

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 and documents observations with digital photography and video recording 2. Estimates disaster damage in terms of magnitude and monetary value 3. Receives initial damage reports from the Rapid Needs Assessment Team 4. Provides a general damage assessment and coordinates with specialized teams, such as the Repair Team - Sewer Mains or the Repair Team - Water Pump Facilities, to develop in-depth assessment and repair estimates 5. Coordinates with incident command, Emergency Operations Center (EOC) and other damage assessment entities to identify and prioritize areas needing assessment 6. Coordinates with Authority Having Jurisdiction (AHJ) regarding necessary repair estimates
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 specialized capabilities necessary, such as structural or bridge-related experience. 3. Requestor specifies need for confined-space entry. 4. Requestor orders specialists in other disciplines—including building safety, geological survey, environmental compliance and public health—to assess specific types of damage based on incident needs. 5. 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	4	Not Specified
MANAGEMENT AND OVERSIGHT PERSONNEL PER TEAM	1 - National Incident Management System (NIMS) Public Works Supervisor, Public Works Systems Manager or Engineering Manager	Any of the listed positions may fill the management and oversight role, depending on incident needs.
SUPPORT PERSONNEL PER TEAM	1 - NIMS Public Works Safety Specialist 2 - Functional staff	Functional staff may include a Civil Engineer, Structural Engineer, additional specialized engineers, Public Works Supervisors, public works operators, public works technical specialists and municipal water/wastewater operators.
GENERAL EQUIPMENT PER TEAM	<ol style="list-style-type: none"> 1. GPS 2. Laptop computer 3. Digital camera 4. Measuring device 5. Other equipment and supplies as necessary based on ordering specifications 	<ol style="list-style-type: none"> 1. Measuring devices include tape measures (25' to 100') and measuring wheels. 2. Other equipment and supplies may include manhole cover lifter, excavating device, cutting/trimming device, marking paint or other marking material, traffic control device (or safety signage) and rope.

COMPONENT	SINGLE TYPE	NOTES
PERSONAL PROTECTIVE EQUIPMENT (PPE) PER TEAM MEMBER	<p>PPE is mission specific and may include:</p> <ol style="list-style-type: none"> 1. Hard hat 2. Safety-toe boots 3. Reflective vest 4. Eye and ear protection 5. Respirator 6. Gloves 7. Masks 8. Basic first aid kit 9. Flashlight 	<p>The following regulation addresses PPE: Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.132: Personal Protective Equipment.</p>
COMMUNICATIONS EQUIPMENT PER TEAM	<p>Appropriate team communications, such as two-way radios, cell phones or satellite phones</p>	<p>Not Specified</p>

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: Public Works Support Team
2. FEMA, NIMS 508: Rapid Needs Assessment Team
3. FEMA, NIMS 508: Repair Team – Sewer Mains
4. FEMA, NIMS 508: Repair Team – Water Pump Facilities
5. FEMA, NIMS 509: Civil Engineer
6. FEMA, NIMS 509: Engineering Manager
7. FEMA, NIMS 509: Public Works Safety Specialist
8. FEMA, NIMS 509: Public Works Supervisor
9. FEMA, NIMS 509: Public Works Systems Manager
10. FEMA, NIMS 509: Structural Engineer
11. FEMA, National Incident Management System (NIMS), October 2017
12. FEMA, National Response Framework, October 2019
13. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Section 1910.132-140: Personal Protective Equipment, latest edition adopted