

**PUBLIC ASSISTANCE
PRELIMINARY ASSESSMENT (PDA)
FORM INSTRUCTIONS**

Report only those costs or damages which are results of the disaster event and are legal responsibility of the unit of government or eligible non-profit organization.

Provide value of insurance coverage. For a flood event assume that all Public Assistance eligible insurable structures in the identified floodplain have a maximum flood insurance coverage. This primarily applies to Category E, possible some in Categories F and G.

Examples of typical disaster related work and public facility damages include:

A. DEBRIS REMOVAL

On streets and Right of Way (ROW)
In parks
Discarded personal property on ROW
In drainage Channels
At culverts and bridges

B. EMERGENCY PROTECTIVE MEASURES

Evacuation efforts
Security Patrols
Search and Rescue
Emergency pumping
Emergency access

C. ROADS AND BRIDGES

Bridges
Culverts
Road surfaces and embankments
Traffic signs and lights
Related structures in ROW

NOTE: Report damages on Federal Aid Systems Roads separately.

D. WATER CONTROL FACILITIES

Levees

Improved and maintained drainage channels
Dams and watershed structures
Irrigation works

E. PUBLIC BUILDINGS & EQUIPMENT
(Provide insurance coverage)

Buildings owned by the government or eligible private nonprofit organizations
Supplies and inventory
Vehicles and equipment

F. PUBLIC UTILITIES
(Only those owned by government or eligible private nonprofit organizations)

Water supply systems
Sanitary sewers systems
Treatment plants
Storm drain systems
Power supply systems

G. PARKS, RECREATION, OTHER

Owned by governments or eligible private nonprofit organizations

(Do not include recreational facilities owned by private nonprofit organizations.)

EXAMPLES OF DAMAGE DESCRIPTIONS

SUMMARY TITLE

DAMAGE DESCRIPTION

CATEGORY A

DEBRIS REMOVAL

SEDIMENTS ON PUBLIC PROPERTY

FLOOD DEBRIS (ROCKS, SAND, GRAVEL, LOGS) WERE DEPOSITED ON ROADS, IN PARKS, BUILDINGS, AND OTHER PUBLIC PROPERTY.

WIND GENERATED DEBRIS ON PUBLIC PROPERTY

WIND GENERATED DEBRIS CONSISTING OF BUILDING MATERIALS, TREES, AND PERSONAL PROPERTY WAS DEPOSITED ON PUBLIC PROPERTY.

DISCARDED PERSONAL PROPERTY

DAMAGED PERSONAL PROPERTY CONSISTING OF CLOTHING, FURNITURE, APPLIANCES, AND OTHER MATERIALS WAS PLACED BY RESIDENTS AT THE CURB OR OTHER DESIGNATED AREA FOR PICK UP.

SANDBAG LEVEE REMOVAL

APPLICANT PLACED SANDBAG LEVEES TO PROTECT COMMUNITY PROPERTY AND PUBLIC HEALTH AND SAFETY. THESE LEVEES ARE NOW A HEALTH AND SAFETY HAZARD AND INTERFERE WITH THE RESUMPTION OF PUBLIC SERVICES.

EMERGENCY EARTHEN LEVEE REMOVAL

APPLICANT PLACED EMERGENCY EARTHEN LEVEES TO PROTECT COMMUNITY PROPERTY AND PUBLIC SAFETY. THESE LEVEES ARE NOW A HEALTH AND SAFETY HAZARD AND INTERFERE WITH THE RESUMPTION OF PUBLIC SERVICES.

DEBRIS AT BRIDGES

DEBRIS CONSISTING OF ROCKS, SAND, TREES, STUMPS AND OTHER MATERIAL IS SIGNIFICANTLY REDUCING THE WATERWAY OPENING.

MINOR ROAD SLIDES

HEAVY RAINS HAVE CAUSED THE BACKSLOPE TO SLIDE INTO THE DITCH AND ONTO THE ROAD.

MAN MADE CHANNEL CLEARANCE

FLOODWATERS DEPOSITED SEDIMENTS IN THE CHANNEL WHICH SIGNIFICANTLY REDUCES CHANNEL CAPACITY. THE TOTAL AMOUNT OF DEBRIS IS COMPUTED TO COMPLETELY CLEAN CHANNEL TO DESIGN GRADE. THE APPLICANT'S SHARE IS DEDUCTED FROM THE TOTAL WHERE APPLICABLE.

TIMBER DEBRIS REMOVAL ALONG LEVEES AND ROADWAYS

FLOOD WATERS DEPOSITED TREE LIMBS, BRANCHES, AND OTHER FLOTABLE DEBRIS ON RIVERWARD FACE OF LEVEE OR ROAD EMBANKMENT.

DEMOLITION

STRUCTURES WERE DAMAGED BEYOND ECONOMIC REPAIR AND REPRESENT A HEALTH AND SAFETY THREAT TO THE GENERAL PUBLIC.

CATEGORY B

EMERGENCY PROTECTIVE MEASURES

SECURITY PATROLS, SEARCH AND RESCUE

EMERGENCY OPERATIONS IN DAMAGED AREAS REQUIRED THE USE OF PERSONNEL, EQUIPMENT, AND SUPPLIES FOR SEARCH AND RESCUE, TRAFFIC CONTROL AND SECURITY.

SANDBAG LEVEE

EMERGENCY SANDBAG LEVEES WERE CONSTRUCTED TO PROTECT PROPERTY OR TO RAISE OR STRENGTHEN EXISTING LEVEES

EMERGENCY PUMPING (TEMPORARY)

FLOODING REQUIRED THE USE OF TEMPORARY PUMPS TO PROVIDE ADDITIONAL PUMPING CAPABILITY

EMERGENCY PUMPING (FIXED INSTALLATIONS)

FLOOD ELEVATIONS REQUIRED THE OPERATION OF THE PUMPING FACILITIES OF A LOCAL PROTECTION PROJECT. EXCESS PUMPING CONSISTS OF POWER AND LABOR FOR THE EMERGENCY PHASE OF THE OPERATION.

EOC OPERATIONS

OPERATIONS DURING EOC ACTIVATION ARE ELIGIBLE TO INCLUDE: LABOR OVERTIME, PLUS FRINGE BENEFITS, AND SUPPLIES CONSUMED.

SHELTERING

PROVIDE SHELTER AND FLOOD FOR PEOPLE FORCED FROM THEIR HOMES BY SEVERE WEATHER.

CATEGORY C

ROAD AND BRIDGE

AGGREGATE ROAD SURFACE WASHOUT

ROADWAY SURFACE WAS WASHED OUT BY FLOODWATERS. INCLUDES FILL, EMBANKMENT, AND DITCHES

GRAVEL ROAD EMBANKMENT FAILURE

DISASTER CAUSED EMBANKMENT FAILURE AND LOSS OF ROAD MATERIAL

CHIP AND SEAL FAILURE

CHIP AND SEAL SURFACE WAS DAMAGED BY FLOOD WATERS

BITUMINOUS SURFACE AND EMBANKMENT FAILURE

PAVEMENT HAS WASHED OUT AND FAILED. SUBGRADE AND DITCHES SCOURED

ROAD AND CULVERT WASHOUT

FLOOD DAMAGE TO ROAD SURFACE, CULVERT, AND DITCHES.

CONCRETE BOX CULVERT WASHOUT

HIGH VELOCITY FLOW DESTROYED CONCRETE BOX CULVERT

STREAM CROSSING APPROACH WASHOUT

HIGH WATER WASHED OUT THE APPROACHES TO A STREAM CROSSING INCLUDING THE LOSS OF SURFACE MATERIAL AND RIP RAP BASE AND LEFT MUD AND DEBRIS

TIMBER WING WALLS

BRIDGE ABUTMENTS WERE UNDERMINED AND WING WALLS AND EXISTING RIP RAP WASHED OUT

CURB, GUTTER, AND SIDE WALK DAMAGE

CURBS, GUTTERS, AND SIDEWALK WERE DAMAGED BY UPROOTED TREES AND/OR CONSTRUCTION EQUIPMENT

BRIDGE DESTROYED/ DAMAGED

FLOODWATERS SEVERELY DAMAGED/DESTROYED BRIDGE

SOIL ROAD WASHOUT

ROADWAY SURFACE WAS WASHED OUT BY FLOODWATERS

ROAD, SHOULDER, EMBANKMENT FAILURE

ROAD, SHOULDER, AND EMBANKMENT WERE DAMAGED BY FLOODWATERS

CATEGORY D

WATER CONTROL FACILITIES

LEVEE DAMAGE

HIGHWATER DAMAGE LEVEE

EROSION DAMAGE AT DRAINING OUTLET STRUCTURES

HIGH VELOCITY FLOW SCOURED MATERIAL FROM BEHIND DRAINAGE OR OUTLET STRUCTURES

GABION BANK DAMAGE

FLOODWATERS DAMAGED GABION PROTECTION AND CAUSED EROSION

RIP RAP DAMAGED

FLOODWATERS DAMAGED STONE SLOPE PROTECTION

CATEGORY E

BUILDINGS AND EQUIPMENT

PUBLIC BUILDING CLEAN UP

FLOOD WATERS AND FLOATABLE DEBRIS WERE DEPOSITED THROUGHOUT THE INTERIOR OF THE BUILDING

BUILDING DESTROYED

TORNADO/FLOOD WATERS DAMAGED THE BUILDING TO THE POINT THAT IT IS NOT FEASIBLE TO REPAIR. (COST OF REPAIR GREATER THAN 50% OF COST OF REPLACEMENT)

PUBLIC BUILDINGS/CONTENTS DAMAGED

HIGH WINDS/ FLOOD WATERS DAMAGED BUILDINGS AND CONTENTS THROUGHOUT THE INTERIOR OF THE BUILDING. INCLUDE COSTS TO PROTECT AND SECURE THE SITE

CATEGORY F

SEWER BLOCKED / BROKEN

UTILITY LINE (WATER, SEWER, GAS) WASHED OUT

PIPELINE RIVER CROSSING WASHED OUT

ELECTRICAL TRANSMISSION LINES DAMAGED

PUBLIC UTILITIES

SEWER LINES ARE BLOCKED WITH DEBRIS AND/OR BROKEN OR COLLAPSED

HIGH VELOCITY RIVER FLOW ERODED STREAM BANKS AND BOTTOM TO EXPOSE AND DAMAGE PIPELINE

WINDS / FLOOD / ICE CAUSED ELECTRICAL TRANSMISSION LINES TO BE DAMAGED.

CATEGORY G**PARKS / RECREATION / OTHER****COMPONENTS OF COST ESTIMATED – COMMON EXAMPLES (not all inclusive) – PROFESSIONAL JUDGEMENT****CATEGORY A – DEBRIS REMOVAL**

- QUALITY IN CUBIC YARDS (CY) OR TONS.
- TRANSPORTATION TO DISPOSAL SITE
- LANDFILL FEES

CATEGORY B – EMERGENCY PROTECTIVE MEASURES

- RENTAL COSTS OF ROAD BARRIERS, PORTA-POTTIES
- OVERTIME COSTS OF POLICE, FIREFIGHTERS, AND OTHER PERMANENT EMPLOYEES
- LABOR COST OF TEMPORARY EMPLOYEES
- EQUIPMENT USE / RENTAL (PUMPS, TRANSPORT)
- COST OF MATERIALS (SANDBAGS, FILL)

CATEGORY C – ROAD AND BRIDGE (PA DOT STANDARDS AND ESTIMATING PARAMETERS PREVAIL)

- TYPE AND QUALITY OF MATERIALS REQUIRED
- SIZE OF WASHOUT, TYPE OF CULVERT OF BRIDGE
- SIZE & TYPE OF CULVERT AND ROAD
- SIZE & TYPE OF BRIDGE
- SIGNS AND OTHER STRUCTURES

WHENEVER POSSIBLE BASE THE DAMAGE ASSESSMENT ON MEASURABLE FACTORS. IN SOME AREAS SUCH AS SEWER AND WATER PLANTS THE PROFESSIONAL JUDGEMENT AND EXPERIENCE OF THE PLANT OPERATOR MAY PROVIDE A REASONABLE ESTIMATE. INCLUDE IN DESCRIPTION OF DAMAGES THE DIMENSIONS, LIST OF MAJOR COMPONENTS DAMAGED, AND/OR ESTIMATED QUANTITIES (LABOR, EQUIPMENT, MATERIALS) AS APPROPRIATE AND REASONABLY AVAILABLE.

USE REVERSE SIDE OF SITE ESTIMATE FORM FOR SKETCHES, DISCUSSION OF BASIS FOR ESTIMATE, LIST OF COMPONENTS AND QUANTITIES ETC. AS APPROPRIATE.

THE OBJECTIVE IS TO ACHIEVE A REASONABLY ACCURATE ESTIMATE OF THE COST OF DAMAGES. THIS IS NOT THE DAMAGE SURVEY REPORT WHICH RESULTS IN FUNDING; THEREFORE, MEASUREMENTS ARE APPROXIMATE, NOT TO CONSTRUCTION TOLERANCE STANDARD.