ANNEX B-5

CONSTRUCTION & ENGINEERING BRANCH

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1 This Annex is supplemented by appropriate procedures in Part 3 - EOC Procedures Manual.

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ANNEX B-5

CONSTRUCTION & ENGINEERING BRANCH

MANAGEMENT

EOC Director
Fire/Law
EOC Deputy Director

Legal Advisor
County Counsel

Policy Advisor/Liaison
CAO

Agency Representative(s)

Safety Officers
County Safety Officer

Public Information Officer
Fire PIO

OPERATIONS

Sheriff or Fire Staff

Law & Coroner
Sheriff/Coroner

Fire, Rescue & HazMat
Fire Dept. Staff

PLANNING/INTELLIGENCE

Emg Svcs Mgr

LOGISTICS

Ass’t CAO, General Svcs

FINANCE/ADMINISTRATION

Budget Director

HEALTH & MEDICAL

EMS
DPH
EHS
MHS

Care & Shelter
Animal Care
Human Services
Red Cross
Salvation Army

Const. & Eng
ESS, Roads

Debris Management
Waste Mgmt Staff

Figure B-5-1 EOC Operations Section
1.0 PURPOSE

The Construction & Engineering Branch in the EOC Operations Section, coordinates the countywide allocation and deployment of Resources Management Agency (RMA) resources (personnel, equipment, materials, services) and private contractors to conduct Windshield Surveys, Rapid Safety Assessments, Detailed Safety Assessments, and Engineering Evaluations of roads, highways, bridges, over/underpasses, tunnels and critical facilities and structures; establishes and maintains a communications link with the Resources Management Agency (RMA) Department Operations Center (DOC); reviews status, damage and situation reports from the RMA DOC; determines strategies and priorities for disaster route recovery and emergency repair and restoration of critical facilities and structures; confers with the Debris Management Branch on debris clearance strategies and priorities; establishes communications link with utilities to determine restoration schedules and to coordinate restoration activities if necessary; and conducts flood fighting operations, when necessary.

2.0 STAFFING

The EOC Director determines the extent to which the EOC will be activated and staffed at the time of the incident. The Operations Section Chief decides which Section functions to activate. The Construction & Engineering Branch will usually be activated following an emergency incident that results in flooding and/or damages to streets, roadways, facilities and/or structures.

This function is staffed by a Branch Coordinator and functional support staff as deemed necessary by the Branch Coordinator. Local private contractors and several state and federal agencies may also provide specific support under certain conditions.

3.0 DUTIES

The Construction & Engineering Branch Coordinator, who reports to the Operations Section Chief, oversees and coordinates all Branch activities and is responsible to:

- Advise the RMA DOC on the deployment of Roads, Engineering & Survey Services and Building Inspection field units to conduct Windshield Surveys and Rapid Safety Assessments.
- Compile status and damage reports from the DOC and forward copies to the Planning /Intelligence Section Situation Status Unit.
- Identify essential County facilities and structures that require Detailed Safety Assessments and assign Damage Assessment Teams (DATs) to conduct the assessments.
- Support the Debris Management Branch in clearing debris from essential routes.
- In consult with the other Operations Section Branch Coordinators and Planning Section staff:
  - Identify essential routes that require debris clearance, and advise the Debris Management Branch Coordinator.
  - Identify essential County structures that require evacuation and advise the Logistics Section on the need for alternate facilities.
  - Establish priorities for detailed damage assessments, engineering evaluations, emergency repairs and restoration of damaged County facilities and structures and assign appropriate County staff and private contractors to implement assessments and
repairs as indicated.

- Coordinate flood fighting efforts when necessary.
- Prepare and maintain current lists of private contractors and firms, suppliers, equipment rental companies and other resources that may be needed at the time of an emergency or disaster

### 4.0 CONCEPT OF OPERATIONS

#### 4.1 Preparedness

Preparedness actions allow staff to prepare for disaster operations, become familiar with the contents of this plan, develop and update procedures and resource lists and participate in training, drills and exercises. The preparedness duties of the assigned Construction & Engineering Branch Coordinator include:

- Participate in regular meetings of the Emergency Operations Center (EOC) staff to maintain familiarity with the role and responsibilities of the assigned EOC function and to discuss emergency management issues.
- Review the EOP, applicable department plans, standard operating procedures (SOPs), and the materials contained in this annex. Submit recommended revisions, updates and enhancements to this annex to the Kern County Office of Emergency Services (OES).
- Develop any additional information to be incorporated into the assigned annex and submit to County OES.
- Participate in training, exercises and post-exercise critiques conducted by County OES.
- Prepare a list of facilities and structures required to support emergency operations and prioritize for damage assessment and repairs.
- Prepare and maintain current equipment inventories and resource (e.g., private contractors, engineers, draftsmen, etc.) contact lists.
- Incorporate an emergency response requirement in all contracts with equipment vendors and service providers.
- Negotiate agreements with private firms and individuals to ensure availability and response in the event of a major emergency or disaster.

#### 4.2 Initial Response

Specific activities to be performed by the Construction & Engineering Branch Coordinator are listed in Attachment B-5-1 to this annex. The Branch Coordinator is responsible to:

- Report to the EOC and obtain a briefing from the Operations Section Chief.
- Initiate and maintain a function log.
  - Implement activities outlined in the checklist contained in Attachment B-5-1.
- Identify the key routes, facilities and structures to be assessed for damages and advise DOC.
- Determine strategies and priorities for disaster route recovery and emergency repair and restoration of critical facilities and structures.
- Provide resource support to the Debris Management Branch in clearing debris from priority routes.

4.3 Extended Operations

- Coordinate the allocation of available resources to conduct priority route recovery and restoration of essential facilities on a countywide basis.
- Consult with the Operations Section Chief regarding any unresolved conflicts.
- Participate in regular Section briefings and provide input to the EOC Action Plan.
- Track all activities and major decisions in function log.
- Continue communications and coordination link with utilities to facilitate restoration.

4.4 Post-Emergency

Priorities during this period will focus on operations such as the restoration of roads, bridges, essential services and long-term reconstruction.

5.0 COORDINATION AMONG EMO LEVELS

The Standardized Emergency Management System (SEMS) on the state level and the National Incident Management System (NIMS) on the national level, both based on the nationally-recognized and -utilized Incident Command System (ICS), provide a standard emergency response system and organization that enhances the ability of all levels of government to work together in a coordinated manner. In California, NIMS elements have been incorporated into SEMS, and Government Code (CGC) § 8607 requires all local public agencies (cities, special districts, and counties) to use SEMS at the scene of multi-agency emergencies, in Department Operations Centers (DOCs) and in the EOC.

In a major emergency, the County/OA EOC serves as the central point for coordination and communication among all local response levels, including cities', special districts' and school districts' EOCs, County DOCs, the Inland REOC, and through the REOC, with state and federal agencies. At each response level, the same five major ICS management functions are employed to facilitate interagency communication and coordination - Command in the field and Management in the DOC and EOC, Operations, Planning/Intelligence, Logistics, and Finance/Administration.

5.1 City and Special District Level

Cities, special districts and school districts within Kern County’s boundaries may contact the County/OA EOC for information and/or to request assistance. Such requests are typically submitted via the County/OA EOC Liaison, or directly to the corresponding EOC Section (e.g., City EOC Operations Section to County/OA Operations Section). The Kern County/OA EOC Liaison serves as the initial point of contact for these and other external
agencies. The Liaison refers requests for mutual aid to the appropriate discipline (e.g., law, fire, etc.). Cities and special districts are asked to submit RIMS Major Incident Reports and Situation Reports to the County/OA EOC on an agreed upon schedule. In some cases, these reports will be submitted via RIMS to the County/OA EOC Planning/Intelligence Section; in other cases, verbal or facsimile reports will be submitted by the city or district EOC Director or Liaison to the County/OA EOC Director or Liaison.

5.2 Field Response Level

5.2.1 INCIDENT COMMAND

At the field level, the various response disciplines and agencies coordinate their response efforts as part of an integrated Incident Command System (ICS) organization. The Incident Commander (IC) reports status to and requests resources from the County/OA EOC Operations Section directly, or through a Dispatch Center or a DOC, which is organized around the same five SEMS management functions as the EOC.

5.2.2 AREA COMMAND

An Area Command may be established between multiple Incident Command Posts (ICPs) and the County/OA EOC. The Area Commander reports to and requests assistance from the EOC Operations Section Chief, on behalf of each ICP.

For incidents in which both the County and a city or special district have primary responsibility for some aspect of the response, a Unified Area Command would be established to oversee incidents in general proximity to each other. The Unified Area Commander coordinates with the County/OA EOC Operations Section Chief.

5.3 Department Operations Center Level

The activities of most, if not all, County field response units is overseen and coordinated by discipline-specific Department Operations Centers (DOCs). The DOCs support their field units and coordinate and communicate with the County/OA EOC via their respective representatives (e.g., Branch Coordinators) in the EOC Operations Section.

5.4 Operational Area Level

In accordance with Kern County Code, Chapter 2.66, Kern County and its political subdivisions (cities and special districts) become an Operational Area (OA) for emergency response purposes during multi-agency disaster events. The Kern County/OA EOC coordinates emergency operations and manages resources throughout the county, and serves as a communication and coordination link between all public agencies in the county and the State Regional EOC (REOC). In accordance with state and local EOEs, the County/OA EOC submits regular situation reports and requests for support and resources not available within the County/OA to the appropriate Regional Mutual Aid Coordinator or to the Inland Region EOC (REOC).

The County/Operational Area Construction & Engineering Branch Coordinator will have overall responsibility for coordinating countywide construction and engineering resources and will provide relevant information and submit all requests for support to the Mutual Aid Region Construction & Engineering Coordinator.
SEMS LEVELS OF RESPONSE

State

Region

Operational Area

Local Government

Field

State

State Region EOC (REOC)

Kern Co. OA EOC

DOCs
- SO
- FD
- EMS
- DPH

Kern County Emergency Response Teams
- Law
- Fire
- Haz Mat
- EMS
- Environmental Health
- Public Health
- Resource Management Agency
- Mental Health

City/Special District EOCs

City/Special District ERTs

Figure B-5-2 Kern County SEMS Organization

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5.5 Regional Level

Kern County is within the State Office of Emergency Services (OES) Inland Administrative Region and Mutual Aid Region V. During incidents in which a Local Emergency or State of Emergency has been proclaimed in Kern County, the Inland Region activates an REOC to coordinate response by regional mutual aid resources. The County/OA EOC submits status and situation reports to the REOC and Operational Area Mutual Aid Coordinators request regional mutual aid from Regional Mutual Aid Coordinators or the REOC.

5.6 State and Federal Levels

Under certain conditions, such as major floods, oil spills, aircraft accidents, etc., state and/or federal agencies may deploy field response units to incidents in Kern County. At the field level, state and federal units may be found in any ICS section, branch or unit, or as part of a Unified Command (UC) structure. Reporting and coordination with the County/OA EOC follows the usual Field Level response. (It should be noted that military assets remain under the direction and control of the military at all times.)

Depending upon the nature and scope of the incident, the level of Emergency/Disaster proclaimed, and the need for multi-agency coordination, State OES and/or the Federal Emergency Management Agency (FEMA) may assign representatives to report to the County/OA EOC to provide a direct coordination and communication link. These representatives will be assigned to the Agency Representative function in the EOC Management Section.

5.7 Private and Voluntary Agencies

Private contractors and firms support specific government operations on a daily basis. During disasters, their support is often essential to an effective emergency response.

Voluntary agencies play an important role in responding to disasters of all types and levels. The agencies most involved with emergency response in Kern County are the American Red Cross (ARC), Salvation Army (SA) and Radio Amateur Civil Emergency Services (RACES). Each of these agencies responds on a countywide basis and each has a representative assigned to the Kern County/OA EOC to provide direct communications and coordination. The ARC and SA support the Care & Shelter Branch in the Operations Section and RACES supports the Communications and Information Technology Unit in the Logistics Section.

Another community-based organization (CBO) – Volunteer Organizations Active in Disasters (VOAD) – serves as the point of contact with numerous other local CBOs and provides assistance as requested by the Volunteer Coordinator in the Logistics Section.

6.0 POLICIES AND PROCEDURES

6.1 General Emergency Operations

- Field operations will be organized and conducted using the Incident Command System (ICS).
- Kern County emergency management operations shall be organized and conducted
consistent with the Standardized Emergency Management System (SEMS) and the National Incident Management System (NIMS).

- When the Operational Area level of the Kern County EMO is activated, the County EOC Director will function as the Operational Area Manager and will have overall responsibility for coordinating the emergency operations of all local jurisdictions, including cities, special districts, and the county.

- Operational Area-wide emergency response priorities will be established by the EOC Director, according to the following:
  
  o Actions required to protect life safety (e.g., evacuation, medical care, shelter, etc.) will receive the highest priority for available resources.
  
  o Temporary restoration of facilities essential for health, safety and welfare, whether publicly or privately owned, will receive second priority for available resources (e.g., water, sanitation, power, transportation routes).
  
  o Addressing rehabilitation needs for temporary housing, food stamps, employment, etc. will receive third priority for available resources.

- All on-duty employees are expected to remain on duty until properly relieved. Off-duty personnel are expected to report to work consistent with this plan and department assignments.

- Employees with pre-established emergency assignments will report to a pre-designated reporting location for the assigned shift. Those without emergency assignments will report to the usual work location for the next normally scheduled shift. If unable to reach the assigned location, employees will report to the closest local jurisdiction and attempt to contact the work supervisor to report status.

- Depending on the scope of the emergency and its impact on County operations, all EOC staff may be placed on 12-hour work shifts. Normal work shifts may resume when conditions warrant.

6.2 Post-Event Inspection of Facilities and Structures

The post-event inspection of facilities and structures to determine serviceability will be conducted by the Building Inspection Division of the Kern County Engineering and Survey Services Department. Additional assistance may be implemented in accordance with the Damage Assessment Plan for Volunteer Engineers and the Damage Assessment Plan for California Building Officials (published and issued separately by the State Office of Emergency Services).

Priority will be given to conducting the assessments necessary to support emergency operations, followed by assessment of proposed shelter facilities.

6.3 Route Recovery

- Field employees of governmental agencies will survey damage to freeways, roads and streets in their vicinity and report information to their appropriate headquarters.

- Priorities will be given to:
- A quick assessment of damage to highways, roads and streets, airport runways and immediate ingress/egress needs.
- The identification, establishment and operation of alternate routes.
- The reestablishment of service on essential highways, roads and streets.
- Facilitating the earliest possible recovery.

7.0 SUPPORTING ORGANIZATIONS

7.1 State

The State Construction & Engineering Coordinator has overall responsibility for coordinating statewide construction and engineering operations and resources. The State agencies listed here have varied capabilities and responsibilities for providing or coordinating support.

7.1.1 CALIFORNIA CONSERVATION CORPS

- Provides personnel to support emergency debris clearance operations.
- Provides work crews for flood fighting and other related support.

7.1.2 CALIFORNIA HIGHWAY PATROL

- Assesses damage to streets and highways.
- Closes dangerous routes.
- Removes obstructing vehicles.
- Implements strict traffic control into and around impacted areas.
- Assists CalTrans with route recovery priorities.

7.1.3 DEPARTMENT OF GENERAL SERVICES (OFFICE OF THE STATE ARCHITECT)

- Responsible for clearance of debris from state-owned buildings, sewers and water systems.

7.1.4 DEPARTMENT OF TRANSPORTATION (CALTRANS)

- Assesses damage to State highways.
- Establishes route recovery priorities.
- Removes debris.
- Makes repairs and establishes detours to restore highway transportation on selected routes.
- Assists local agencies, as required.
• Assists the California Highway Patrol with traffic regulation.

7.1.5 DEPARTMENT OF WATER RESOURCES

• Provides flood protection, flood control and flood fighting services and related support.
• Removes debris from and continues to operate the state's flood control works and the State Water Project.

7.1.6 MILITARY DEPARTMENT

• When directed by the Governor, provides assistance in emergency clearance of debris and rubble from roadways, bridges and other essential facilities.

7.1.7 OFFICE OF EMERGENCY SERVICES

• Coordinates debris clearance performed by State agencies.
• Provides guidance to local jurisdictions and State agencies in the preparation and submission of applications for Federal grants for emergency debris clearance.
• Receives, processes and forwards applications for the Federal grants for cost of debris clearance.
• Coordinates "Volunteer Structural Engineer" program

7.1.8 OTHER STATE AGENCIES

• Provides for the clearance of debris or rubble to alleviate damage or destruction to State facilities under their jurisdiction.

7.2 Federal

7.2.1 U.S. ARMY CORPS OF ENGINEERS

• Assists in flood emergency preparation, flood fighting and rescue operations and flood control.
• Assists with emergency debris clearance, demolition and emergency repair or replacement of roads.

7.3 Private Sector

• The Associated General Contractors (AGC) of America and the Engineering and Grading Contractors Association (EGCA) are directly available to any legally constituted authority or authorities, undertaking emergency operations.
• The Structural Engineers Association of California (SEAOC) has a large number of volunteers who may be made available to support governmental efforts directed towards damage assessment and determining the serviceability of damaged
buildings. Through the Association, other types of engineers (civil, mechanical, electrical, safety, etc.) may be obtained.

- The Concrete Sawing and Drilling Association of California (CSDAC) may provide assistance in heavy-duty rescue operations.
ATTACHMENT B-5-1

CONSTRUCTION & ENGINEERING BRANCH COORDINATOR

EMERGENCY ACTION CHECKLIST

Initial Response

☐ Report to EOC, check-in and obtain briefing from the Operations Section Chief:
  - Magnitude and scope of event
  - Area(s) of County impacted
  - Current situation and priorities
  - Actions taken
  - Existing or anticipated problems/issues

☐ Establish and maintain a communications link with the Resources Management Agency (RMA) Department Operations Center (DOC) Coordinator:
  - Exchange briefing information
  - Establish a schedule for regular status reports
  - Identify available resources

☐ Assign and brief incoming staff on the following:
  - Current situation assessment
  - Specific job responsibilities
  - Co-workers within the job function and/or geographical assignment
  - Availability of communications
  - Location of work area
  - Eating and sleeping arrangements as appropriate
  - Procedure for obtaining additional supplies, services and personnel
  - Work shifts
  - Current operational period

☐ Initiate and maintain a function log. Record the following:
  - By date and time, note arrival time, decisions made, positions activated, personnel assigned to report to the Construction & Engineering Branch Coordinator, directions given, and actions taken.
  - Information to be shared with other EOC functions
  - Items that require follow-up
  - Information/data needed for recovery operations
  - Issues that involve potential liability
  - Section personnel, time on duty, and assignment

☐ Compile status, damage and situation reports from DOC, confer regarding priorities for damage surveys, and identify any assistance needed. Request or arrange for assistance as necessary.

☐ Determine and document the status of transportation routes into and within the affected areas.

☐ From Planning/Intelligence Section, review major incident reports and additional operational
information that may pertain to or affect Construction & Engineering Branch operations. Share this information with DOC, other Operations Branches, cities and special districts, as indicated.

- Based on the initial EOC Action Plan, and in concert with the DOC, prepare objectives, assignments and schedule for the Construction & Engineering Branch. Advise Operations and Planning Section Chiefs.

- Survey all utility systems to identify systems that have been disrupted. And anticipated restoration schedule.

- Confer with the Operations Section Chief regarding utilities status and to determine if a representative from one or more utilities should respond to the County/OA. EOC to establish a direct communications and coordination link. Advise utility(ies) if decision.

- Advise DOC and Planning Section Situation Status Unit of utility status and restoration schedule.

- Compile damage survey findings on all critical public and private facilities and structures from DOC, and establish emergency repair and restoration priorities and schedule for public facilities.

**Extended Operations**

- Share information with other Sections, Branches and Units as needed.

- Compile requests for assistance from cities and special districts and confer with the DOC regarding the availability of the required resources. Submit a request for the necessary resources to the Regional Construction & Engineering Mutual Aid Coordinator.

- Advise requesting party of the estimated time of arrival (ETA) of requested resource.

- Ensure that copies of all status and damage reports are forwarded to the Planning Section.

- Provide support to the Debris Management Branch as requested.

- Provide the Operations Section Manager and the Plans/Intelligence Section with an overall summary of Construction & Engineering Branch operations periodically during the operational period or as requested.

- Ensure that all Utilities and Construction/Engineering Status Reports, as well as the Initial Damage Estimation, are completed and maintained on the Response Information Management System (RIMS).

- Refer all contacts with the media to the County/OA Public Information Officer (PIO).

- Ensure that all fiscal and administrative requirements are coordinated through the Construction/Engineering DOC.

- Prepare objectives for the Construction/Engineering Branch Coordinator for the subsequent operational period and submit to the Operations Section Chief prior to the end of the shift and the next action planning meeting.

- Provide your relief with a briefing at shift change, informing them of all ongoing activities, Branch objectives for the next operational period, and any other pertinent information.
Post Emergency

- Assign staff to assist at Local Assistance Center(s) (LAC), and Disaster Recovery Center (DRC) if necessary.
- Provide Logistics Section Supply Staff with a list of supplies to be replenished.
- Submit log and other emergency-related documentation to Planning/Intelligence Section Documentation Unit.
- Submit Expenditure Tracking and Timekeeping forms to Finance/Administration Section.
- Participate in post-emergency debriefing and critique session.
- Participate in After Action Report and Corrective Action Plan meetings.
- Revise and update emergency plans and procedures to reflect lessons learned from the incident.
ATTACHMENT B-5-2

CONSTRUCTION AND ENGINEERING

HAZARD-SPECIFIC RESPONSES

This Attachment includes Emergency Action Checklists to be utilized as appropriate in response to the events listed below. There is no significance in the order of checklist items since many actions will have to be accomplished concurrently.

B-5-2-a - Response to a Major Earthquake
B-5-2-b - Response to Hazardous Material Incident
B-5-2-c - Response to Imminent/Actual Flooding
B-5-2-d - Response to Imminent/Actual Dam Failure
**ATTACHMENT B-5-2-a**

**CONSTRUCTION & ENGINEERING**

**RESPONSE TO A MAJOR EARTHQUAKE**

<table>
<thead>
<tr>
<th>ASSIGNED ACTION</th>
<th>RESPONSIBILITY</th>
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<tbody>
<tr>
<td>Dispatch units to survey for damage due to fires, landslides and other effects.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Identify hazardous materials contained in debris.</td>
<td>Environmental Health Services Dept.</td>
</tr>
<tr>
<td>Dispatch team to check dam(s).</td>
<td>Engineering &amp; Survey Services Dept.</td>
</tr>
<tr>
<td>Check public and private facilities to determine the extent of damage and ability to operate.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Check County owned Road Facilities and Yards for damage and ability to operate.</td>
<td>Roads Department</td>
</tr>
<tr>
<td>Assure that equipment under cover has been moved to open areas to prevent damage in the event of aftershocks.</td>
<td>All Departments</td>
</tr>
</tbody>
</table>

**IF LITTLE OR NO DAMAGE IS REPORTED, PREPARE TO SUPPORT MORE HEAVILY DAMAGED JURISDICTIONS.**

**IF EXTENSIVE DAMAGE IS REPORTED, TAKE THE FOLLOWING ACTIONS AS APPROPRIATE.**

<p>| Mobilize personnel, heavy equipment and vehicles at designated Multipurpose Staging Areas. | All Departments |
| Mobilize hazardous materials personnel to identify hazardous material in debris. | Environmental Health Services Dept. |
| Mobilize debris estimators to estimate volume of debris to be cleared and transported for disposal. | Waste Management Department |
| Determine priorities for construction and engineering activities. | Engineering &amp; Survey Services Dept. Roads Department |</p>
<table>
<thead>
<tr>
<th>ACTION</th>
<th>RESPONSIBILITY</th>
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</thead>
<tbody>
<tr>
<td>Allocate Agency personnel and equipment in accordance with established priorities.</td>
<td>Resource Management Agency</td>
</tr>
<tr>
<td>Organize heavy equipment crews to assist in rescue of trapped people.</td>
<td>Fire Department</td>
</tr>
<tr>
<td>Organize crews to clear debris which hampers emergency response activities.</td>
<td>Roads Department</td>
</tr>
<tr>
<td>Provide barricades for traffic and access controls.</td>
<td>Roads Department</td>
</tr>
<tr>
<td>Assign engineering teams to determine capacity and safety of County maintained bridges, underpasses and roadways.</td>
<td>Roads Department</td>
</tr>
<tr>
<td>Assign teams to inspect buildings and structures critical to emergency operations and public safety.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Advise evacuation of hazardous structures.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Cordon-off areas around hazardous structures.</td>
<td>Sheriff's Department</td>
</tr>
<tr>
<td>Construct detours and alternate routes according to plans.</td>
<td>Fire Department</td>
</tr>
<tr>
<td>Repair damage to essential County routes.</td>
<td>Roads Department</td>
</tr>
<tr>
<td>Coordinate with utilities on repair efforts.</td>
<td>Roads Department</td>
</tr>
<tr>
<td>Determine need for clearing debris from waterways to prevent flooding.</td>
<td>Engineering &amp; Survey Services Dept.</td>
</tr>
<tr>
<td>Assist in the removal and tagging of dead persons, as requested.</td>
<td>Sheriff/Coroner</td>
</tr>
<tr>
<td>Provide information to Kern County Public Information Officer.</td>
<td>All Departments</td>
</tr>
</tbody>
</table>
## ATTACHMENT B-5-2-b

### CONSTRUCTION & ENGINEERING

**RESPONSE TO HAZARDOUS MATERIAL INCIDENT**

<table>
<thead>
<tr>
<th>ASSIGNED ACTION</th>
<th>RESPONSIBILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with Incident Commander to determine construction and engineering requirements.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Mobilize hazardous materials personnel to identify hazardous material in debris prior to removal.</td>
<td>Environmental Health Services Dept.</td>
</tr>
<tr>
<td>Provide heavy equipment and crews to support hazardous material team as requested.</td>
<td>Incident Commander</td>
</tr>
<tr>
<td>Ensure that personnel have adequate protective clothing for operations in hazardous areas.</td>
<td>Incident Commander</td>
</tr>
<tr>
<td></td>
<td>Fire Safety Officer</td>
</tr>
</tbody>
</table>
ATTACHMENT B-5-2-c

CONSTRUCTION & ENGINEERING

RESPONSE TO IMMINENT/ACTUAL FLOODING

FLOODING EXPECTED

<table>
<thead>
<tr>
<th>ASSIGNED ACTION</th>
<th>RESPONSIBILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobilize work crews for flood fighting operations.</td>
<td>General Services Division</td>
</tr>
<tr>
<td>Estimate sandbag requirements and procure needed supplies.</td>
<td>General Services Division</td>
</tr>
<tr>
<td>Coordinate sandbagging and levee reinforcement.</td>
<td>General Services Division</td>
</tr>
<tr>
<td>Coordinate debris clearance from channels to prevent backups.</td>
<td>Engineering &amp; Survey Services Dept.</td>
</tr>
<tr>
<td>Place damage assessment teams on standby.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Establish and test communications net.</td>
<td>Communication Division</td>
</tr>
<tr>
<td>Move construction equipment to high ground.</td>
<td>All Departments</td>
</tr>
<tr>
<td>Provide barricades for traffic and access controls.</td>
<td>Roads Department General Services Division</td>
</tr>
</tbody>
</table>

FLOODING OCCURS

<table>
<thead>
<tr>
<th>ASSIGN ACTION</th>
<th>RESPONSIBILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispatch damage assessment teams to flooded areas.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Continue sandbagging efforts as feasible.</td>
<td>General Services Division</td>
</tr>
<tr>
<td>Provide barricades for access control.</td>
<td>Roads Department General Services Division</td>
</tr>
<tr>
<td>Coordinate for the distribution of potable water where needed.</td>
<td>Environmental Health Services Dept.</td>
</tr>
<tr>
<td>Provide heavy equipment crews to assist in rescuing trapped persons from structures.</td>
<td>Fire Department</td>
</tr>
<tr>
<td>ACTION</td>
<td>RESPONSIBILITY</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Allocate Agency personnel and material required to support emergency operations.</td>
<td>Resource Management Agency</td>
</tr>
<tr>
<td>When floodwater recedes, inspect structures for hazards.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Organize crews to clear debris which hampers emergency response activities.</td>
<td>Roads Department</td>
</tr>
<tr>
<td></td>
<td>Waste Management Department</td>
</tr>
</tbody>
</table>
ATTACHMENT B-5-2-d

CONSTRUCTION & ENGINEERING

RESPONSE TO IMMINENT/ACTUAL DAM FAILURE

DAM FAILURE IMMINENT

<table>
<thead>
<tr>
<th>ASSIGNED ACTION</th>
<th>RESPONSIBILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coordinate efforts to reinforce dam as feasible.</td>
<td>Engineering &amp; Survey Services Dept.</td>
</tr>
<tr>
<td>Monitor status of dam and report any changes.</td>
<td>Engineering &amp; Survey Services Dept.</td>
</tr>
<tr>
<td>Place damage assessment teams on standby.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Establish and test communications net.</td>
<td>Communications Division</td>
</tr>
<tr>
<td>Move construction equipment to high ground.</td>
<td>All Departments</td>
</tr>
<tr>
<td>Provide barricades for traffic and access controls.</td>
<td>Roads Department General Services Division</td>
</tr>
</tbody>
</table>

DAM FAILURE OCCURS

<table>
<thead>
<tr>
<th>ASSIGN ACTION</th>
<th>RESPONSIBILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispatch damage assessment teams to flooded areas.</td>
<td>Building Inspection Division</td>
</tr>
<tr>
<td>Dispatch debris estimators to flooded areas.</td>
<td>Waste Management Department</td>
</tr>
<tr>
<td>Dispatch personnel to identify potential health risks.</td>
<td>Department of Public Health Environmental Health Services Dept</td>
</tr>
<tr>
<td>Coordinate debris clearance as situation permits.</td>
<td>Waste Management Department</td>
</tr>
<tr>
<td>Provide barricades for access control.</td>
<td>Roads Department General Services Division</td>
</tr>
<tr>
<td>Coordinate for the distribution of potable water.</td>
<td>Environmental Health Services Dept.</td>
</tr>
<tr>
<td>ASSIGNED ACTION</td>
<td>RESPONSIBILITY</td>
</tr>
<tr>
<td>-----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Coordinate obtaining vehicles for hauling of emergency water.</td>
<td>Environmental Health Services Dept.</td>
</tr>
<tr>
<td>Provide heavy equipment crews to assist in rescuing trapped persons from structures.</td>
<td>Fire Department</td>
</tr>
<tr>
<td>Allocate Agency personnel and material required to support emergency operations.</td>
<td>Resource Management Agency</td>
</tr>
<tr>
<td>When floodwaters recede inspect structures for hazards.</td>
<td>Building Inspection Division</td>
</tr>
</tbody>
</table>