



# 5-Year CIP – Utility Fund Summary

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

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	
<b>Totals for Water Projects:</b>	<b>\$ 16,700,400</b>	<b>\$ 1,500,000</b>	<b>\$ 6,412,200</b>	<b>\$ 5,000,000</b>	<b>\$ 2,663,200</b>	<b>\$ 1,125,000</b>

## 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

Prop 12" Gravity San Sew

Prop 12" Water

Baroid Drive

Exist Lift Station

Exist 10" Force Main

Exist 12" Water

Highway 35 (7th Street)

BAY CITY

VAN VLECK

## OVERALL LAYOUT BAY CITY UTILITY EXTENSIONS TO VAN VLECK

MATAGORDA COUNTY, TEXAS  
APRIL 2018



**JONES | CARTER**  
Texas Board of Professional Engineers Registration No. F-439  
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

### 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

JONES | CARTER

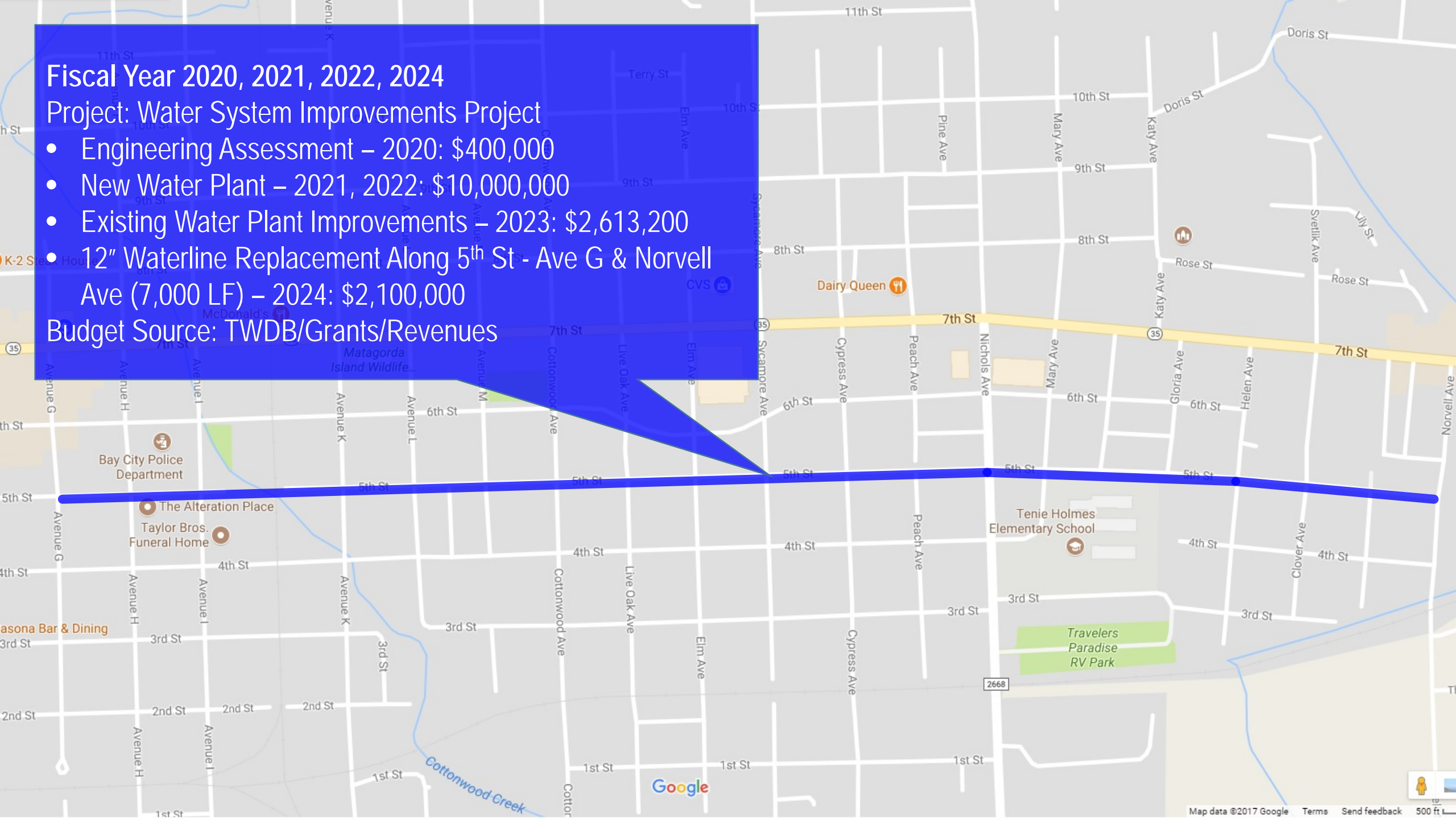


## Fiscal Year 2020, 2021, 2022, 2024

### 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 5<sup>th</sup> St - Ave G & Norvell Ave (7,000 LF) – 2024: \$2,100,000

Budget Source: TWDB/Grants/Revenues







# 5-Year CIP – Utility Fund – Water Projects

Fiscal Year 2020

Project: Katy Water Plant Electrical Improvements

Estimate: \$700,000

Budget Source: Operating Budget



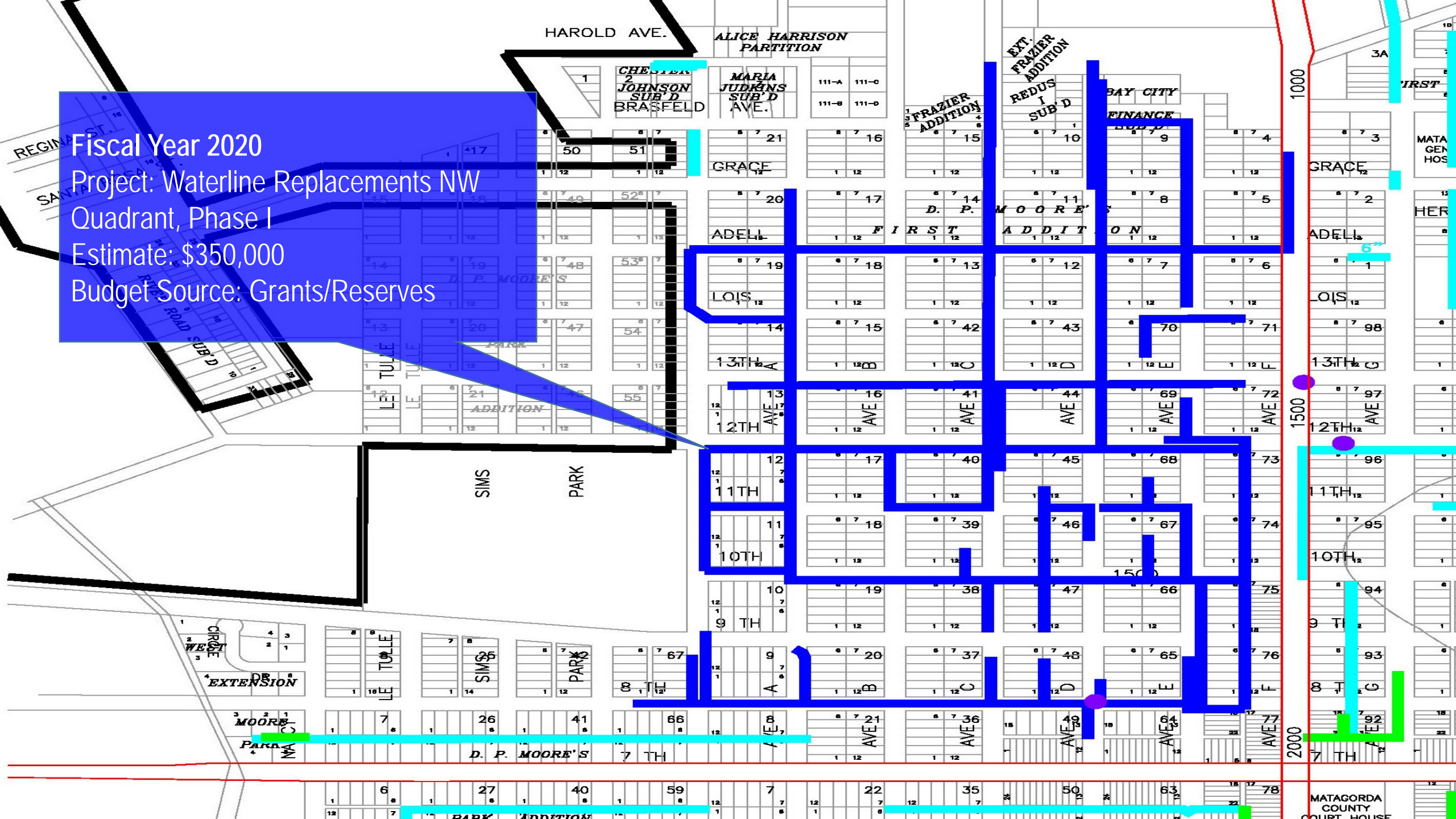


Fiscal Year 2020

Project: Waterline Replacements NW  
Quadrant, Phase I

Estimate: \$350,000

Budget Source: Grants/Reserves





## 5-Year CIP – Utility Fund – Wastewater Projects

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 Trunkline	\$ 3,700,000			3,700,000		
5 27-inch to 24-inch Gravity Sewer Rehabilitation \$2,300,000 2	\$ 2,300,000				2,300,000	
<b>Totals for Wastewater Projects:</b>	<b>\$ 15,030,000</b>	<b>\$ 310,000</b>	<b>\$ 6,000,000</b>	<b>\$ 6,310,000</b>	<b>\$ 2,300,000</b>	<b>\$ 110,000</b>



## 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

Prop 12" Gravity San Sew

Prop 12" Water

Baroid Drive

Exist Lift Station

Exist 10" Force Main

Exist 12" Water

Highway 35 (7th Street)

BAY CITY

VAN VLECK

## OVERALL LAYOUT BAY CITY UTILITY EXTENSIONS TO VAN VLECK

MATAGORDA COUNTY, TEXAS  
APRIL 2018

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JONES | CARTER



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



City of Bay City

Hedgerose Ln

Hedgerose Ln

Cottonwood Creek

Cottonwood Creek

ood Creek





# 5-Year CIP – Utility Fund – Building & Improvements

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

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			
<b>Totals for Building &amp; Improvement Projects:</b>	<b>\$ 1,737,442</b>	<b>\$ 1,587,442</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>





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

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	\$ -	\$ -	\$ -
<b>Total Utility Fund:</b>	<b>\$ 33,995,442</b>	<b>\$ 3,397,442</b>	<b>\$ 12,662,200</b>	<b>\$ 11,360,000</b>	<b>\$ 4,963,200</b>	<b>\$ 1,612,600</b>

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	\$ -					
	\$ -					
<b>Total Resources Planned:</b>	<b>\$ 33,995,442</b>	<b>\$ 3,397,442</b>	<b>\$ 12,662,200</b>	<b>\$ 11,360,000</b>	<b>\$ 4,963,200</b>	<b>\$ 1,612,600</b>