

## DAMAGE ASSESSMENT TEAM – PUBLIC WORKS

<b>DESCRIPTION</b>	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
<b>RESOURCE CATEGORY</b>	Public Works
<b>RESOURCE KIND</b>	Team
<b>OVERALL FUNCTION</b>	<p>The Damage Assessment Team - Public Works:</p> <ol style="list-style-type: none"> <li>1. Records observations</li> <li>2. Takes photographs</li> <li>3. Estimates disaster damage for magnitude and monetary value</li> <li>4. Receives initial damage reports from the Rapid Needs Assessment Team</li> <li>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</li> <li>6. Coordinates with incident command, Emergency Operations Center (EOC), and other damage assessment elements to identify and prioritize areas needing assessment</li> <li>7. Coordinates with Authority Having Jurisdiction (AHJ) regarding necessary repairs and with the Disaster Cost Recovery Management Team for funding of repairs</li> </ol>
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. Discuss logistics for deploying this team, such as security, communications, lodging, transportation, and meals, prior to deployment</li> <li>2. This team typically works 12 hours per shift, is self-sustainable for 72 hours, and is deployable for up to 14 days</li> <li>3. Requestor specifies any specialty areas necessary, such as structural or bridge-related experience</li> <li>4. Requestor may order specialists in other disciplines to assess specific damage based on incident needs, including building safety, geological survey, environmental, and public health</li> <li>5. Requestor specifies any mission-specific supporting resources necessary</li> </ol>

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
<b>EQUIPMENT PER TEAM COMMUNICATIONS</b>	Appropriate team communications, such as two-way radios, cell phones, or satellite phone	Not Specified

*Superseded*

COMPONENT	SINGLE TYPE	NOTES
<b>EQUIPMENT PER TEAM EQUIPMENT</b>	<ol style="list-style-type: none"> <li>1. Laptop computer</li> <li>2. Digital camera</li> <li>3. GPS</li> <li>4. Measuring devices</li> <li>5. Reference materials</li> <li>6. Appropriate software</li> <li>7. Manhole cover lifter</li> <li>8. Excavating device</li> <li>9. Cutting/trimming device</li> <li>10. Marking paint or other marking material</li> <li>11. Traffic control device (or safety signage)</li> <li>12. Rope</li> <li>13. Basic first aid kit</li> <li>14. Other equipment and supplies as needed based on ordering specifications</li> </ol>	<ol style="list-style-type: none"> <li>1. Appropriate software includes word processing, spreadsheet, and database management programs.</li> <li>2. Measuring devices may include tape measures (25' -100') and measuring wheels.</li> </ol>
<b>EQUIPMENT PER TEAM MEMBER PERSONAL PROTECTIVE EQUIPMENT</b>	<ol style="list-style-type: none"> <li>1. Hard hat</li> <li>2. Reflective vest</li> <li>3. Gloves</li> <li>4. Protective clothing</li> <li>5. Protective footwear</li> <li>6. Protective shield</li> <li>7. Flashlight (explosion-proof)</li> <li>8. Respiratory mask</li> <li>9. Air quality testing device</li> </ol>	The following regulation addresses PPE: Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.132: Personal Protective Equipment.
<b>EQUIPMENT PER TEAM TRANSPORTATION</b>	1 - Vehicle	Not Specified
<b>PERSONNEL PER TEAM MANAGEMENT AND OVERSIGHT</b>	1 - National Incident Management System (NIMS) Type 2 Civil Engineer	Type 2 Civil Engineer should have training or experience in damage assessment operations.
<b>PERSONNEL PER TEAM MINIMUM</b>	3	Not Specified
<b>PERSONNEL PER TEAM SUPPORT</b>	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.

Superseded

## NOTES

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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

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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. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.132: Personal Protective Equipment, latest edition adopted

Superseded