resources (ADWR) will provide technical engineering expertise in determining emergency operations required for irrigation, flood control facilities, dam safety, drainage channels and other related areas.

V. ADMINISTRATION AND LOGISTICS

A. ACC will:

1. Assist utilities in developing or improving emergency procedures;
2. Identify areas of assistance that can be provided to utilities;
3. Maintain a listing of emergency coordinators from each regulated monopoly utility in the state;
4. Keep the Director, ADEM, advised on the status of utility services; and
5. Provide advice to local jurisdictions concerning utilities restoration and assistance.

B. ADOT will:

1. Identify operating personnel and equipment including any contract agreements with other resources.
2. Prepare procedures for documenting expenses (see State Disaster Assistance Guide).

VI. PLAN DEVELOPMENT AND MAINTENANCE

This ESF and related SOPs will be maintained jointly by ADOT and ADEM in coordination with other tasked state agencies.