



CITY COUNCIL WORKSHOP

CITY OF BAY CITY

Tuesday, October 27, 2020 at 5:00 PM

COUNCIL MEMBERS

COUNCIL CHAMBERS | 1901 5th Street

Mayor: Robert K Nelson

Mayor Pro Tem: Jason w. Childers

Council Members: William Cornman, Brent P. Marceaux, Becca Sitz, Julie Estlinbaum

Bay City is committed to developing and enhancing the long-term prosperity, sustainability, and health of the community.

AGENDA

CALL TO ORDER

CERTIFICATION OF QUORUM

PUBLIC COMMENTS

REGULAR ITEMS FOR DISCUSSION, CONSIDERATION AND / OR APPROVAL

- 1. Discussion ~ Discuss Hamman Road and Holly Lane drainage improvement proposal.**

ADJOURNMENT

CERTIFICATION OF POSTING

This is to certify that the above notice of a Regular Called Council Meeting was posted on the front window of the City Hall of the City of Bay City, Texas on **Friday, October 23, 2020 before 5:00 p.m.** Any questions concerning the above items, please contact Mayor Robert K. Nelson at (979) 245-2137.

**PRELIMINARY COST ESTIMATE
FOR CONSTRUCTION OF
HAMMAN ROAD DRAINAGE IMPROVEMENTS
FOR
CITY OF BAY CITY
SEPTEMBER 2, 2020**

Item No.	Description	Unit	Quantity	Unit Price	Total ⁽¹⁾
1.	Move-in and Set-up, including Bonds and Insurance	L.S.	1	\$ 21,000.00	\$ 21,000.00
Paving Items					
2.	Removal of Existing ADA Compliant Ramp	Ea.	1	\$ 500.00	\$ 1,000.00
3.	Installation of ADA Compliant Ramp	Ea.	1	\$ 2,500.00	\$ 3,000.00
4.	Removal and Replacement of Asphalt Pavement	S.Y.	50	\$ 150.00	\$ 8,000.00
5.	Removal and Replacement of Gravel Driveway	S.Y.	20	\$ 50.00	\$ 1,000.00
				Subtotal Paving Items	\$ 13,000.00
Storm Sewer Items					
6.	Removal of Existing 36-inch Storm Sewer	L.F.	570	\$ 20.00	\$ 12,000.00
7.	Installation of 48-inch Storm Sewer via Open Cut	L.F.	570	\$ 130.00	\$ 75,000.00
8.	Removal of Existing Dual 18-inch Storm Sewer	L.F.	20	\$ 20.00	\$ 1,000.00
9.	Installation of 24-inch Storm Sewer via Open Cut	L.F.	20	\$ 80.00	\$ 2,000.00
10.	Trench Safety System	L.F.	590	\$ 2.00	\$ 2,000.00
11.	Removal of Existing Inlet Structure	Ea.	1	\$ 2,000.00	\$ 2,000.00
12.	Installation of an H-2 Inlet	Ea.	1	\$ 6,000.00	\$ 6,000.00
13.	Installation of Storm Outfall Structure	Ea.	1	\$ 6,000.00	\$ 6,000.00
				Subtotal Storm Sewer Items	\$ 106,000.00
Misc.					
14.	Site Preparation	L.S.	1	\$ 5,000.00	\$ 5,000.00
15.	Site Restoration (Grading, Replacement of Fences, etc.)	L.S.	1	\$ 2,000.00	\$ 2,000.00
16.	Storm Water Pollution Prevention Plan	L.S.	1	\$ 2,000.00	\$ 2,000.00
				Subtotal Misc Items	\$ 9,000.00
				Subtotal All Items	\$ 136,000.00
	Contingencies (15%)				\$ 21,000.00
	Engineering (15%)				\$ 21,000.00
	TOTAL				\$ 178,000.00 ⁽²⁾

NOTES :

⁽¹⁾ All Totals have been rounded up to the nearest \$1,000.
⁽²⁾ This cost estimate was created for construction budgeting estimation during the bidding process. This estimate was not prepared under the supervision of an engineer, and is not acceptable to be released to any clients or third-parties.

This Document is Released for the Purpose of:
General Financial Planning
 It is Preliminary in Nature and not to be Used for
 Feasibility of Land Purchases, Loans or Grants



Replace ADA Ramp

Remove 18 LF Ex. Dual 18"
Replace with 24" Storm Sewer

Remove ADA Ramp

Remove and Replace
Ex. Inlet with H-2



**PRELIMINARY COST ESTIMATE
FOR CONSTRUCTION OF
HOLLY LANE DRAINAGE IMPROVEMENTS
FOR
CITY OF BAY CITY
SEPTEMBER 2, 2020**

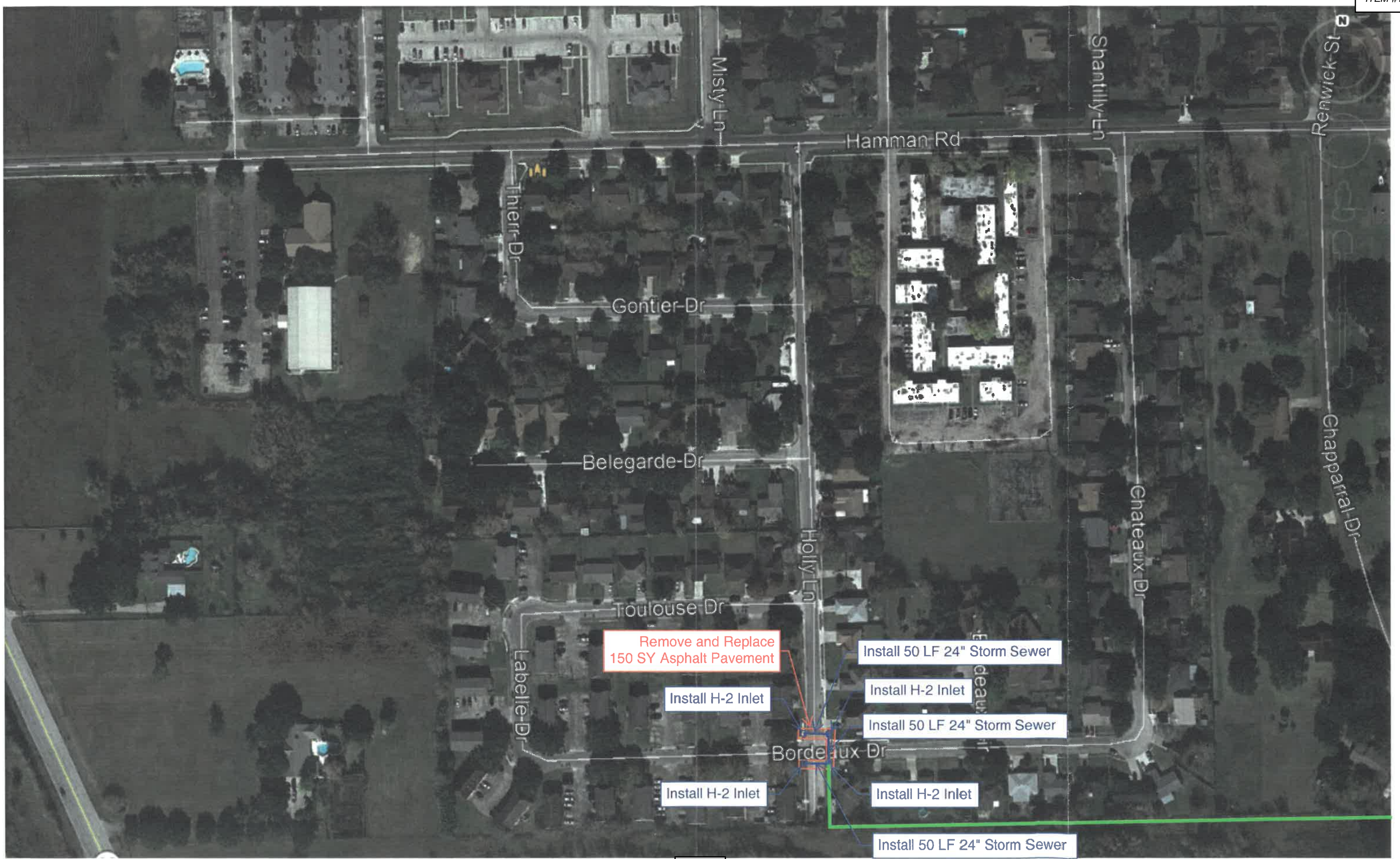
Item No.	Description	Unit	Quantity	Unit Price	Total ⁽¹⁾
1.	Move-in and Set-up, including Bonds and Insurance	L.S.	1	\$50,000.00	\$ 50,000.00
Paving Items					
2.	Removal and Replacement of Asphalt Pavement	S.Y.	100	\$ 150.00	\$ 15,000.00
Subtotal Paving Items					\$ 15,000.00
Storm Sewer Items					
3.	Installation of 24-inch Storm Sewer via Open Cut	L.F.	150	\$ 100.00	\$ 15,000.00
4.	Installation of 36-inch Storm Sewer via Open Cut	L.F.	1,850	\$ 120.00	\$ 222,000.00
5.	Trench Safety System	L.F.	2,000	\$ 2.00	\$ 4,000.00
6.	Installation of H-2 Inlet	Ea.	4	\$ 6,000.00	\$ 24,000.00
7.	Installation of Storm Outfall Structure	Ea.	1	\$ 6,000.00	\$ 6,000.00
Subtotal Storm Sewer Items					\$ 271,000.00
Misc.					
8.	Site Preparation	L.S.	1	5,000.00	\$ 5,000.00
9.	Site Restoration (Grading, Replacement of Fences, etc	L.S.	1	2,000.00	\$ 2,000.00
10.	Storm Water Pollution Prevention Plan	L.S.	1	2,000.00	\$ 2,000.00
Subtotal Misc Items					\$ 9,000.00
Subtotal All Items					\$330,000.00
Contingencies (15%)					\$ 50,000.00
Engineering (15%)					\$ 50,000.00
TOTAL					\$430,000.00 ⁽²⁾

NOTES :

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⁽²⁾ This cost estimate was created for construction budgeting estimation during the bidding process. This estimate was not prepared under the supervision of an engineer, and is not acceptable to be released to any clients or third-parties.

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Remove and Replace
150 SY Asphalt Pavement

Install H-2 Inlet

Install H-2 Inlet

Install 50 LF 24" Storm Sewer

Install H-2 Inlet

Install 50 LF 24" Storm Sewer

Install H-2 Inlet

Install 50 LF 24" Storm Sewer





5-Year CIP – Utility Fund Summary

ITEM #1.

Utility Fund	Amount	2020	2021	2022	2023	2024
Water	\$ 16,700,400	\$ 1,500,000	\$ 6,412,200	\$ 5,000,000	\$ 2,663,200	\$ 1,125,000
Wastewater	\$ 15,030,000	\$ 310,000	\$ 6,000,000	\$ 6,310,000	\$ 2,300,000	\$ 110,000
Building & Improvements	\$ 527,600	\$ -	\$ 100,000	\$ 50,000	\$ -	\$ 377,600
Equipment	\$ 1,737,442	\$ 1,587,442	\$ 150,000	\$ -	\$ -	\$ -
Total Utility Fund:	\$ 33,995,442	\$ 3,397,442	\$ 12,662,200	\$ 11,360,000	\$ 4,963,200	\$ 1,612,600



5-Year CIP – Utility Fund – Water Projects

ITEM #1.

Utilities Water	Amount	2020	2021	2022	2023	2024
Fire Hydrant & Valve Rehab Program	\$ 100,000	50,000			50,000	
12-Inch New Waterline Extension, 7,500 LF • SH35 East	\$ 1,000,000		1,000,000			
Replace Waterlines Northwest Quadrant	\$ 350,000	350,000				
Water System Improvements (New Water Plant, 12" Waterline)	\$ 400,000	400,000				
New Water Plant No. 7 (North-East Side)	\$ 10,000,000		5,000,000	5,000,000		
12-Inch Waterline Replacement, 7,000 LF • 5th St - Phase II-2,	\$ 750,000					750,000
Public Water System - Airport Well	\$ 375,000					375,000
Katy Water Plant No.3 - Electrical Improvements	\$ 700,000	700,000				
Mockingbird Water Well No.7 - Rework	\$ 353,000				353,000	
Mockingbird Water Plant No.2 - Electrical Improvements	\$ 774,000				774,000	
6th St & Ave I Water Well No.9 - Rework	\$ 368,000				368,000	
Water Plant Recoatings - 1) Whitson-EST; 2) Liberty-EST; 3) 6	\$ 749,400		412,200		337,200	
4th St & Ave B Water Plant No.1 - Electrical Improvements	\$ 781,000				781,000	
Totals for Water Projects:	\$ 16,700,400	\$ 1,500,000	\$ 6,412,200	\$ 5,000,000	\$ 2,663,200	\$ 1,125,000

LEGEND:

-  EXIST 12-INCH WATER
-  PROP 12-INCH WATER
-  EXIST 10-INCH FORCE MAIN
-  PROP 12-INCH GRAVITY SEWER

Fiscal Year 2021

Project: 12" Waterline Extension Along SH35 East- 7,500 LF

Estimate: \$1,000,000

Budget Source: Grants/Reserves



PROJECT BREAKDOWN

WATER EXTENSIONS:

- 6,700 LF 12-Inch Water:
- 200 LF Trenchless Construction w/ Steel Casing
- 750 LF Trenchless Construction
- 22 Fire Hydrants
- 7 Gate Valves

6,700 LF 12-Inch Sanitary Sewer:

- 200 LF Trenchless Construction w/ Steel Casing
- 750 LF Trenchless Construction
- 13 Manholes

**OVERALL LAYOUT
BAY CITY
UTILITY EXTENSIONS TO
VAN VLECK**

MATAGORDA COUNTY, TEXAS
APRIL 2018

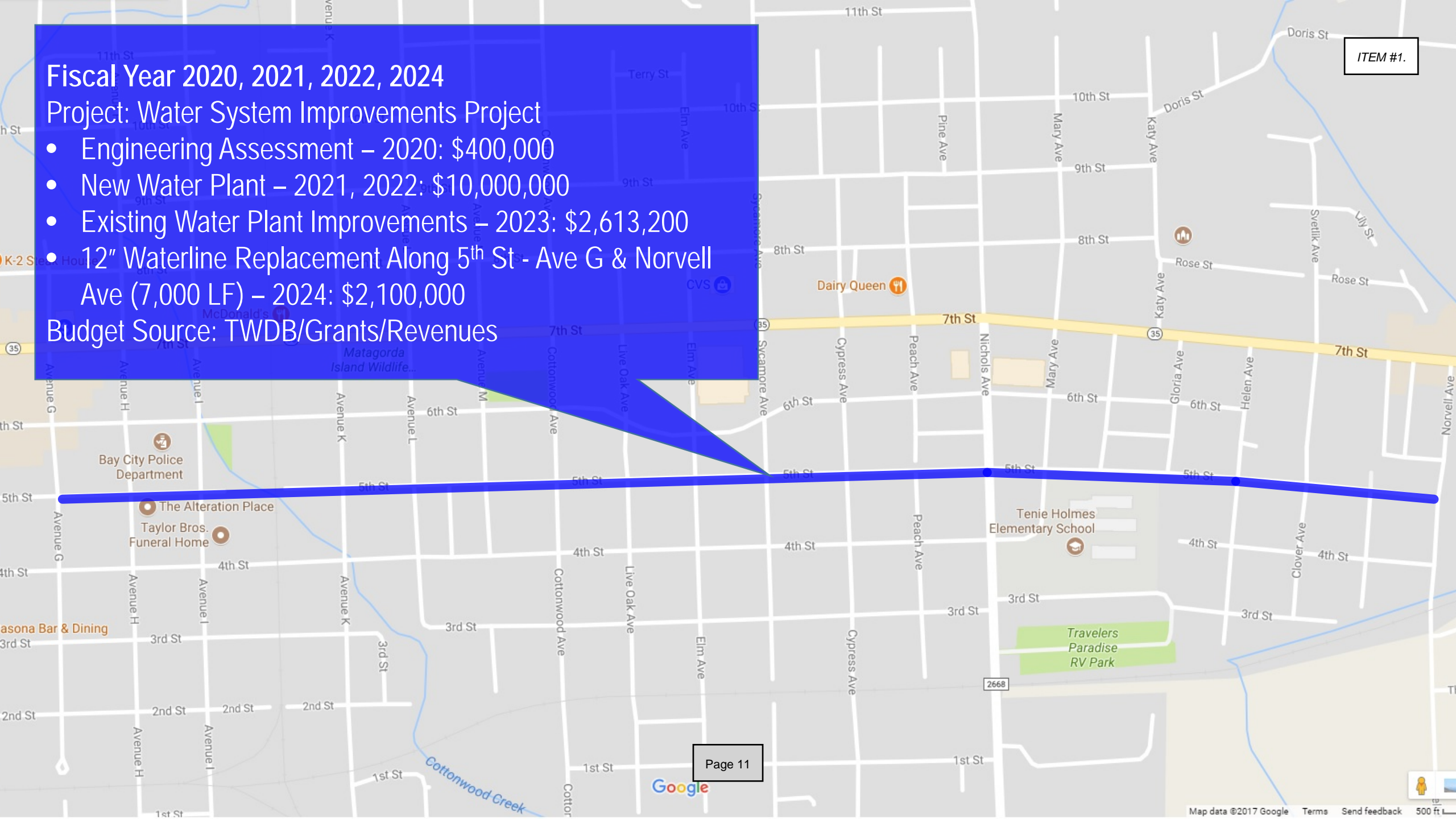
Fiscal Year 2020, 2021, 2022, 2024

Project: Water System Improvements Project

- Engineering Assessment – 2020: \$400,000
- New Water Plant – 2021, 2022: \$10,000,000
- Existing Water Plant Improvements – 2023: \$2,613,200
- 12" Waterline Replacement Along 5th St - Ave G & Norvell Ave (7,000 LF) – 2024: \$2,100,000

Budget Source: TWDB/Grants/Revenues

ITEM #1.





5-Year CIP – Utility Fund – Water Projects

ITEM #1.

Fiscal Year 2020

Project: Katy Water Plant Electrical Improvements

Estimate: \$700,000

Budget Source: Operating Budget



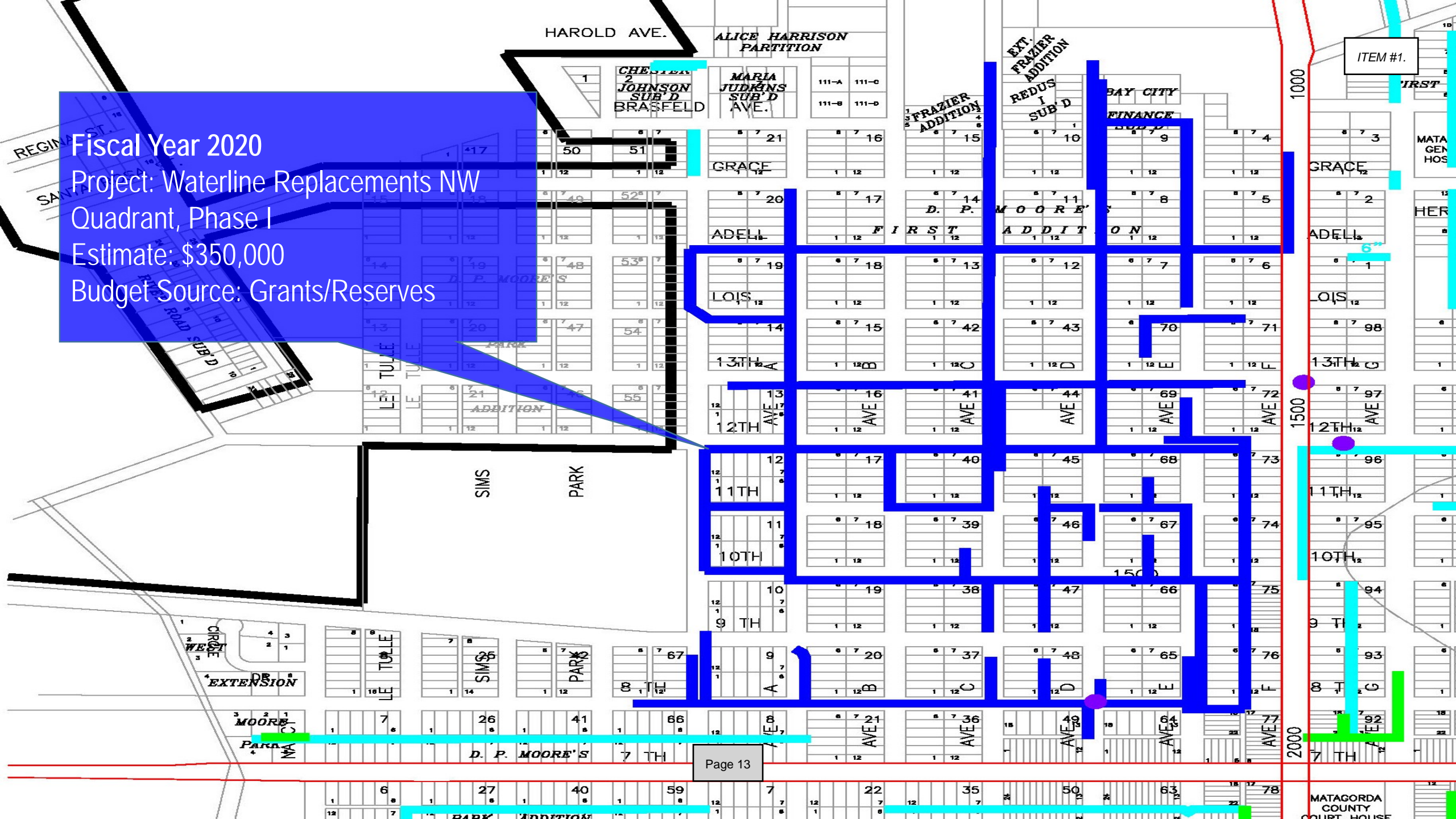
Fiscal Year 2020

Project: Waterline Replacements NW

Quadrant, Phase I

Estimate: \$350,000

Budget Source: Grants/Reserves





5-Year CIP – Utility Fund – Wastewater Projects

ITEM #1.

Utilities Wastewater	Amount	2020	2021	2022	2023	2024
Manhole Rehab Program	\$ 180,000	60,000		60,000		60,000
Lift Station Rehab Program	\$ 100,000			50,000		50,000
12-Inch New Sewerline Extension, 7,500 LF • SH35 East	\$ 1,000,000		1,000,000			
WWTP Rehabilitation – Phase I-Engineering Assessment	\$ 250,000	250,000				
WWTP Rehabilitation – Phase II-Construction (Lift Station, Headworks)	\$ 7,500,000		5,000,000	2,500,000		
2 42-inch to 30-inch Gravity Sewer Rehabilitation Main Trunklines	\$ 3,700,000			3,700,000		
5 27-inch to 24-inch Gravity Sewer Rehabilitation \$2,300,000	\$ 2,300,000				2,300,000	
Totals for Wastewater Projects:	\$ 15,030,000	\$ 310,000	\$ 6,000,000	\$ 6,310,000	\$ 2,300,000	\$ 110,000

LEGEND:

-  EXIST 12-INCH WATER
-  PROP 12-INCH WATER
-  EXIST 10-INCH FORCE MAIN
-  PROP 12-INCH GRAVITY SEWER

Fiscal Year 2019

Project: 12" Sewerline Extension Along

SH35 East- 7,500 LF

Estimate: \$1,000,000

Budget Source: Grants/Reserves



PROJECT BREAKDOWN

WATER EXTENSIONS:

- 6,700 LF 12-Inch Water:
- 200 LF Trenchless Construction w/ Steel Casing
- 750 LF Trenchless Construction
- 22 Fire Hydrants
- 7 Gate Valves

6,700 LF 12-Inch Sanitary Sewer:

- 200 LF Trenchless Construction w/ Steel Casing
- 750 LF Trenchless Construction
- 13 Manholes

**OVERALL LAYOUT
BAY CITY
UTILITY EXTENSIONS TO
VAN VLECK**

MATAGORDA COUNTY, TEXAS
APRIL 2018

Fiscal Year 2020, 2021, 2022, 2023

Project: Wastewater Treatment Plant Rehab

- Engineering Assessment – 2020: \$250,000
- WWTP Improvements – 2021, 2022: \$7,500,000
- Sewer Trunkline Rehab – 2022, 2023: \$6,000,000

Budget Source: Grants/Revenues

ITEM #1.

Cottonwood Creek

Cottonwood Creek

Cottonwood Creek



5-Year CIP – Utility Fund – Building & Improvements

ITEM #1.

Building & Improvements	Amount	2020	2021	2022	2023	2024
MSB Renovations (New Lobby Restrooms)	\$ 100,000		100,000			
MSB Renovations (Remodel Women's Restroom)	\$ 50,000			50,000		
Extend Equipment/Material Storage Buildings	\$ 207,600					207,600
Replace Roof - MSB Shop	\$ 130,000					130,000
Coat Ceiling - MSB Shop	\$ 40,000					40,000
	\$ -					
Totals for Building & Improvement Projects:	\$ 527,600	\$ -	\$ 100,000	\$ 50,000	\$ -	\$ 377,600





5-Year CIP – Utility Fund – Equipment > \$100,000

ITEM #1.

Utilities Equipment >\$100,000	Amount	2020	2021	2022	2023	2024
Backup Generator - Ave B/4th St Water Plant, Grant Match	\$ 68,703	68,703				
Backup Generator - Ave B/4th St Water Plant, Grant	\$ 206,109	206,109				
Backup Generator - Ave I Sewer Lift Station, Grant Match	\$ 33,141	33,141				
Backup Generator - Ave I Sewer Lift Station, Grant	\$ 99,422	99,422				
Backup Generator - WWTP, Grant Match	\$ 250,716	250,716				
Backup Generator - WWTP, Grant	\$ 752,147	752,147				
Portable Generator (2 Each) - Lift Stations, Grant Match	\$ 44,301	44,301				
Portable Generator (2 Each) - Lift Stations, Grant	\$ 132,903	132,903				
Backhoe	\$ 150,000		150,000			
Totals for Building & Improvement Projects:	\$ 1,737,442	\$ 1,587,442	\$ 150,000	\$ -	\$ -	\$ -





5-Year CIP – Utility Fund Summary & Sources of Funding

ITEM #1.

Utility Fund	Amount	2020	2021	2022	2023	2024
Water	\$ 16,700,400	\$ 1,500,000	\$ 6,412,200	\$ 5,000,000	\$ 2,663,200	\$ 1,125,000
Wastewater	\$ 15,030,000	\$ 310,000	\$ 6,000,000	\$ 6,310,000	\$ 2,300,000	\$ 110,000
Building & Improvements	\$ 527,600	\$ -	\$ 100,000	\$ 50,000	\$ -	\$ 377,600
Equipment	\$ 1,737,442	\$ 1,587,442	\$ 150,000	\$ -	\$ -	\$ -
Total Utility Fund:	\$ 33,995,442	\$ 3,397,442	\$ 12,662,200	\$ 11,360,000	\$ 4,963,200	\$ 1,612,600

Sources of Funds:	Amount	2020	2021	2022	2023	2024
Operating Budget	\$ 2,761,960	1,089,360	650,000	110,000	50,000	862,600
Grants (EDA, TDA, H-GAC, LCRA, TxDOT, etc.)	\$ 3,053,081	1,453,081	1,600,000			
Transfers	\$ -					
Other Sources (i.e. BCCDC, Interlocals, Donations, etc.)	\$ -					
Bond/Loan Proceeds (i.e. TWDB, etc.)	\$ 26,113,200		10,000,000	11,200,000	4,913,200	
Hotel/Motel	\$ -					
Street/Sidewalk (Reserves) - Fund 28	\$ -					
Operational Savings (Reserves)	\$ 2,067,200	855,000	412,200	50,000		750,000
Tax Note	\$ -					
	\$ -					
Total Resources Planned:	\$ 33,995,442	\$ 3,397,442	\$ 12,662,200	\$ 11,360,000	\$ 4,963,200	\$ 1,612,600