

PROPOSED CAPITAL IMPROVEMENT PROJECTS

Project Title: STATE HIGHWAY 146 WATER LINE IMPROVEMENTS
Project Location/Limits: FROM NASA RD 1 TO 400FT SOUTH OF BAYVIEW DRIVE ALONG STATE HIGHWAY 146
CIP Number: W7
Facility Type: WATER

Project Description and Justification

The purpose of this project is to relocate the existing water line facilities with the existing TxDOT SH146 ROW to a location outside of the new proposed highway improvements. Improvements and extensions of services in areas that were not provided before will be included.

Project Cost Estimates:

COST BY FISCAL YEAR							
Project Cost	Prior Funding	FY19	FY20	FY21	FY22	FY23+	TOTAL
Engineering/Planning	\$ 137,665	\$ 137,665					\$ 275,330
Land/Easements Acq.							\$ -
Construction		\$ 1,025,083	\$ 1,025,083				\$ 2,050,166
Total Cost	\$ 137,665	\$ 1,162,748	\$ 1,025,083	\$ -	\$ -	\$ -	\$ 2,325,496

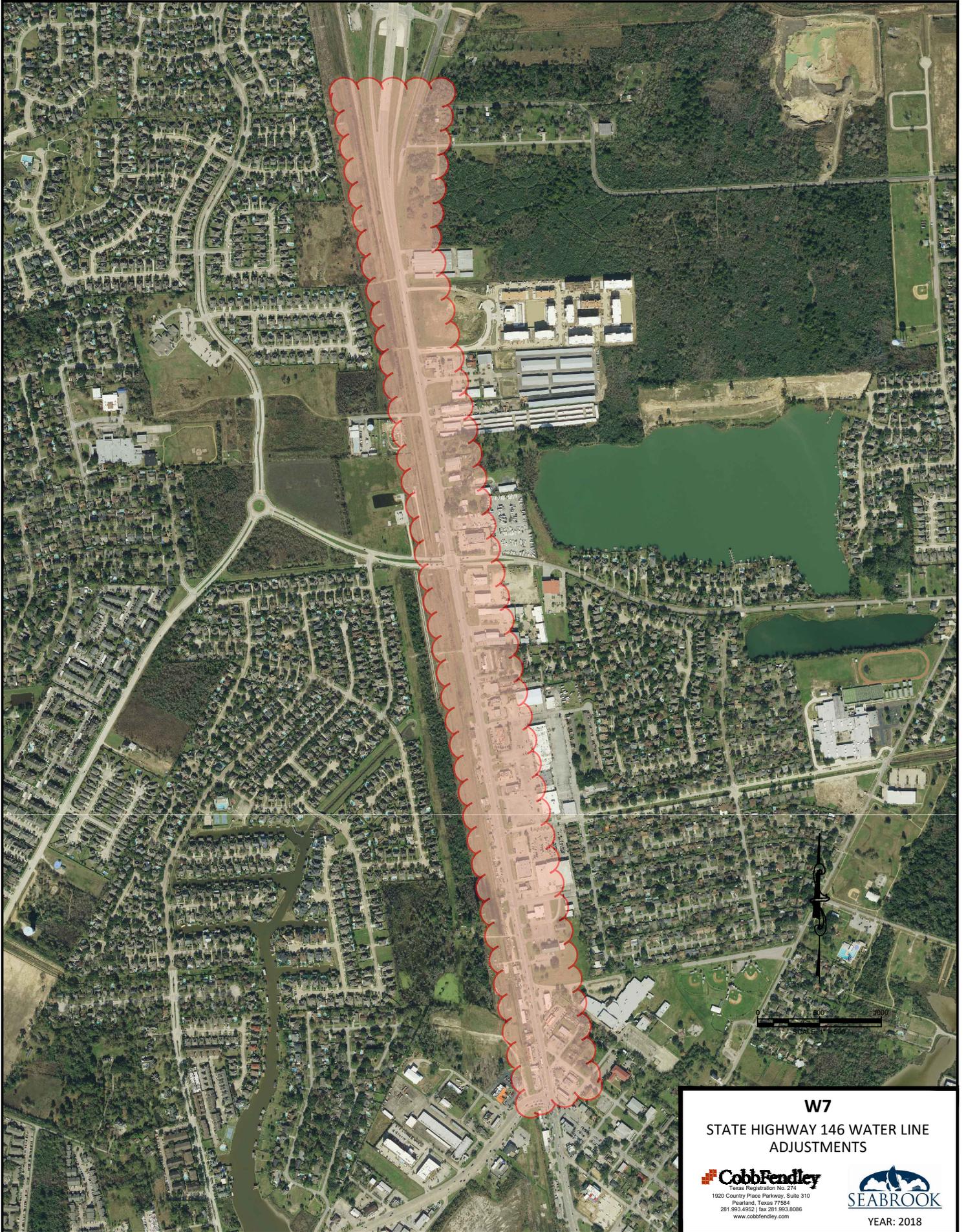
FUNDING SOURCES BY FISCAL YEAR							
Funding Source	Prior Funding	FY19	FY20	FY21	FY22	FY23+	TOTAL
General Fund -Cash							\$ -
Certificates of Obligation							\$ -
Prior Certificates of Obligation							\$ -
General Obligation Bonds							\$ -
Prior Bonds							\$ -
Future Bonds							\$ -
SEDC 4B Funds							\$ -
Water/Sewer Revenue Bonds							\$ -
Enterprise Utility Fund - Cash							\$ -
Impact Fees							\$ -
Developer Contribution							\$ -
Potential Grant							\$ -
Other: ___ (Fund/Agency)							\$ -
Total Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Opinion of Probable Construction Cost Estimate

Description	Quantity	Unit	Unit Price	Total Cost
Trench Excavation Protection	18505	LF	\$ 8.00	\$ 148,040.00
6-Inch PVC Water Line	60	LF	\$ 78.00	\$ 4,680.00
8-Inch PVC Water Line	1485	LF	\$ 92.00	\$ 136,620.00
10-Inch PVC Water Line	40	LF	\$ 97.00	\$ 3,880.00
12-Inch PVC Water Line	8626	LF	\$ 110.00	\$ 948,860.00
12-Inch Restrained Joint	754	LF	\$ 141.00	\$ 106,314.00
22-Inch Steel Casing	724	LF	\$ 725.00	\$ 524,900.00
2-Inch Wet Connection	1	EA	\$ 1,600.00	\$ 1,600.00
6-Inch Wet Connection	3	EA	\$ 2,000.00	\$ 6,000.00
8-Inch Wet Connection	2	EA	\$ 2,200.00	\$ 4,400.00
10-Inch Wet Connection	1	EA	\$ 2,500.00	\$ 2,500.00
12-Inch Wet Connection	8	EA	\$ 3,500.00	\$ 28,000.00
Fire Hydrant Assembly	35	EA	\$ 2,500.00	\$ 87,500.00
Water Meter and Vault	14	EA	\$ 675.00	\$ 9,450.00
6-Inch Cut & Plug Water Line	2	EA	\$ 1,700.00	\$ 3,400.00
8-Inch Cut & Plug Water Line	2	EA	\$ 1,900.00	\$ 3,800.00
10-Inch Cut & Plug Water Line	1	EA	\$ 2,200.00	\$ 2,200.00
12-Inch Cut & Plug Water Line	7	EA	\$ 3,500.00	\$ 24,500.00
Remove & Salvage Fire Hydrant	7	EA	\$ 503.00	\$ 3,521.00
Construction Total				\$ 2,050,165.00

Comments/Special Project Notes:

The plan is to included these utility improvements with the TxDOT plans for there contractor to install, instead of the City bidding it out as a separate project. The benefit for this approach is that it will eliminate the unknown timing of each property acquisition where the new utilities will be laid. From Towers Blvd to Bayview Dr, the City currently has easement rights in which TxDOT will compensate for the easement and utility relocation cost.



W7
STATE HIGHWAY 146 WATER LINE
ADJUSTMENTS

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YEAR: 2018