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- PL84-99 Advanced Measures
- HESCO Technical Assistance
- Developing a plan
- Phase 1 & 2: HESCO Barriers
- General Investigation Study
- Questions





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Public Law 84-99

Advance Measures



- ✓ Imminent threat of unusual flooding
 - ✓ Governor's Request
 - ✓ Non-Federal interests must commit available resources (labor, supplies, equipment, funds, National Guard Forces etc.)
 - ✓ Benefit to Cost Ratio must be greater than 1.0
 - ✓ Public Sponsor (CBJ) must execute a Cooperative Agreement
- No Assistance for Erosion Damage – assistance solely to prevent erosion damage is not permitted
 - Channel Clearance and Dredging may be authorized to restore channel capacity
 - Permanent improvements are not authorized
 - Public Sponsor must agree to remove Advance Measures Temporary Work when operation is over, at no cost to USACE

Costs:

Investigative Costs: 100% USACE Funded
Engineering and Design: 100% USACE Funded
Temporary Construction: 100% USACE Funded
Removal of Construction: 100% Non-Federal

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HESCO Technical Assistance

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1. Provide Technical Assistance
2. Flood fighting Center of Excellence – Cory Haberman
3. Provide Materials
 - HESCO Barriers
 - Super Sacks
 - Sandbags
 - Geo-Textile Fabric

HESCO Contractors

1. HESCO technical advisor for installation – Flood Defense Group – Keith Anderson
2. HESCO Deployment “Best Practices”
3. HESCO Operation and Maintenance Requirements

Local Responsibilities

1. Provide labor
2. Provide Logistical Support
3. Provide Heavy Equipment and Operators
4. Provide suitable fill (Sand)
5. Provide Rights of Entry
6. Provide Permitting
7. Establish HESCO Barrier alignment

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Developing a Plan

- CBJ talked with USACE technical experts and emergency management to determine the best way to protect the homes along the river.
- USACE technical experts and CBJ engineers walked the Mendenhall riverbank to determine areas of concern.
- Talked with residents affected by the flood to determine extent of damage to home and property.
- Looked at aerial imaging before, during, and after flood to determine extent of flooding.
- Site prep:
 - Firm level foundations
 - Adequate drainage
 - Use of appropriate fill
 - Units laid out, line and level checked
 - Correct joining of units
 - Tamp down after every foot of material in HESCO barriers

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Phase 1 & 2



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Phase 1



- Marion Drive to Killewich Drive to Meander Way, will install 2 miles of barriers along the developed side of the river.
- The rationale for prioritizing Marion Drive to Killewich Drive to Meander Way is that this is where the river jumped the bank and depending on the event, we could redirect the flow to the unpopulated side of the river.
- Majority of the homes damaged during the August 2024 flood will be protected.

Phase 2

Plans will be developed to protect the majority of the remaining developed properties along the Mendenhall River.

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General Investigation Study

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Long term - General Investigation Study through the US Army Corp of Engineers Civil Works

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Questions?

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