



DAMAGE ASSESSMENT TEAM – PUBLIC WORKS

DESCRIPTION	The Damage Assessment Team - Public Works assesses the magnitude of damage an incident has caused to public infrastructure such as facilities, roadways, piping systems, and bridges
RESOURCE CATEGORY	Public Works
RESOURCE KIND	Team
OVERALL FUNCTION	<p>The Damage Assessment Team - Public Works:</p> <ol style="list-style-type: none"> 1. Records observations 2. Takes photographs 3. Estimates disaster damage for magnitude and monetary value 4. Receives initial damage reports from the Rapid Needs Assessment Team 5. Provides a general damage assessment and coordinates with specialized teams such as the Damage Assessment and Repair Team - Sewer Mains or Damage Assessment and Repair Team - Water Pump Facilities for in-depth assessment and repair 6. Coordinates with incident command, Emergency Operations Center (EOC), and other damage assessment elements to identify and prioritize areas needing assessment 7. Coordinates with Authority Having Jurisdiction (AHJ) regarding necessary repairs and with the Disaster Cost Recovery Management Team for funding of repairs
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. Discuss logistics for deploying this team, such as working conditions, length of deployment, security, communications, lodging, transportation, and meals, prior to deployment 2. Requestor specifies any specialty areas necessary, such as structural or bridge-related experience 3. Requestor may order specialists in other disciplines to assess specific damage based on incident needs, including building safety, geological survey, environmental, and public health 4. Requestor specifies any mission-specific supporting resources necessary

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	SINGLE TYPE	NOTES
MINIMUM PERSONNEL PER TEAM	3	Not Specified
MANAGEMENT AND OVERSIGHT PERSONNEL PER TEAM	1 - National Incident Management System (NIMS) Type 2 Civil Engineer	Type 2 Civil Engineer should have training or experience in damage assessment operations.
SUPPORT PERSONNEL PER TEAM	2 - Support staff	Support staff may include a Type 1 Civil Engineer with a structural specialty, additional specialized engineers, public works staff, technical specialists, municipal inspectors, or others, at the Type 2 Civil Engineer's discretion.

COMPONENT	SINGLE TYPE	NOTES
GENERAL EQUIPMENT PER TEAM	1. Laptop computer 2. Digital camera 3. GPS 4. Measuring devices 5. Reference materials 6. Appropriate software 7. Manhole cover lifter 8. Excavating device 9. Cutting/trimming device 10. Marking paint or other marking material 11. Traffic control device (or safety signage) 12. Rope 13. Basic first aid kit 14. Other equipment and supplies as needed based on ordering specifications	1. Appropriate software includes word processing, spreadsheet, and database management programs. 2. Measuring devices may include tape measures (25' -100') and measuring wheels.
PERSONAL PROTECTIVE EQUIPMENT (PPE) EQUIPMENT PER TEAM MEMBER	1. Hard hat 2. Reflective vest 3. Gloves 4. Protective clothing 5. Protective footwear 6. Protective shield 7. Flashlight (explosion-proof) 8. Respiratory mask 9. Air quality testing device	The following regulation addresses PPE: Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.132: Personal Protective Equipment.
COMMUNICATIONS EQUIPMENT PER TEAM	Appropriate team communications, such as two-way radios, cell phones, or satellite phone	Not Specified
TRANSPORTATION EQUIPMENT PER TEAM	1 - Vehicle	Not Specified

NOTES

1. Nationally typed resources represent the minimum criteria for the associated component and capability.
2. Facilities include power generating stations, drinking water treatment plants, wastewater treatment plants, and other public and private utility facilities vital to maintaining or restoring normal services to an impacted area before, after, or during an incident. Also included are the delivery systems for these services, such as underground conduit and wiring, above-ground wiring, and piping for water, wastewater, storm water, reuse water, and gas.

REFERENCES

1. FEMA, NIMS 508: Rapid Needs Assessment Team
2. FEMA, NIMS 508: Damage Assessment and Repair Team – Sewer Mains
3. FEMA, NIMS 508: Damage Assessment and Repair Team – Water Pump Facilities
4. FEMA, NIMS 508: Disaster Cost Recovery Management Team
5. FEMA, NIMS 509: Civil Engineer
6. FEMA, National Incident Management System (NIMS), October 2017
7. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.132: Personal Protective Equipment, latest edition adopted