



## SFY 2024-2025 Flood Infrastructure Fund North Main Drain Stormwater Improvement Project

### Project Need

Hidalgo County has suffered from repeated flood events during the past seven years that resulted in six major disaster declarations. Particularly in 2018 and 2019 there were significant flooding impacts across the County. During these flood events, flood waters inundated numerous neighborhoods, thus limiting access to homes for emergency response.

Hidalgo County Drainage District No. 1 has been proactive in addressing the communities' needs. In 2018 and 2023, Hidalgo County voters approved bond issuances of \$385 million to address flooding in our communities. Unfortunately, the need is greater than the funding available. Programs such as the Flood Infrastructure fund are essential to continuing our efforts in building resilient communities.

### Project Description

The North Main Drain Stormwater Improvement Project proposes to enhance HCDD1's flood-control infrastructure by excavating within the existing ROW to provide additional capacity in the drainage system. The application includes the combination of two regional projects identified as part of Hidalgo County Drainage District No. 1 Bond Program: 2023 Bond Projects 4 and 5. Projects are identified on the Regional Flood Plan with FMP ID 153000068.

**2023 Bond Projects 4 and 5, North Main Drain (J09 to Main Floodway Channel)** The existing ditch ROW varies in width from 200 ft to 400 ft for approximately 14.96 miles and proposed improvements widen the channel within the existing ROW and no acquisition will be required.

The project also includes coordination with project elements with Santa Cruz Irrigation District to replace approximately 1.2 miles of irrigation canal with a 54-inch pipe. Additional coordination with Santa Cruz Irrigation District includes reconstructing a portion of the Edinburg Lake to allow for further excavation of the drainage ditch.



The improvements were designed for a 50-year storm event and benefit 1,521 structures in Hidalgo County by reducing flood depths as much as 1.7 ft for some areas.

**Project Cost and Financing.** The project estimated cost is \$33,064,000. An SFY 2024-2025 FIF abridged application was submitted to TWDB. Based on the 68% AMHI, the project is eligible for 40% grant (\$13,225,600) and the remaining 60% (\$19,838,400) is eligible for 0% loan.

The Project Prioritization List was prepared by TWDB and issued for public comment on February 6, 2025. There was a total of 110 projects that were ranked, ranging in request amounts from \$660,000 to \$160,532,300. The HCDD1 project was ranked 8<sup>th</sup> on the priority list.

The snippet below from the Project Prioritization List includes information for the top 10 ranked projects.

FMP ID	Region Number	FMP Name	Sponsor	FMP Type	Previously Awarded FMA 2019-2022	Federal Funds	Other Funds	Requested TWDB Funds	Total Project Cost
033000074	3	Lebow Channel Flood Mitigation	Fort Worth	Detention Pond	No	\$0	\$0	\$90,000,000	\$90,000,000
033000008	3	West Irving Creek Phase B and C	Irving	Infrastructure	No	\$0	\$0	\$82,240,000	\$82,240,000
143000121	14	Dallas Ponds	El Paso Water	Comprehensive	No	\$0	\$0	\$160,532,300	\$160,532,300
063000056	6	Mary's Creek Lower, Middle, and Upper Segment	Pearland	Comprehensive	No	\$0	\$0	\$134,040,000	\$134,040,000
143000117	14	Gateway Ponds	El Paso Water	Comprehensive	No	\$0	\$0	\$108,224,900	\$108,224,900
143000123	14	WC4	El Paso Water	Detention Pond	No	\$0	\$0	\$10,198,410	\$10,198,410
103000068	10	Immanuel Road/Pecan Park at Upper Gileland Creek (DMP GC-05)	Pflugerville	Flood Walls and Levees	No	\$0	\$0	\$4,863,000	\$4,863,000
153000068	15	2023 Bond Projects 4 and 5 - North Main Drain	Hidalgo County Drainage District No. 1	Infrastructure	No	\$0	\$0	\$33,064,000	\$33,064,000
063000468	6	SFY 2024 FIF Sunnyside Drainage Improvements	Houston	Infrastructure	No	\$0	\$0	\$50,328,167.96	\$50,328,167.96
1330000308	13	Robstown Various Drainage Improvements (FHMS.10.12) - Phase 1 Engineering Design and Land Acquisition	Nueces County Drainage District #2	Infrastructure	No	\$0	\$0	\$17,213,000	\$17,213,000

## Next Step:

TWDB is holding a public comment period through March 10, 2025. The First Round of Invitations will commence thereafter. We will have 2 months to submit the full application after the invitation is received.



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