



CITY OF BAY CITY

5-YEAR CAPITAL IMPROVEMENTS PROGRAM

2018 - 2022





5-Year Capital Plan Summary

City Wide

General Fund	Amount	2018	2019	2020	2021	2022
Streets & Sidewalks	\$ 7,569,000.00	\$ 3,000,000.00	\$ 569,000.00	\$ 300,000.00	\$ 3,500,000.00	\$ 200,000.00
Parks	\$ 924,000.00	\$ 70,000.00	\$ 404,000.00	\$ 150,000.00	\$ 100,000.00	\$ 200,000.00
Building & Improvements	\$ 2,891,500.00	\$ 1,475,000	\$ 270,000	\$ 221,000	\$ 528,000	\$ 397,500
Total General Fund:	\$ 11,384,500	\$ 4,545,000	\$ 1,243,000	\$ 671,000	\$ 4,128,000	\$ 797,500
Utility Fund	Amount	2018	2019	2020	2021	2022
Water	\$ 6,516,200	\$ 1,173,000	\$ 400,000	\$ 698,000	\$ 3,369,200	\$ 876,000
Wastewater	\$ 2,035,000	\$ 700,000	\$ 930,000	\$ 135,000	\$ 135,000	\$ 135,000
Building & Improvements	\$ 225,000	\$ -	\$ -	\$ 100,000	\$ 50,000	\$ 75,000
Total Utility Fund:	\$ 8,776,200	\$ 1,873,000	\$ 1,330,000	\$ 933,000	\$ 3,554,200	\$ 1,086,000
Airport Fund	Amount	2018	2019	2020	2021	2022
Bay City Regional Airport	\$ 7,526,000	\$ 61,000	\$ 1,185,000	\$ 425,000	\$ 3,180,000	\$ 2,675,000
Total Airport Fund:	\$ 7,526,000	\$ 61,000	\$ 1,185,000	\$ 425,000	\$ 3,180,000	\$ 2,675,000
Totals:	\$ 27,686,700	\$ 6,479,000	\$ 3,758,000	\$ 2,029,000	\$ 10,862,200	\$ 4,558,500



5-Year CIP – General Fund Summary

General Fund	Amount	2018	2019	2020	2021	2022
Streets & Sidewalks	\$ 7,569,000.00	\$ 3,000,000.00	\$ 569,000.00	\$ 300,000.00	\$ 3,500,000.00	\$ 200,000.00
Parks	\$ 924,000.00	\$ 70,000.00	\$ 404,000.00	\$ 150,000.00	\$ 100,000.00	\$ 200,000.00
Building & Improvements	\$ 2,891,500.00	\$ 1,475,000	\$ 270,000	\$ 221,000	\$ 528,000	\$ 397,500
Total General Fund:	\$ 11,384,500	\$ 4,545,000	\$ 1,243,000	\$ 671,000	\$ 4,128,000	\$ 797,500



5-Year CIP – Street Projects (streets, sidewalks)

Streets & Sidewalks	Amount	2018	2019	2020	2021	2022
Street Reconstruction Projects	5,500,000	3,000,000	-		2,500,000	
Street Seal Coat Projects	200,000	-	-	200,000	-	-
Sidewalk New/Replace Project	869,000		569,000	100,000	-	200,000
Nile Valley Road - Phase I	1,000,000			-	1,000,000	
Totals for Street & Sidewalk Projects:	\$ 7,569,000	\$ 3,000,000	\$ 569,000	\$ 300,000	\$ 3,500,000	\$ 200,000




Fiscal Year 2018

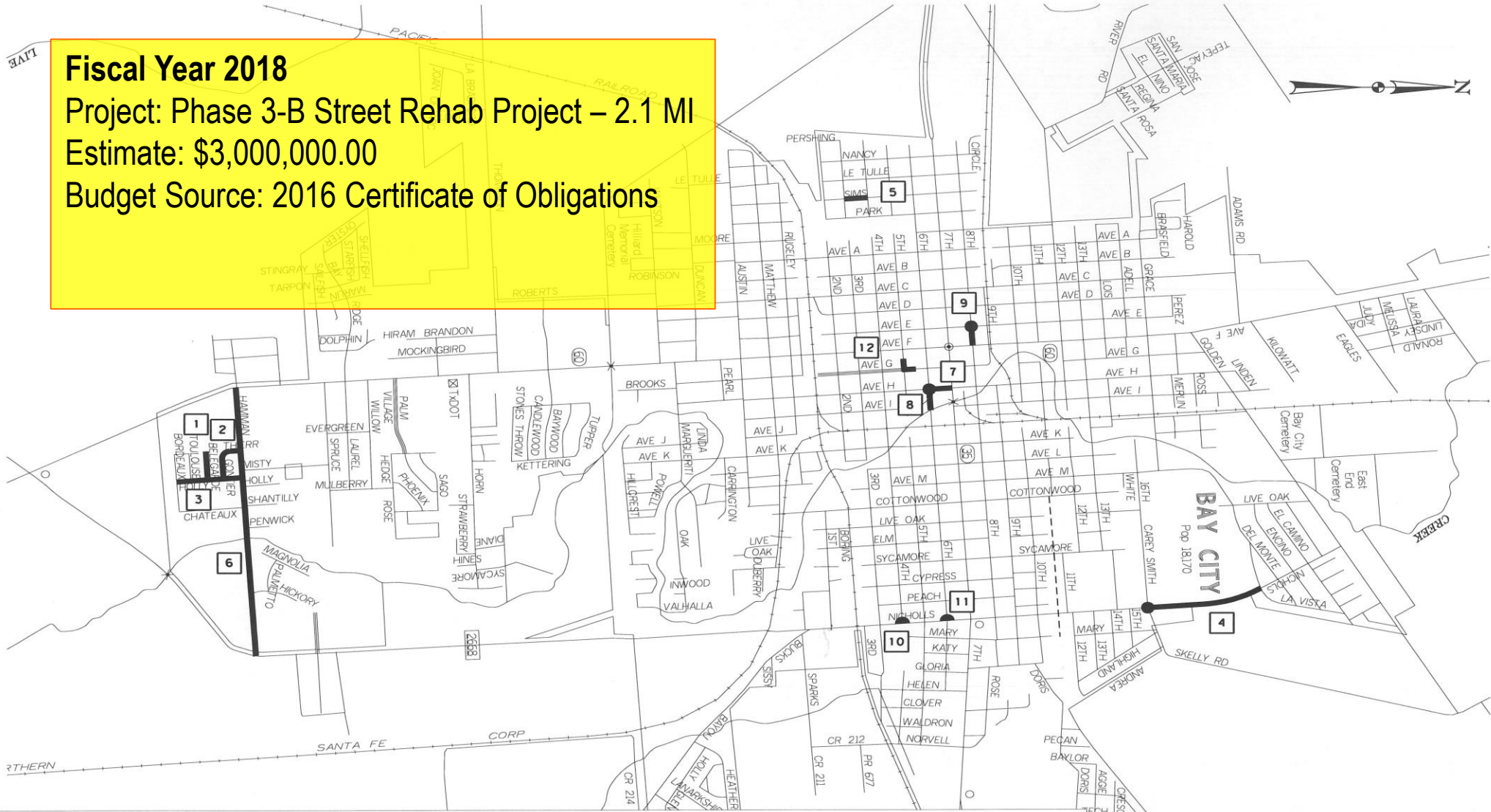
Project: Phase 3-B Street Rehab Project – 2.1 MI

Estimate: \$3,000,000.00

Budget Source: 2016 Certificate of Obligations

LEGEND

-  STREET LOCATION
-  PROJECT NUMBER
-  INTERSECTION LOCATION



SUMMARY OF PROJECTS

STREET	LIMITS	TYPE OF WORK
1 BELEGARDE DR	END OF PVMT TO HOLLY LN	FULL REHAB, ACP OVERLAY, REPLACE C&G
2 GONTIER DR/THIERR DR	HAMMAN RD TO HOLLY DR	FULL REHAB, ACP OVERLAY, REPLACE C&G
3 HOLLY LN	HAMMAN RD TO BORDEAUX DR	FULL REHAB, ACP OVERLAY, REPLACE C&G
4 NICHOLS AVE	LA VISTA AVE TO CAREY SMITH BLVD	FULL REHAB, CONC PVMT OR ACP OVERLAY, STRIPING, SIDEWALK
5 SIMS ST	3RD ST TO 4TH ST	FULL REHAB, ACP OVERLAY, C&G, DRAINAGE
6 HAMMAN RD	SH 60 TO FM 2668	ACP OVERLAY, STRIPING
7 AVE H	6TH ST TO 7TH ST	ACP OVERLAY, STRIPING
8 6TH ST	AVE H TO AVE I	PEDESTRIAN ELEMENTS, ACP OVERLAY, STRIPING
9 8TH ST	AVE E TO AVE F	PEDESTRIAN ELEMENTS, ACP OVERLAY, STRIPING
10 4TH ST INTERSECTION	@ NICHOLS AVE, WEST SIDE	PEDESTRIAN ELEMENTS, CONCRETE INTERSECTION
11 6TH ST INTERSECTION	@ NICHOLS AVE, WEST SIDE	PEDESTRIAN ELEMENTS, CONCRETE INTERSECTION
12 5TH ST	@ AVE G (NW CORNER)	PED ELEMENTS, BRICK PAVERS, REPLACE C&G

CIVILCORP, LLC
FIRM REGISTRATION NUMBER: 10283

99% PRELIMINARY REVIEW
DOCUMENT IS FOR INTERIM REVIEW AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

BLAISE H. DREITNER, PE
NAME

65843
TEXAS SERIAL NO.

7/14/2017
DATE

THE CITY OF
BAY CITY
TEXAS

CivilCorp
ENGINEERS • SURVEYORS
702 IRVINE ST, YOAKUM, TEXAS 77995
TEL: (361) 427-4011 TBPE# 10283

2017 REHABILITATION ON VARIOUS STREETS

PROJECT LAYOUT

Fiscal Year 2019

Project: SH60 South Sidewalk – 3,210 LF

Estimate: \$569,000

Budget Source: Grant/Revenues

\$124,000 (Engineering/Match)

\$445,000 (Construction/Grant)





5-Year CIP – Sidewalk & Sealcoat Projects

**FISCAL YEAR 2019, 2020, 2022
SIDEWALK REHAB PROJECTS
DEDICATE \$100,000-\$200,000**

Streets & Sidewalks	Amount	2018	2019	2020	2021	2022
Street Reconstruction Projects	5,500,000	3,000,000	-	-	2,500,000	-
Street Seal Coat Projects	200,000	-	-	200,000	-	-
Sidewalk New/Replace Project	869,000	-	569,000	100,000	-	200,000
Nile Valley Road - Phase I	1,000,000	-	-	-	1,000,000	-
	-	-	-	-	-	-
Totals for Street & Sidewalk Projects:	\$ 7,569,000	\$ 3,000,000	\$ 569,000	\$ 300,000	\$ 3,500,000	\$ 200,000

Parks

Parks

Parks

DURING YEARS WHERE THE CITY IS NOT DOING LARGE STREET PROJECT—FOCUS ON PARKS, SIDEWALKS, & SEALCOATING

Fiscal Year 2021

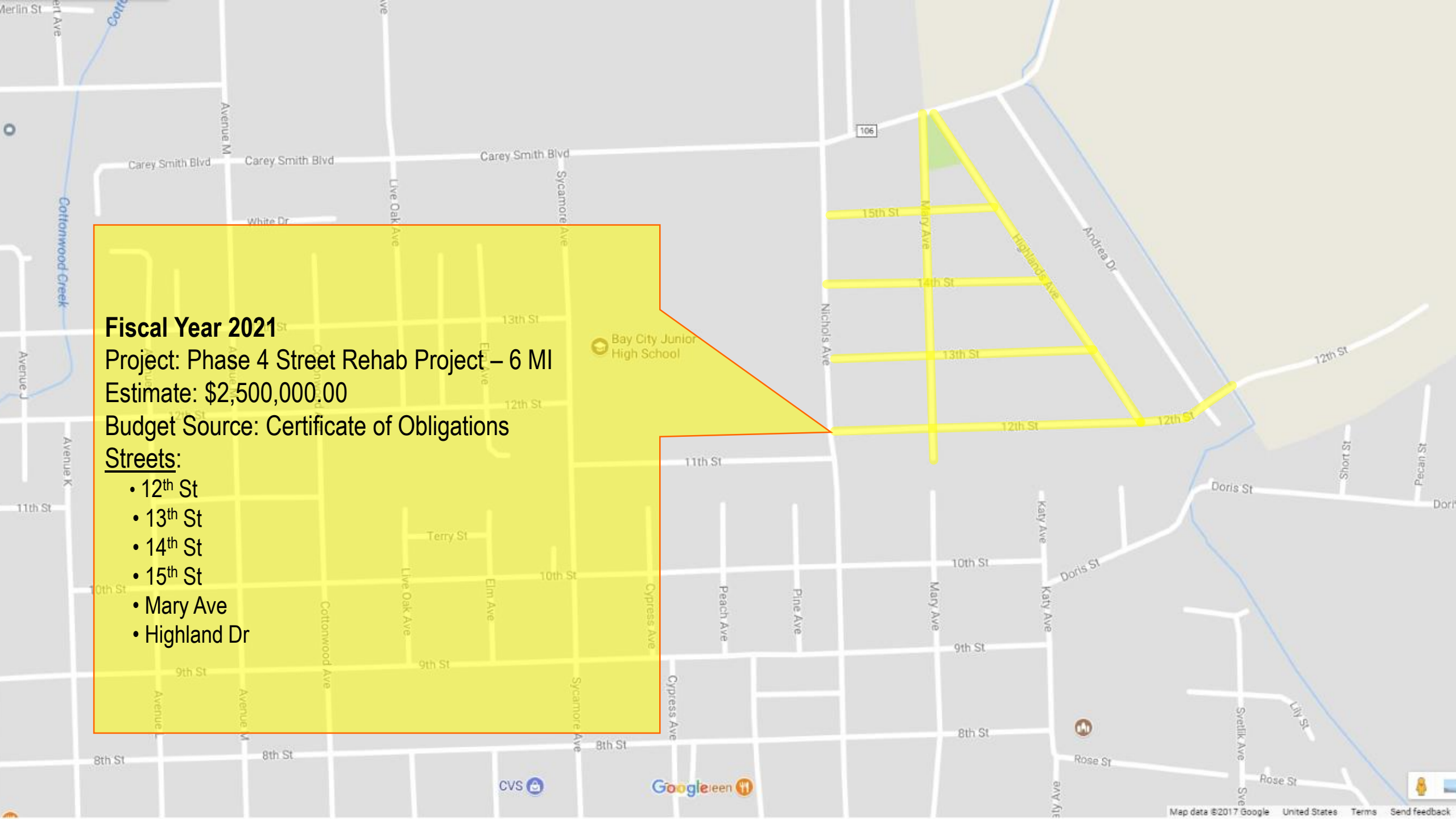
Project: Phase 4 Street Rehab Project – 6 MI

Estimate: \$2,500,000.00

Budget Source: Certificate of Obligations

Streets:

- 12th St
- 13th St
- 14th St
- 15th St
- Mary Ave
- Highland Dr





5-Year CIP – Street Projects (streets, sidewalks)

Streets & Sidewalks	Amount	2018	2019	2020	2021	2022
Street Reconstruction Projects	5,500,000	3,000,000	-		2,500,000	
Street Seal Coat Projects	200,000	-	-	200,000	-	-
Sidewalk New/Replace Project	869,000		569,000	100,000	-	200,000
Nile Valley Road - Phase I	1,000,000			-	1,000,000	
Totals for Street & Sidewalk Projects:	\$ 7,569,000	\$ 3,000,000	\$ 569,000	\$ 300,000	\$ 3,500,000	\$ 200,000

Sources of Funds:	Amount	2018	2019	2020	2021	2022
Operating Budget	124,000		124,000			
Grants	445,000		445,000			
Other Sources (ie. BCCDC, Interlocals, etc.)	500,000				500,000	
Bond Proceeds	6,000,000	3,000,000			3,000,000	
Street/Sidewalk (Reserves) - Fund 28	500,000			300,000		200,000
Operational Savings (Reserves)	-					
Total Resources Planned:	\$ 7,569,000	\$ 3,000,000	\$ 569,000	\$ 300,000	\$ 3,500,000	\$ 200,000
Transfer to Street Reserve	1,350,000	\$ 225,000	\$ 225,000	\$ 300,000	\$ 300,000	\$ 300,000
Street Reserve Balance		\$ 225,000	\$ 450,000	\$ 450,000	\$ 750,000	\$ 850,000



5-Year CIP – Parks

Parks	Amount	2018	2019	2020	2021	2022
Southern Pacific Trailway - TxDOT Grant	204,000		204,000			
Park Improvements	720,000	70,000	200,000	150,000	100,000	200,000
Awaiting Parks Master Plan to Prioritize						
Totals for Parks Projects:	\$ 924,000	\$ 70,000	\$ 404,000	\$ 150,000	\$ 100,000	\$ 200,000

Large street projects are planned in FY 2018 & 2021.



5-Year CIP – Parks Projects



Fiscal Year 2018
\$70,000
BCCDC Funding

Fiscal Year 2019

Project: Southern Pacific Trailway – 2,000 LF
(Cottonwood Ave to Ave H)

Estimate: \$204,000

Budget Source: Grant/Revenues

\$64,000 (Engineering & Grant Match)

\$140,000 (Construction)

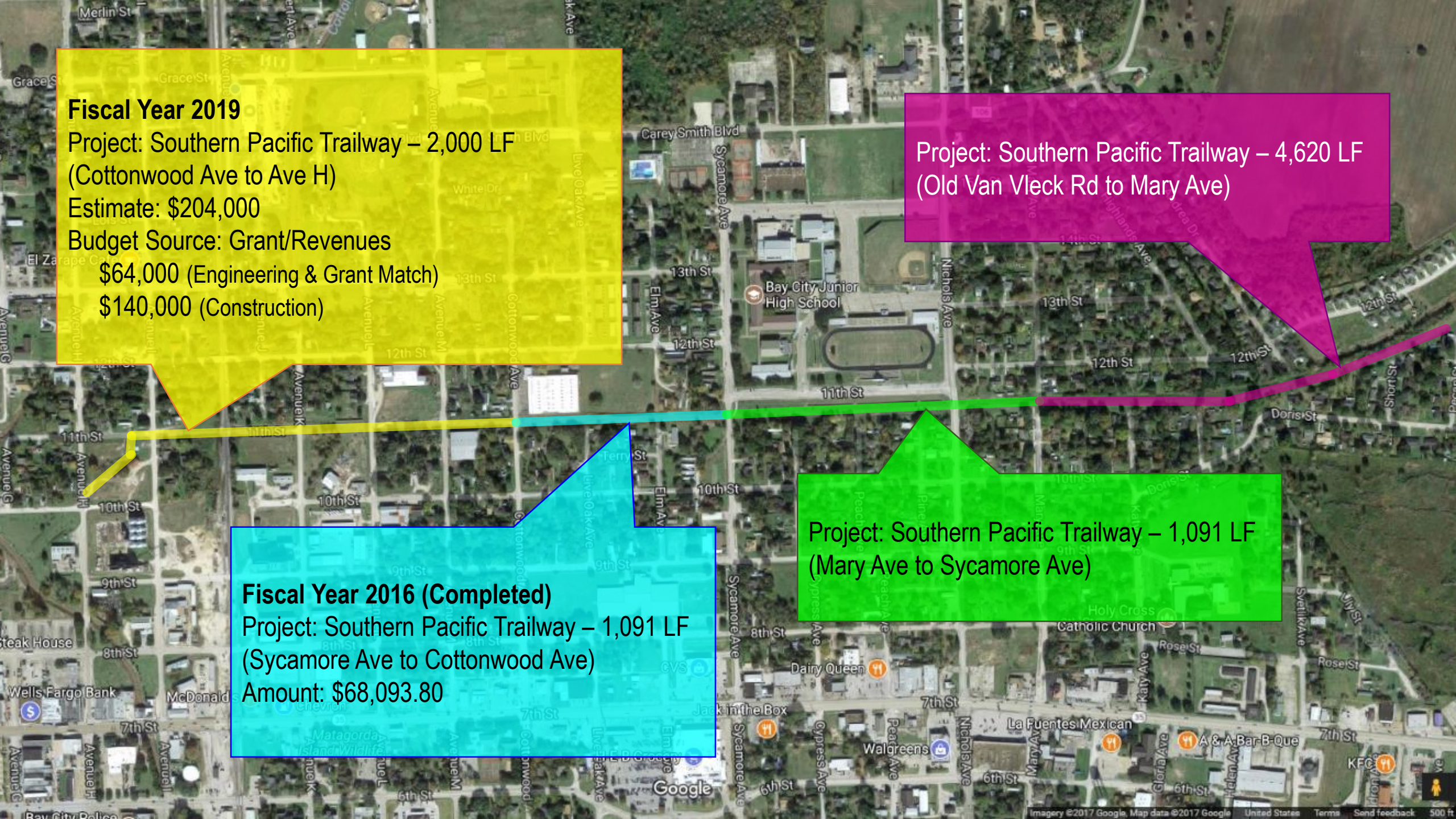
Project: Southern Pacific Trailway – 4,620 LF
(Old Van Vleck Rd to Mary Ave)

Fiscal Year 2016 (Completed)

Project: Southern Pacific Trailway – 1,091 LF
(Sycamore Ave to Cottonwood Ave)

Amount: \$68,093.80

Project: Southern Pacific Trailway – 1,091 LF
(Mary Ave to Sycamore Ave)





5-Year CIP – Parks Projects



Fiscal Year 2019-2022

\$100,000 - 200,000

Awaiting Parks Master Plan Results



5-Year CIP – Parks Projects



Park Improvements Fiscal Year 2018

Replacing picnic tables & trashcans- \$60,000

*Paid from maintenance budget





5-Year CIP – Building Improvements

Building & Improvements - General Fund	Amount	2018	2019	2020	2021	2022
Riverside Roofing & Painting	175,000	50,000	50,000	75,000		
Replace Roof - Library & Library Annex	522,500	265,000				257,500
Replace Roof/Building Repairs - City Hall	350,000				350,000	
Replace Roof - Civic Center	585,000	585,000				
Replace Roof - USO	178,000				178,000	
Replace Roof - Fire Department	146,000			146,000		
Replace Roof - Police Department	275,000	275,000				
Pedestrian Ramp at City Facilities	50,000					50,000
Replace Roof - Armory (Parks & Recreation)	90,000					90,000
Renovation - Old Texas Theater	300,000	300,000				
Relocate Recycling Center Building	220,000		220,000			
Totals Building & Improvement Projects:	\$ 2,891,500	\$ 1,475,000	\$ 270,000	\$ 221,000	\$ 528,000	\$ 397,500



5-Year CIP – Building Improvements Projects



FISCAL YEAR 2018
RIVERSIDE PARK PAVILIONS- \$50,000



5-Year CIP – Building Improvements Projects



Other Riverside Improvements Planned:

FISCAL YEAR 2019- \$50,000 RANGER RESIDENCE

FISCAL YEAR 2020- \$75,000 RANGER STATION



5-Year CIP – Building Improvements Projects



FISCAL YEAR 2018
LIBRARY ROOF- \$265,000



5-Year CIP – Building Improvements Projects



FISCAL YEAR 2018
CIVIC CENTER ROOF- \$585,000



5-Year CIP – Building Improvements Projects



Other Improvements Planned:

FISCAL YEAR 2019- \$220,000 RELOCATE RECYCLING CENTER

FISCAL YEAR 2021- \$178,000 REPLACE ROOF- SERVICE CENTER



5-Year CIP – Building Improvements Projects

Other Improvements Planned:
FISCAL YEAR 2018- \$275,000 REPLACE ROOF- POLICE

FISCAL YEAR 2018- \$300,000 RENOVATION OF OLD TEXAS THEATER

FISCAL YEAR 2020- \$146,000 REPLACE ROOF- FIRE

FISCAL YEAR 2021- \$350,000 REPLACE ROOF- CITY HALL

FISCAL YEAR 2022- REPLACE ROOF- ARMORY- \$90,000





5-Year CIP – General Fund Summary & Source of Funding

General Fund	Amount	2018	2019	2020	2021	2022
Streets & Sidewalks	\$ 7,569,000.00	\$ 3,000,000.00	\$ 569,000.00	\$ 300,000.00	\$ 3,500,000.00	\$ 200,000.00
Parks	\$ 924,000.00	\$ 70,000.00	\$ 404,000.00	\$ 150,000.00	\$ 100,000.00	\$ 200,000.00
Building & Improvements	\$ 2,891,500.00	\$ 1,475,000	\$ 270,000	\$ 221,000	\$ 528,000	\$ 397,500
Total General Fund:	\$ 11,384,500	\$ 4,545,000	\$ 1,243,000	\$ 671,000	\$ 4,128,000	\$ 797,500

Sources of Funds:	Amount	2018	2019	2020	2021	2022
Operating Budget	1,170,000	50,000	338,000	271,000	271,000	240,000
Grants	585,000	-	585,000	-	-	-
Transfers	-	-	-	-	-	-
Other Sources (ie. BCCDC, Interlocals, etc.)	2,244,500	610,000	320,000	100,000	857,000	357,500
Bond Proceeds	6,000,000	3,000,000	-	-	3,000,000	-
Hotel/Motel	885,000	885,000	-	-	-	-
Street/Sidewalk (Reserves) - Fund 28	500,000	-	-	300,000	-	200,000
Operational Savings (Reserves)	-	-	-	-	-	-
Total Resources Planned:	\$ 11,384,500	\$ 4,545,000	\$ 1,243,000	\$ 671,000	\$ 4,128,000	\$ 797,500



5-Year CIP – Utility Fund Summary

Utility Fund	Amount	2018	2019	2020	2021	2022
Water	\$ 6,516,200	\$ 1,173,000	\$ 400,000	\$ 698,000	\$ 3,369,200	\$ 876,000
Wastewater	\$ 2,035,000	\$ 700,000	\$ 930,000	\$ 135,000	\$ 135,000	\$ 135,000
Building & Improvements	\$ 225,000	\$ -	\$ -	\$ 100,000	\$ 50,000	\$ 75,000
Total Utility Fund:	\$ 8,776,200	\$ 1,873,000	\$ 1,330,000	\$ 933,000	\$ 3,554,200	\$ 1,086,000



5-Year CIP – UTILITY FUND- WATER PROJECTS

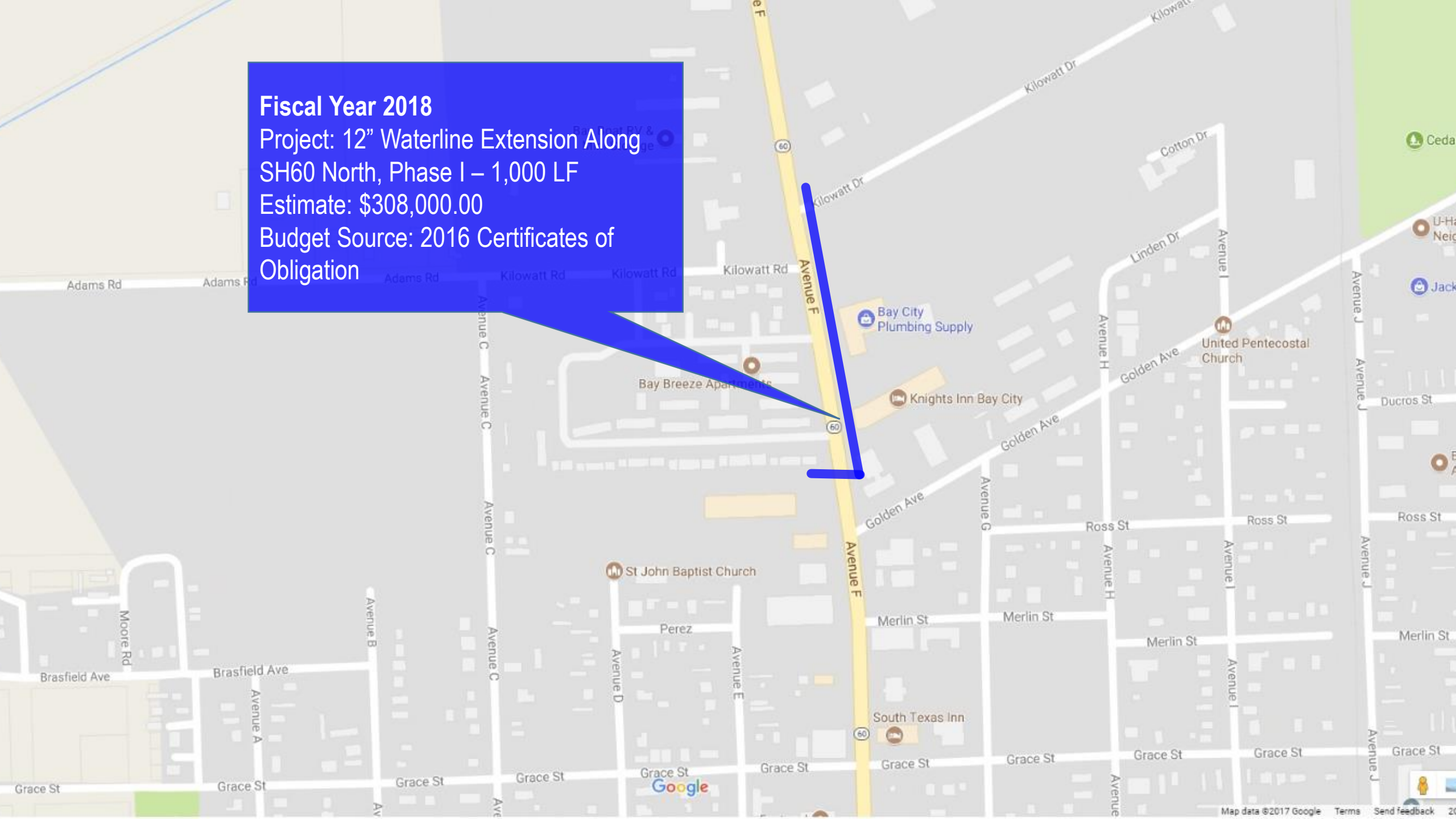
Utility Water	Amount	2018	2019	2020	2021	2022
Fire Hydrant & Valve Rehab Program	\$ 150,000	50,000	50,000		50,000	
Grace Street Water Plant #5 - Major Improvements	\$ 815,000	815,000				
12-Inch New Waterline Extension, 1,000 LF • SH60 North - Phase I	\$ 308,000	308,000				
12-Inch Waterline Replacement, 7,000 LF • 5th St	\$ 1,858,000				1,858,000	
Replace Waterlines Northwest Quadrant	\$ 350,000		350,000			
Katy Water Plant No.3 - Electrical Improvements	\$ 698,000			698,000		
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) 6th & Av	\$ 687,200				687,200	
6-Inch New Waterline, 750 LF • Hillcrest Dr	\$ 155,000					155,000
Totals for Water Projects:	\$ 6,516,200	\$ 1,173,000	\$ 400,000	\$ 698,000	\$ 3,369,200	\$ 876,000

Fiscal Year 2018

Project: 12" Waterline Extension Along
SH60 North, Phase I – 1,000 LF

Estimate: \$308,000.00

Budget Source: 2016 Certificates of
Obligation

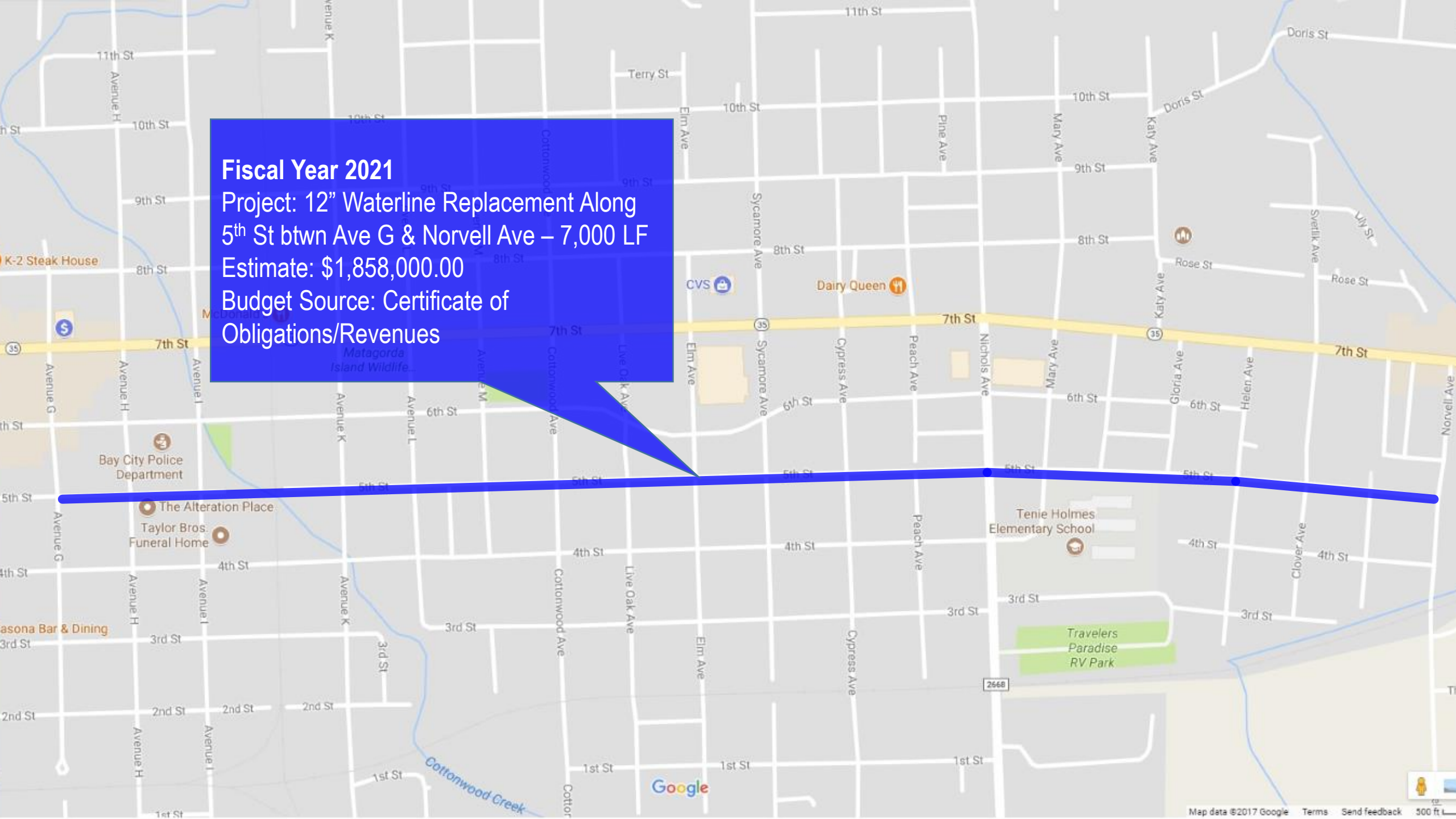


Fiscal Year 2021

Project: 12" Waterline Replacement Along
5th St btwn Ave G & Norvell Ave – 7,000 LF

Estimate: \$1,858,000.00

Budget Source: Certificate of
Obligations/Revenues



Fiscal Year 2022

Project: 6" New Waterline Along Hillcrest Dr /
Valhalla Dr in the Valhalla Subdivision – 750 LF

Project Type: CIP

Estimate: \$155,000.00

Budget Source: Revenues





5-Year CIP – UTILITY FUND- WATER PROJECTS

Utility Water	Amount	2018	2019	2020	2021	2022
Fire Hydrant & Valve Rehab Program	\$ 150,000	50,000	50,000		50,000	
Grace Street Water Plant #5 - Major Improvements	\$ 815,000	815,000				
12-Inch New Waterline Extension, 1,000 LF • SH60 North - Phase I	\$ 308,000	308,000				
12-Inch Waterline Replacement, 7,000 LF • 5th St	\$ 1,858,000				1,858,000	
Replace Waterlines Northwest Quadrant	\$ 350,000		350,000			
Katy Water Plant No.3 - Electrical Improvements	\$ 698,000			698,000		
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) 6th & Av	\$ 687,200				687,200	
6-Inch New Waterline, 750 LF • Hillcrest Dr	\$ 155,000					155,000
Totals for Water Projects:	\$ 6,516,200	\$ 1,173,000	\$ 400,000	\$ 698,000	\$ 3,369,200	\$ 876,000



5-Year CIP – UTILITY FUND- WASTEWATER PROJECTS

Utility Wastewater	Amount	2018	2019	2020	2021	2022
Manhole Rehab Program	\$ 240,000		60,000	60,000	60,000	60,000
Lift Station Rehab Program	\$ 325,000	50,000	50,000	75,000	75,000	75,000
1a-1 WWTP Rehabilitation – Phase I • Headworks screen gates; RAS airlift pumps	\$ 820,000		820,000			
4 LS 14 - Cottonwood Rehabilitation	\$ 650,000	650,000				
Totals for Wastewater Projects:	\$ 2,035,000	\$ 700,000	\$ 930,000	\$ 135,000	\$ 135,000	\$ 135,000



5-Year CIP – UTILITY FUND- Building & Improvements

Building & Improvements	Amount	2018	2019	2020	2021	2022
MSB Renovations (New Lobby Restrooms)	100,000			100,000		
MSB Renovations (Remodel Women's Restroom)	50,000				50,000	
Extend Equipment/Material Storage Buildings	75,000					75,000
Totals for Building & Improvement Projects:	\$ 225,000	\$ -	\$ -	\$ 100,000	\$ 50,000	\$ 75,000





5-Year CIP – UTILITY FUND SUMMARY & SOURCES OF FUNDING

Utility Fund	Amount	2018	2019	2020	2021	2022
Water	\$ 6,516,200	\$ 1,173,000	\$ 400,000	\$ 698,000	\$ 3,369,200	\$ 876,000
Wastewater	\$ 2,035,000	\$ 700,000	\$ 930,000	\$ 135,000	\$ 135,000	\$ 135,000
Building & Improvements	\$ 225,000	\$ -	\$ -	\$ 100,000	\$ 50,000	\$ 75,000
Total Utility Fund:	\$ 8,776,200	\$ 1,873,000	\$ 1,330,000	\$ 933,000	\$ 3,554,200	\$ 1,086,000

Sources of Funds:	Amount	2018	2019	2020	2021	2022
Operating Budget	\$ 4,008,000.00	750,000.00	775,000.00	808,000.00	825,000.00	850,000.00
Grants	\$ 350,000.00		350,000.00			
Transfers	\$ -					
Other Sources (ie. BCCDC, Interlocals, etc.)	\$ -					
Bond Proceeds	\$ 3,852,200.00	1,123,000.00			2,729,200.00	
Operational Savings (Reserves)	\$ 566,000.00		205,000.00	125,000.00		236,000.00
Total Resources Planned:	\$ 8,776,200.00	\$ 1,873,000.00	\$ 1,330,000.00	\$ 933,000.00	\$ 3,554,200.00	\$ 1,086,000.00



5-Year CIP – AIRPORT PROJECTS



Airport	Amount	2018	2019	2020	2021	2022
Engineering and Design- Airfield Lighting & Vault	\$ 61,000.00	61,000.00				
Engineering and Design (2019-2021 Projects)	\$ 433,000.00		433,000.00			
Construction (LED Lighting on Runways)	\$ 752,000.00		752,000.00			
Engineering and Design (2020 Project)	\$ 30,000.00			30,000.00		
Drainage Project	\$ 395,000.00			395,000.00		
Engineering & Design (2021 Project)	\$ 30,000.00				30,000.00	
Taxiway A Realignment (Phase I)	\$ 3,150,000.00				3,150,000.00	
Taxiway A Realignment (Phase II)	\$ 2,675,000.00					2,675,000.00
Totals for Airport Projects:	\$ 7,526,000.00	\$ 61,000.00	\$ 1,185,000.00	\$ 425,000.00	\$ 3,180,000.00	\$ 2,675,000.00
Sources of Funds:	Amount	2018	2019	2020	2021	2022
Operating Budget	\$ 177,100.00	6,100.00	38,500.00	42,500.00	45,000.00	45,000.00
Grants	\$ 6,753,400.00	54,900.00	1,046,500.00	382,500.00	2,862,000.00	2,407,500.00
Transfers	\$ 595,500.00		100,000.00		273,000.00	222,500.00
Other Sources (ie. BCCDC, Interlocals, etc.)	\$ -					
Bond Proceeds	\$ -					
Hotel/Motel	\$ -					
Street/Sidewalk (Reserves) - Fund 28	\$ -					
Operational Savings (Reserves)	\$ -					
Total Resources Planned:	\$ 7,526,000.00	\$ 61,000.00	\$ 1,185,000.00	\$ 425,000.00	\$ 3,180,000.00	\$ 2,675,000.00



5-Year CIP – AIRPORT PROJECTS

