

DAMAGE ASSESSMENT AND REPAIR TEAM - SEWER MAINS

DESCRIPTION	This team assesses and repairs all types of wastewater mains.		
RESOURCE CATEGORY	Public Works	RESOURCE KIND	Team with personnel and equipment components.
OVERALL FUNCTION	This team is responsible for the assessment and repair of all types of wastewater collection, storm water collection, and reclaim water distribution facilities. This includes gravity mains, force mains, aerial mains, manholes, and excavation through backfill. Excluded are pump repairs.	COMPOSITION AND ORDERING SPECIFICATIONS	<p>Requestor should specify facilities in which repair expertise is needed, specific main materials and size ranges in need of repair, typical depth of facilities and soil conditions, and any materials that should be provided by the responders.</p> <p>Requestor will provide plans showing main locations and coordinate notification of "call-before-you dig" service used in region.</p> <p>Requestor and responding utility will coordinate traffic control considerations.</p> <p>Requestor or others will provide pipe.</p> <p>Specific types of facilities in need of assessment and repair:</p> <p>_____</p> <p>Main sizes and materials: _____</p> <p>Typical depth range: _____</p> <p>Soil conditions: _____</p> <p>Ordering Specifications: Security requirements should be determined by the requesting agency based upon actual field conditions and/or intelligence, and provided to responding team.</p>

RESOURCE TYPES			TYPE 1	NO TYPE 2	NO TYPE 3	NO TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Personnel	Hours of operation per shift		12 Hours	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			
Personnel	Duration of self-sustained operation		72 hours	Not Applicable	Not Applicable	Not Applicable
			NOTES: The requestor will provide support to the team, such as security, fuel, recharging for phones, batteries, power for computers, etc.			



RESOURCE TYPES			TYPE 1	NO TYPE 2	NO TYPE 3	NO TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Personnel	Positions per team		Total = 8 1 Team leader 1 Excavator operator 1 Backhoe-loader operator 2 Tandem dump truck drivers 1 Lead repair technician 2 Repair technicians	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			
Equipment	Duration of sustained operation		Up to 14 days	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			
Equipment (Communications)	Quantity and kind per team based on mission assignments		Cell phones Portable radios Satellite phone	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			
Equipment (Vehicle and Specialized Equipment)	Number and kind of per team		1 Large track excavator 1 Backhoe-loader 2 Tandem dump trucks 1 Team/equipment truck with boom 1 Supervisor's light truck 1 Tow truck Necessary pneumatic and hand tools for sewer main repair Other equipment and supplies as needed based on ordering specifications	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			
Supplies(Logistics)	Quantity and kind based on mission assignments		Water and other potable fluids Food Shelter Sanitation	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			

INTERIM GUIDANCE

Superseded

COMMENTS

1. Basic safety equipment for team members should include hard hats, reflective vests, and other appropriate equipment based on ordering specifications and conditions.

REFERENCES

1. This document is U.S. Government work and is not copyright protected in the United States. This publication was created with individual input and expertise provided by several state and local government entities. While the Federal Emergency Management Agency does not endorse any non-U.S. Government organizations or publications, several documents were referenced in the creation of this document, including, for example, the "American Water Works Association (AWWA), c 2008. Water & Wastewater Mutual Aid and Assistance Resource Typing Manual. Denver, Colorado."

NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.