

## **PROJECT NAME: NEB Range Dam System**

**1. Provide the name of all non-Federal interests planning to act as the sponsor, including any non-Federal interest that has contributed or is expected to contribute toward the non-Federal share of the proposed feasibility study or modification.**

The El Paso Water Utilities Public Service Board (EPWU) will serve as sponsor of the proposed feasibility study.

**2. State if this proposal is for a feasibility study or a modification to an authorized USACE project or feasibility study and, if a modification, specify the authorized project or study.**

This is a proposal for a feasibility study.

**3. State the project purpose of the proposed study or modification.**

The purpose for the feasibility study is to determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection to the surrounding community.

**4. Provide an estimate, to the extent practicable, of the total cost of the proposed study or modification.**

The estimated cost for the study will be \$500,000.

**5. Describe, to the extent practicable, the anticipated monetary and nonmonetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.**

The anticipated benefits of this project, monetary and non-monetary, are:

- Protect human life and property in the event of severe flood occurrence,
- Create jobs, at least for a year, within local companies,
- Allow the City of El Paso to gain points with the Community Rating System of the National Flood Insurance Program (NFIP), which allows for flood insurance discounts to local residents.

Image 1: Dam location and affected community areas

Region	System	Project Number	Issue to be addressed	Description of Improvements
Northeast	Fort Bliss Sump	NE5	1. The following crossings on Clearview Channel are undersized (<10-year): Morningside Circle (three 36-inch CMPs) and Byron Drive (three 36-inch CMPs). 2. There is a sediment problem in the upstream portion of Clearview Channel.	Replace two crossing structures and construct new sediment basin.
Northeast	Fort Bliss Sump	NE6	1. Erosion along Lincoln Avenue due to flows in the downstream portion of Johnson Channel. 2. One undersized crossing was identified on Johnson Channel beneath a dead-end road in a vacant lot, but is not causing any serious problems.	Construct new retention basin.
Northeast	Northeast Ponding	NE7 Phase 1	Northeast Channel No. 2 is significantly undersized (<10-year) with undersized crossings and serious erosion problems.	Expansion and lining of portion NE Channel 2 in progress.
Northeast	Northeast Ponding	NE7 Phase 2	Northeast Channel No. 2 is significantly undersized (<10-year) with undersized crossings and serious erosion problems.	Expansion and lining of remaining channel.
Northeast	Northeast Ponding	NE7 Phase 3	Northeast Channel No. 2 has high sediment loads due to large upstream deposits.	Construction of sediment basin west of US 54.
Northeast	Northeast Ponding	NE7 Phase 4	Northeast Channel No. 2 is significantly undersized.	Construction of detention with Phase 2 sediment basin.
Northeast	Range Dam	NE8 Phase 1	1. Flooding on Fairbanks Drive. 2. High sediment load from Castner Range.	Construction of sediment basin west of US 54. Improve US 54 culvert outlet.
Northeast	Range Dam	NE8 Phase 2	Flow in Fairbanks Drive bypasses the entrance to Electric Ditch Channel resulting in downstream flooding.	Construction of cross sectional inlets.
Northeast	Range Dam	NE9	Flooding and erosion issues at the intersection of Hondo Pass Avenue and Hondo Pass Drive due to flow from Northgate Diversion Channel.	Installation of pipes to convey flow to Northgate Dam.
Northwest	West Central	Keystone Dam Upgrade	Keystone Dam - Upgrade to control existing seepage.	Stabilize downstream slope with toe-drain and berm.
Northwest	Doniphan Ditch	NW1	This section of Doniphan Ditch is severely undersized with undersized crossings.	Increase the capacity of three culvert crossings. Increase the capacity of the channel to detain some volume making a linear "Heritage Park/Loop Trail." Grade the section north of Sunset Drive to drain to White Spur Drain.
Northwest	Keystone Dam	NW10	Ridge View Channel has two undersized crossings.	Increase capacity of two box culverts.
Northwest	Keystone Dam	NW11	Ojo De Agua Arroyo has three undersized crossings. Identified upstream sediment source.	Increase capacity of three box culverts. Construct sediment basin.

**6. Describe if local support exists for the proposal.**

The citizens of El Paso, to include the business community, support any efforts by EPWU to enhance/improve storm water facilities.

**7. State if the non-Federal interest has the financial ability to provide for the required cost share.**

The EPWU has the ability to provide the matching funds for this feasibility study.

**8. Submit a letter or statement of support from each associated non- Federal interest.**

In an effort to meet the community's need for a strong flood protection program, the EPWU is committed to re-assessing its ability to protect life and property for those who reside near dams. Although these structures were designed and constructed to protect nearby areas, neighborhoods have grown over the years. Consequently, in the event the City experiences a major flood event, the risk of flooding exponentially increases.