City of Fair Oaks Ranch Water, Wastewater and Reuse 5-year CIP

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Project #	Туре	Description	Score	Revised Score	Phase	Total Project Cost	Prior Years	FY 21-22	FY 22-23	FY 23-24	FY 24-25		FY 26-27		
CURRENT P	ROJECTS	TOTALS					\$ 798,733	\$ 2,646,205	\$ 2,750,943	\$ 7,478,532	\$ 12,372,386	\$ 15,075,526 \$	8,610,039	Criticality	Notes
28R	Water Rehab	Rolling Acres Trail Water Line	43.0	48.0	Design & Construction	\$ 337,597		\$ 61,754	\$ 275,843					Must / Resiliency and O&M	
29R	Water Rehab	Willow Wind Drive/Red Bud Hill Water Line	43.0	48.0	Design & Construction	\$ 357,433		\$ 65,370	\$ 292,063					Must / Resiliency and O&M	
4.1R	Sewer CIP	Wastewater Treatment Plant Solids Handling Improvements	36.0	36.0	Design & Construction	\$ 1,066,966	\$ 146,756	\$ 920,210						Must / O&M	Project in design in FY 21.
2.18	Sewer CIP	Wastewater Treatment Plant Study - Expansion/Improvement of Existiing vs New WWTP	33.0	38.0	Study	\$ 214,624	\$ 14,624	\$ 200,000						Must / Regulatory and Growth	New Project for engineering consultant to perform study evaluating cost/benefits of a new WWTP versus upgrades to the existing WWTP.
ıw	Water CIP	9,000-Gallon Plant #2 Hydropneumatic Tank (Zone C) & VFDs	30.0	33.0	Design & Construction	\$ 1,049,390	\$ 102,575	\$ 946,815						Must / Regulatory	,
2W	Water CIP	O.5-MG Zone A Elevated Storage Tank with Plant 3 Upgrades, System PRVs, and 12-inch waterline	30.0	33.0	Design & Construction	\$ 5,083,528	\$ 446,905	\$ 181,623		\$ 2,227,500	\$ 2,227,500			Must / Regulatory and Contractual Agreements	
SR.	Water Rehab	Creek Crossing Repair West	29.0	34.0	Design & Construction	\$ 308,306	\$ 87,873	\$ 220,433						Must / Resiliency and O&M	Project in design FY 21. Project was started due to water main being exposed with a potential for imminent failure.
21W	Water CIP	Old Fredericksburg Rd Water Line Relocation	23.0	26.0	Design & Construction	\$ 300,000		\$ 50,000	\$ 250,000					Should / O&M and City Priority	d New Project not included in master plan. Bexar County developed roadway project after Master Plan effort. Project intended to replace water main with frequent main breaks and to take advantage of construction cost efficiencies by joint bidding with roadway project.
UTURE PR	OJECTS		ı	T	1										
5W	Water CIP	400-gpm Plant #5 Zone B Pump Station Expansion and 0.5-MG GST (Zone B)	29.0	34.0	Design & Construction	\$ 2,530,999			\$ 223,499	\$ 1,804,353	\$ 503,147				Provides additional pumping capacity in Zone B to improve firm pumping capacity and serve growth. Estimated to hit 75% of available pumping capacity in approximately 2025. Storage needed due to high demand - tank turns over numerous times per day due to irrigation demand.
6W ^A	Water CIP	650-gpm Elmo Davis Pump Station Expansion (Zone C)	29.0	34.0	Design & Construction	\$ 1,245,304						\$ 125,438 \$	770,126	Must / Regulatory and Resiliency	
IR 2R	Water Rehab	Elmo Davis GST #1 & GST #2 – Mechanical/Structural	28.0	33.0	Design & Construction	\$ 1,677,084			\$ 167,313	\$ 524,584	\$ 985,187			Should / O&M and Regulatory	Budget includes coatings and cathodic protection system.
ıs	Sewer CIP	8-inch Gravity Line and Decommission Falls Lift Station	28.0	33.0	Design & Construction	\$ 628,061				\$ 507,944	\$ 120,116			Should / O&M and Resiliency	Ops experiencing issues with pump sealing and flooding of panel and crews called out frequently. Move forward in CIP per 6/11/20 discussion with City
2S	Sewer CIP	New Wastewater Treatment Plant and Decommission Old WWTP	28.0	33.0	Design & Construction	\$ 15,898,083			\$ 1,480,583	\$ 915,711	\$ 5,348,755	\$ 6,648,625 \$	1,504,408	Must / Regulatory and Growth	Budget based on Impact Fee update March 2020. Existing WWTP limiting processes are sludge drying beds (rated at 0.1 MGD) and oxidation ditch (rated at 0.34 MGD). 0.35 MGD ADF triggers / TCEQ 75% rule for starting new besign. 2018 ADF approximately 0.24 MGD. 0.1 MGD difference allows approximately 70.00 new connections (at 160 gpd/connection) before triggering 75% rule (and exceeding oxidation ditch capacity). May need to consider oxidation ditch improvements to increase treatment capacity if new WWTP delayed.
30R	Water Rehab	Fair Oaks Parkway Water Line Reroute	22.0	27.0	Design & Construction	\$ 284,335						\$ 56,331 \$	228,004	Nice / O&M and Resiliency	Operational issue for access when main breaks. Move to ROW to provide easier and cleaner access when main break occurs. Possible system looping opportunity as well.
15R	Water Rehab	Well 27 – Electrical	20.0	23.0	Design & Construction	\$ 48,650				\$ 48,650				Nice / O&M and Resiliency	
5R	Water Rehab	Plant #3 Pump Station – Electrical/Instrumentation	19.0	24.0	Design & Construction	\$ 290,445				\$ 290,445				Nice / O&M and Resiliency	
1S	Sewer CIP	1.6 MGD Lift Station and 12" Force Main to New WWTP	19.0	24.0	Design & Construction	\$ 3,796,459					\$ 404,203	\$ 1,670,404 \$	1,721,852	Must / Driven by WWTP Efforts	
BR	Sewer Rehab	School Lift Station – Mechanical	16.0	19.0	Design & Construction	\$ 223,707				\$ 223,707				Should / O&M and Resiliency	d
9R	Sewer Rehab	Deer Meadows Lift Station #2 – Instrumentation	16.0	19.0	Design & Construction	\$ 126,649				\$ 126,649				Should / O&M and Resiliency	d
10R	Sewer Rehab	Deer Meadows Lift Station #1 – Instrumentation	16.0	19.0	Design & Construction	\$ 126,649				\$ 126,649				Should / O&M and Resiliency	d
27R	Reuse CIP	Effluent Pump Station Expansion	16.0	19.0	Design & Construction	\$ 205,818						\$ 42,701 \$	163,117	Must / Driven by WWTP Efforts	This project is dependent on the timing of the WWTP. If the WWTP project is delayed, this project will become a higher priority and improvements at the existing WWTP will be needed.
BR	Water Rehab	Elmo Davis Pump Station – Electrical	15.0	20.0	Design & Construction	\$ 311,049			\$ 61,642	\$ 122,812	\$ 126,595			Should / O&M and Resiliency	d Consider combining with project 6W. Not combined with Project 1R/2R since different subcontractors required.
11R	Water Rehab	Well K6 – Electrical	15.0	20.0	Design & Construction	\$ 45,656				\$ 45,656				Nice / O&M and Resiliency	
11W	Water CIP	Plant #6 and New GBRA Delivery Point (Zone A/B)	14.0	19.0	Design & Construction	\$ 7,609,986				\$ 448,231	\$ 2,287,044	\$ 4,874,711		Should / Resiliency & Growth	Provides additional production and distribution capacity Zones A & B and addresses low pressure and low fire flow plus water for new development. Water supply deficit anticipated 2026 per Master Plan, but depends on growth rates. Assume land donated by developer. Programmed to be completed by 2027
IRU	Reuse CIP	Pump Station - New 2.0 MGD	13.0	16.0	Design & Construction	\$ 3,924,403					\$ 369,839	\$ 1,406,316 \$	2,148,248	Must / Driven by WWTP Efforts	Coordinate force main design with gravity pipeline project 3S. Time completion with new WWTP construction completion or decommissioning of existing WWTP
16R	Water Rehab	Well CR1 – Electrical	13.0	16.0	Design & Construction	\$ 44,190				\$ 44,190				Nice / O&M and Resiliency	
19R	Water Rehab	Well 31 – Mechanical/Structural	13.0	16.0	Design & Construction	\$ 21,450				\$ 21,450				Nice / O&M and Resiliency	

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City of Fair Oaks Ranch Water, Wastewater and Reuse 5-year CIP

Pro	ect#	Туре	Description TOTALS	Score	Revised Score	Phase		Prior Years \$ 798,733			FY 23-24 \$ 7,478,532	FY 24-25 \$ 12,372,386	FY 25-26 \$ 15,075,526	FY 26-27 \$ 8,610,039	Criticality	Notes
13R	Water Re	Rehab \	Well 9 – Electrical	12.0	15.0	Design & Construction	Project Completed			, , , , , ,						Completed by CFOR staff July 2020.
3S	Sewer C		New Gravity Line from Old WWTP to New WWTP	11.0	14.0	Design & Construction	\$ 2,325,284						\$ 251,000	\$ 2,074,283	Must / Driven by WWTP Efforts	Needed if city constructs new WWTP and abandons existing WWTP
7R	Sewer R	Rehab (Creek Crossing Repair Central	9.0	12.0	Design & Construction	Project Completed									Completed by CFOR staff
20R	Water Re		Well 32 – Electrical/Mechanical/Structural	5.0	5.0	Design & Construction	Project Completed									Completed by CFOR staff.
23R	Water Re	Rehab \	Well K7 – Mechanical/Structural	5.0	5.0	Design & Construction	Project Completed									Completed by CFOR staff.
24R	Water Re		Well 14 – Electrical/Mechanical/Structural	5.0	5.0	Design & Construction	Project Completed									Completed by CFOR staff.
26R	Water Re	Rehab \	Well 19 – Electrical	5.0	5.0	Design & Construction	Project Completed									Completed by CFOR staff.
					,	WATER CIP WATER REHAB			\$ 1,178,438 \$ 347,557		\$ 4,480,084 \$ 1,097,787	\$ 5,017,691 \$ 1,111,782				

Notes:

1. Timing of projects in FY23 to FY27 to be evaluated each year and is subject to change based on prioritization criteria, updates in growth rates, system condition, etc.
2. Budgets shown for projects in FY23 to FY27 are estimates and subject to change. Actual anticipated spend to be updated based on project schedules.
3. Budgets based on 2018 dollars with 3% inflation rate assumed.

A Total Project Cost shown includes additional dollars beyond 5-year planning cycle.

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PROJECT ID:	28R										
PROJECT TITLE	Rolling Acres Ti	olling Acres Trail Water Line									
DEPARTMENT(S)	Engineering										

PROJECT DESCRIPTION: This project consists of replacing approximately 2,300 LF of existing water main(s) along Rolling Acres Trail.

Location	Rolling Acres T	rail
Limits From/To:		
Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Prioritization Score	Priority Rank	Impact Fee Eligible*
48.0	1	No

PROJECT NEED/BENEFITS

This project will address aging water mains that are known to be in poor condition. This water main has a history of main breaks (~4 main breaks since 2016). Replacing these mains will reduce operation and maintenance costs to the City for repairs, avoid disruptions to residents, and reduce total water loss. This project could be considered in conjunction with Project 29R. If this project is not completed, the water main could continue to fail which costs the city money for repairs, water loss, and results in service disruptions to residents in the area.

PROJECT COSTS	Prior	FY20	FY21	FY22	FY23	FY24	Future	Total
Design Phase	\$ -	\$ -	\$ -	\$ 61,754	\$ -	\$ -	\$ -	\$ 61,754
Construction (including 30% contingency)	\$ -	\$ -	\$ -	\$ -	\$ 275,843	\$ -	\$	\$ 275,843
Management	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection/Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	\$ -
Total Estimated Cost	\$ -	\$ -	\$ -	\$ 61,754	\$ 275,843	\$ -	\$ -	\$ 337,597
Annual O&M Fiscal Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

F	PROJECT BUDGET	Prior	FY20	FY21	FY22	FY23	FY24	Future	Total
Funding Source Account No.	Fund	·							
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE	TBD	ć	ć	ć	l é	l é	l é	ć	ć
XX-XX-XXXX	טפו	ş -	, -	, -	ş -	ş -	ş -	, -	· -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	29R								
PROJECT TITLE	Willow Wind Drive / Red Bud Hill Water Lines								
DEPARTMENT(S)	Engineering								

PROJECT DESCRIPTION: This project consists of replacing approximately 3,300 LF of existing water main(s) along Willow Wind Drive and along Red Bud

Location	Willow Wind D	Prive / Red Bud	d Hill
Limits From/To:			
Schedule	Start	End	
Design Phase			
ROW/Esmt Acq.			
Construction			

Prioritization Score	Priority Rank	Impact Fee Eligible*
48.0	1	No

PROJECT NEED/BENEFITS

This project will address aging water mains that are known to be in poor condition. This water main has a history of main breaks (~8-12 main breaks between both mains since 2016). Replacing these mains will reduce operation and maintenance costs to the City for repairs, avoid disruptions to residents, and reduce total water loss. This project could be considered in conjunction with Project 28R. If this project is not completed, the water main could continue to fail which costs the city money for repairs, water loss, and results in service disruptions to residents in the area.

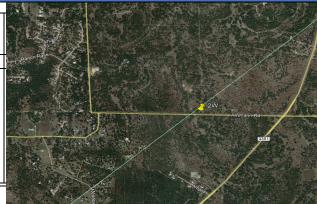
PROJECT COSTS		Prior	F	Y20		FY21	FY22	FY23	FY24		Future		Total
Design Phase	\$	-	\$	-	\$	-	\$ 65,370	\$ -	\$ -	\$	-	\$	65,370
Construction (including 30% contingency)	\$	-	\$	-	\$	-	\$ -	\$ 292,063	\$ -	\$	-	\$	292,063
Management	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$	-
Inspection/Testing	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$	-
Other	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$	-
Total Estimated Cost	\$	=	\$	-	\$	-	\$ 65,370	\$ 292,063	\$ -	\$	-	\$	357,433
				•							•		
Annual O&M Fiscal Impact	Ś	-	Ś	-	Ś	-	\$ -	\$ -	\$ -	Ś	-	Ś	-

PRO	DJECT BUDGET	Prior	FY20	FY21	FY22	FY23	FY24	Future	Total
Funding Source Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE xx-xx-xxxx	TBD	\$ -	<u>-</u>	ļ\$ -	<u>-</u>	\$ -	<u>-</u>	\$ -	\$ -
	.55	<u> </u>	4	· ·	4	4	4	4	*
Total Expenditures		\$ -		- >	- >			Ş -	> -



		levated Storage Tank with Plant 3 n PRVs, and 12-inch waterline	
DEPARTMENT(S)	Engineering		

PROJECT DESCRIPTION: This project consists of a new 0.5 MG elevated storage tank at the intersection of West Ammann Road and the Comal County Line. This project also includes the installation of a 12-inch water main (Project 3W) and pressure reducing valves (Project 7W).



Limits From/To:

Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Prioritization Score	Priority Rank	Impact Fee Eligible*	Impact Fee Funding Eligibility*
33.0	1	Yes	74%
*Bas	ed on Water & W	astewater Impact	: Fee Report (FNI 2020)

PROJECT NEED/BENEFITS

The project will provide elevated storage in Zone A, increasing storage capacity and provide the city operational flexbility and emergency storage (domestic and fire flow). The water main will serve the new elevated storage tank, and the pressure reducing valves will provide the city the ability to provide adequate fire flow demand in Zone A while providing support fire flow capacity to Zone B. The 4,000 linear feet of 12-inch waterline along W Ammann Road in conjunction with the elevated storage tank will improve fire flow and meet peak flow requirements within the area. The PRVs being installed in conjunction with the elevated tank and waterline will provide an increase operational efficiency in Zone B. If this project is not constructed, the strain on Water Plant #5 will continue and Project 5W will become more critical. Based on recent information, Water Plant #5 has struggled to keep up with demands at times and the storage tanks are being emptied frequently. If the PRVs are not installed, the city would not have the ability to interconnect Zones A and B. This would exacerbate the need for improvements at facilities for both pressure zones and limit the operational flexibility to address system outages.

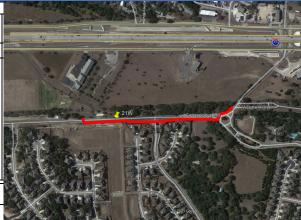
PROJECT COSTS	Prior	FY22	FY23	FY24	FY25	FY26	Future	l	Total
Design Phase	\$ 446,905	\$ 181,623		\$ -	\$ -	\$ -	\$ -	\$	628,528
Construction (includes 30% contingency)	\$ -	\$ -	\$ -	\$ 2,227,500	\$ 2,227,500		\$ 1	\$	4,455,000
Management	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
Inspection/Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1	\$	-
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
Total Estimated Cost	\$ 446,905	\$ 181,623	\$ -	\$ 2,227,500	\$ 2,227,500	\$ -	\$ -	\$	5,083,528
Annual O&M Fiscal Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-

PF	ROJECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source Account No.	Fund	Γ.							
	Planned CIP Impact Fees	\$ -	\$ -	\$ - \$ -	\$ -	\$ -	\$ -	\$ -	\$ - \$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE xx-xx-xxxx	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	21W	
PROJECT TITLE	Old Fredericksk	ourg Rd Water Line Relocation
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project consists of a 6-inch water line along Old Fredericksburg Rd from the existing Water Plant #4 to the intersection of Old Fredericksburg Rd and Woodland Green. This project was developed after the Master Plan was developed.



Location	Along Old Fredericksburg Rd

Limits From/To: From Water Plant #4 to Woodland Green

Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Prioritization Score	Priority Rank	Impact Fee Eligible*	Impact Fee Funding Eligibility*
26.0	1	N/A	N/A

^{*}Project not included in Impact Fee Study

PROJECT NEED/BENEFITS

This project will replace an existing water main with a main break history along Old Fredericksburg Rd. This project design and construction will coincide with the Bexar County roadway project to gain efficiencies during design and construction and limit the impact to local residents to one time. If this project is not completed concurrently with the Bexar County roadway project, the City will lose on the efficiencies gained by designing and constructing this project concurrently. In the event of future main breaks or future relocation of the waterline, the city would be responsible for roadway restoration which would drive the cost of the project up. The city would also be impacting local residents again which could cause some public relation issues.

PROJECT COSTS	Prior	FY20	FY21	FY22	FY23	FY24	Future	Total
Design Phase	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
Construction (includes 30% contingency)	\$	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000
Management	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection/Testing	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Estimated Cost	\$	\$ -	\$ -	\$ 50,000	\$ 250,000	\$ -	\$ -	\$ 300,000
Annual O&M Fiscal Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PRC	DJECT BUDGET	Prior	FY20	FY21	FY22	FY23	FY24	Future	Total
Funding Source Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Impact Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	5W	
PROJECT TITLE	٠.	r Plant #5 Zone B Pump on and 0.5-MG GST (Zone B)
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project consists of a 400 gpm expansion at the Water Plant #5 Zone B Pump Station. This project will increase the firm capacity of the pump station from 800 gpm to 1,200 gpm. This project also includes a new 0.50-MG ground storage tank.



Location V	Vater Plant #5 Zone B
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Limits From/To:

Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Prioritization Score	Priority Rank	Impact Fee Eligible*	Impact Fee Funding Eligibility*
34.0	1	Yes	8%

^{*}Based on Water & Wastewater Impact Fee Report (FNI 2020)

PROJECT NEED/BENEFITS

Note: All amounts are shown in current dollars

The project will provide additional water distribution, pumping, and storage capacity to serve Zone B, improving operational redundancy and positively impacting Water Plant #1/Elmo Davis because Plant #5 feeds into Plant#1/Elmo Davis. Plant #5 has struggled to keep up with water and irrigation demands in the service area. As a result, the existing storage tank is constantly being emptied. If the water supply is lost due to a main break or other circumstances, the City would be limited to the existing tank's capacity which does not maintain an acceptable reserve and would likely cause service disruptions. If this project is not completed, Water Plant #5 will continue to struggle keeping up with system demands which leads to additional strain on pumps, higher electrical costs and would ultimately result in outages when the facility begins to fail.

PROJECT COSTS		Pri	or	FY22	FY23	FY24	FY25	FY26	Future	Total
Design Phase		\$	-	\$ -	\$ 223,499	\$ 49,368	\$ -	\$ -	\$ -	\$ 272,867
Construction (includes 30% contingend	y)	\$	-	\$ -	\$ -	\$ 1,754,985	\$ 503,147	\$ -	\$ -	\$ 2,258,132
Management		\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection/Testing		\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other		\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Estimated Cost		\$	-	\$ -	\$ 223,499	\$ 1,804,353	\$ 503,147	\$	\$ -	\$ 2,530,999
								•		
Annual O&M Fiscal Impact		\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PROJECT BUDGET		Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source									
Account No.	Fund								
	Planned CIP	\$	- \$	- \$	- \$	- \$	- \$	- \$ -	\$ -
	Impact Fees	\$	- \$	- \$	- \$	- \$	- \$	- \$ -	\$ -
Total Revenues		\$	- \$	- \$	- \$	- \$	- \$	- \$ -	\$ -
EXPENDITURE						Γ.		Γ.	Τ.
XX-XX-XXXX	TBD	\$	- \$	- \$	- \$	- \$	- \$	- \$ -	\$ -
Total Expenditures		\$	- \$	- \$	- \$	- \$	- \$	- \$ -	\$ -



PROJECT ID:	6W		
PROJECT TITLE	650-gpm Elmo Electrical Upgra	Davis Pump Station Expansion, ades	
DEPARTMENT(S)	Engineering		

PROJECT DESCRIPTION: This project consists of a 650 gpm expansion at the Elmo Davis Pump Station, which will increase the firm capacity of the pump station from 800 gpm to 1,450 gpm. This project may be considered in conjunction with Project 3R.



Location	Zone C Pump Station (Near Elmo Davis Plant)
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Schedule	Start	End
D		

Design Phase	
ROW/Esmt Acq.	
Construction	

Prioritization	Priority Rank	Impact Fee	Impact Fee Funding
Score		Eligible*	Eligibility*
34.0	1	Yes	19%

^{*}Based on Water & Wastewater Impact Fee Report (FNI 2020)

PROJECT NEED/BENEFITS

Limits From/To:

This facility is at approximately 75% of the minimum high service pump capacity requirements per TCEQ regulations based on the current number of connections. This project will provide additional distribution pumping capacity to serve Zone C to maintain compliance with TCEQ requirements. The City has struggled to keep up with water and irrigation demands in the service area. If peak demands continue to rise, the City will have trouble keeping up with demand due to the limited existing pump capacity and lower system pressures will likely result. Project 3R may also be considered in conjunction with Project 6W, which will address operational and maintenance issues with the electrical and SCADA systems and ground storage tanks. Refer to Project 3R for additional information on the operations and maintenance improvements. If this project is not completed and the number of connections continues to rise, the pumping capacity in Zone C would become deficient and could result in violations being issued.

PROJECT COSTS		Prior	FY23		FY24	FY25	FY26	FY27		Future	Total
Design Phase	\$	-	\$ -	\$	-	\$ -	\$ 125,438	\$ 16,163	\$	-	\$ 141,601
Construction (includes 30% contingency)	\$	-	\$ -	\$	-	\$ -	\$ -	\$ 753,963	\$	349,740	\$ 1,103,703
Management	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -	\$		\$ -
Inspection/Testing	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -	\$		\$ -
Other	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -	\$		\$ -
Total Estimated Cost	\$	-	\$ -	\$	-	\$ -	\$ 125,438	\$ 770,126	\$	349,740	\$ 1,245,304
Annual O&M Fiscal Impact	Ś		\$ _	Ś	_	\$ _	\$ _	\$ _	Ś	_	\$ _

PROJECT BUDGET			FY23	FY23 FY24		FY26	FY27	Future	Total
Funding Source									
Account No.	Fund								
	Planned CIP	\$	- \$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Impact Fees	\$	- \$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$	- \$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$	- \$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$	- \$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -



	CITY O	F FAIR OAKS RANCH CAPITAL IMPROVEMENT PROGRAM						
PROJECT ID: 1R / 2R								
PROJECT TITLE	Elmo Davis GST	# 1 & GST # 2 - Mechanical and Structural Improvements						
DEPARTMENT(S)	Engineering							

PROJECT DESCRIPTION: These projects consist of rehabilitation of two 500,000 gallon ground storage tanks at the Elmo Davis Plant. This project also includes the recoating of the existing tanks and installation of a cathodic protection system.

Location	Elmo Davis Pui	mp Station
Limits From/To:		
Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Facility Component	Overall Risk Assessment Score
Elmo Davis Pump Station	5.46 (Moderate Risk)
Elmo Davis GST # 1	7.60 (High Risk)
Elmo Davis GST # 2	7.40 (High Risk)

**From Table 10-11 in Master Plan

Prioritization Score	Priority Rank	Impact Fee Eligible*
33.0	1	No

PROJECT NEED/BENEFITS

This pump station has been identified as a critical pump station due to the amount of connections it serves. The pump station received the worst score amongst all pump stations and the GSTs received the 1st and 2nd worst scores amongst all storage components within the system. This project will address deficiencies noted in the master plan, such as insulating the pump station building to improve heating and cooling efficiency which also protects the pumps and piping from extreme weather conditions. This project will also address some TCEQ issues as mentioned in the most recent inspection. During the evaluation to prepare the Master Plan, the tanks were not considered for recoating and adding cathodic protection, however, the current coating system is near the end of its life. The Master Plan budgeted cost was based on 2018 dollars and the recoating of the storage tanks and providing a cathodic protection system to extend the life of the tank coatings has been added. This additional coating and cathodic protection cost is estimated at \$1/gallon.

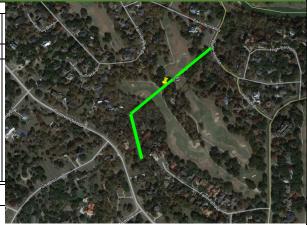
PROJECT COSTS	Prior		FY22	FY23	FY24	FY25	FY26	Future	Total
Design Phase	\$	- \$	-	\$ 167,313	\$ 21,558	\$ -	\$ -	\$ -	\$ 188,871
Construction (including 30% contingency)	\$	- \$	-	\$ -	\$ 503,026	\$ 985,187	\$ -	\$ =	\$ 1,488,213
Management	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection/Testing	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ =	\$ -
Other	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ =	\$ -
Total Estimated Cost	\$	- \$	-	\$ 167,313	\$ 524,584	\$ 985,187	\$ -	\$ -	\$ 1,677,084
Annual O&M Fiscal Impact	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PR	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total	
Funding Source Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE	TDD		T &	l c	I ¢	l c	l ċ	I ċ	l ċ
XX-XX-XXXX	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	> -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	1S	
PROJECT TITLE	8-inch Gravity I Lift Station	ine and Decommission Falls
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: Decommission the Falls Lift Station and extend an 8-inch gravity line to existing 10-inch line along Battle Intense.



Location	55 Falls Terrace (Falls Lift Station)

Limits From/To: From Falls Lift Station to Battle Intense

Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Prioritization Score	Priority Rank Impact Fee Eligible*		Impact Fee Funding Eligibility*	
33.0	1	Yes	4%	

^{*}Based on Water & Wastewater Impact Fee Report (FNI 2020)

PROJECT NEED/BENEFITS

This project removes the Falls Lift Station from service due to recent increases in operation and maintenance costs. Currently, the City is being called out to this lift station frequently for a variety of issues. Staff mentioned that they have had issues with the lift station pumps sealing, possibly due to failing grout on the floor. Crews have added washers and spacers to the bolts to allow the pump to sit as it should and seal, but this is a temporary fix. This lift station also has issues with the water level rising up to a point where it can enter the electrical panel causing problems. This project will extend a new 8" wastewater main approximately 1,730 linear feet to the existing 10-inch wastewater main along Battle Intense as part of the decommisioning of the lift station.

PROJECT COSTS	Prior	F	Y22	FY23	FY24	FY25	FY26	Future	Total
Design Phase	\$	- \$	- :	\$ -	\$ 75,308	\$ 8,625	\$ -	\$ -	\$ 83,933
Construction (includes 30% contingency)	\$	- \$	- 1	\$ -	\$ 432,637	\$ 111,491	\$ -	\$ -	\$ 544,128
Management	\$	- \$	- 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection/Testing	\$	- \$	- 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$	- \$	- 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Estimated Cost	\$	- \$		\$ -	\$ 507,945	\$ 120,116	\$ -	\$ -	\$ 628,061
	<u> </u>								
Annual O&M Fiscal Impact	\$ -	\$	- :	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PRC	DJECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source									
Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Impact Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	25	
PROJECT TITLE	New Wastewate WWTP.	er Treatment Plant and Decommission Old
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: New 0.60 mgd Waste Water Treatment Plant and decommissioning of the old WWTP. This project was modified from the 2018 Water/Wastewater Master Plan as part of the 2020 Impact Fee Update.



Location To	o be determined by siting study
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Limits From/To:

Schedule	Start	End
Design Phase		
Property Acq.		
Construction		

Prioritization Score	Priority Rank	Impact Fee Eligible*	Impact Fee Funding Eligibility*							
33.0	1	Yes	52%							
**										

^{*}Based on Water & Wastewater Impact Fee Report (FNI 2020)

PROJECT NEED/BENEFITS

This project will address the future capacity deficiency and will address operational limitations of the existing WWTP. This project will provide the City a new WWTP to grow into and serve the ultimate population of the community.

PROJECT COSTS	Prior	FY23		FY24		FY25		FY26	FY27	Future		Total
Design Phase	\$ -	\$ 1,480,583	\$	915,711	\$	314,639	\$	-	\$ -	\$	-	\$ 2,710,933
Construction (includes 30% contingency)	\$ -	\$ -	\$	-	\$	5,034,117	\$	6,648,625	\$ 1,504,408	\$	-	\$ 13,187,150
Management	\$ -	\$ -	\$	-	\$	-	\$	-	\$ -	\$	-	\$ -
Inspection/Testing	\$ -	\$ -	\$	-	\$	-	\$	-	\$ -	\$	-	\$ -
Other (Land Acquisition)	\$ -	\$ -	\$	-	\$	-	\$		\$ -	\$	-	\$ -
Total Estimated Cost	\$ -	\$ 1,480,583	\$	915,711	\$	5,348,756	\$	6,648,625	\$ 1,504,408	\$	-	\$ 15,898,083
Annual O&M Fiscal Impact	\$ -	\$ -	\$	-	\$	-	\$	-	\$ -	\$	-	\$ -

PRO	JECT BUDGET	Prior	FY23	FY24	FY25	FY26	FY27	Future	Total
Funding Source									
Account No.	Fund								
	Planned CIP	\$ -	\$	- \$	\$ -	\$ -	\$ -	\$ -	\$ -
	Impact Fees	\$ -	\$	- \$	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$	- \$. \$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$ -	\$	- \$	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$	- \$	\$ -	\$ -	\$ -	\$ -	\$ -

 ${\it Note: All \ amounts \ are \ shown \ in \ current \ dollars}$



PROJECT ID:	30R										
PROJECT TITLE	Fair Oaks Parkv	ir Oaks Parkway Water Line Reroute									
DEPARTMENT(S)	Engineering										

PROJECT DESCRIPTION: This project consists of re-routing an existing water main within the right-of way to improve operational access and maintainability for this water line.

Location	Fair Oaks Parkv	vay					
Limits From/To:	From approxim	ately mid-wa	y between Rain	tree Woods Dri	ve and Falls Terr	race and Hansel	Drive.
Schedule	Start	End		Prioritization Score	Priority Rank	Impact Fee Eligible*	
Design Phase				27.0	1	No	
ROW/Esmt Acq.							•
Construction							

Prioritization Score	Priority Rank	Impact Fee Eligible*
27.0	1	No

PROJECT NEED/BENEFITS

This project will relocate approximately 1,000 linear feet of an existing water main that is currently within private property and poses difficulties when maintenance and/or repairs are needed. This water main will be relocated within the right-of-way providing the City easier access to the main for repairs. This project will also benefit the adjacent golf course and nearby residents as there would be less disturbance to the area when work is being performed.

PROJECT COSTS		Prior		FY23		FY24		FY25		FY26		FY27		Future		Total
Design Phase	\$	-	\$	-	\$	-	\$	-	\$	56,331	\$	10,247	\$	-	\$	66,578
Construction (including 30% contingency)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	217,757	\$	-	\$	217,757
Management	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Inspection/Testing	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Other	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Estimated Cost	\$	-	\$	-	\$	-	\$	-	\$	56,331	\$	228,004	\$	-	\$	284,335
Annual O&M Fiscal Impact	Ś	_	Ś	-	Ś	-	Ś	_	Ś	-	Ś	_	Ś	-	Ś	-

PRO	Prior	Prior FY23		FY25	FY26	FY27	Future	Total	
Funding Source Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE			Γ.	Γ.	Γ.	Γ.	Ι.	1 .	
xx-xx-xxxx	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	15R			
PROJECT TITLE	Well 27 - Electrical			
DEPARTMENT(S)	Engineering			

PROJECT DESCRIPTION: This project consists of replacing the electrical service head, panels, conductors and associated electrical components.

Location	Well 27 Site								
Limits From/To:									
Schedule	Start	End		Facility Component Overall Risk Assessment Score					
Design Phase				We	55 (Moderate Risk)				
ROW/Esmt Acq.				**From Table 10-11 in Master Plan					
Construction				Prioritization Score	Priority Rank	Impact Fee Eligible*			
			-	23.0	1	No			

PROJECT NEED/BENEFITS

As the city has experienced wih other production wells, Well 27 shows significant signs of corrosion and heat deterioration on the electrical panels. These panels are 20+ years old and given their exposure put the city at risk for losing Well 27 if the electrical gear fails. This project will also provide a new electrical connection to the well head since the existing flexible conduit has deteriorated to the point of exposing the power cables which is a safety concern. Well 27 is rated to produce approximately 80 gpm for the city and based on the master plan, Well 27 ranked 14th worst out of all the wells within the system based on condition and criticality.

PROJECT COSTS		Prior		FY22		FY23		FY24		FY25		FY26		Future		Total
Design Phase	\$	-	\$	-	\$	-	\$	10,579	\$	-	\$	-	\$	-	\$	10,579
Construction (including 30% contingency)	\$	-	\$	-	\$	-	\$	38,071	\$	-	\$	-	\$	-	\$	38,071
Management	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Inspection/Testing	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Other	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Estimated Cost	\$	-	\$	-	\$	-	\$	48,650	\$	-	\$	-	\$	-	\$	48,650
Annual O&M Fiscal Impact	Ś	-	Ś	-	Ś	-	Ś	-	Ś	-	Ś	_	Ś	-	Ś	-

PRO	DJECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source Account No.	Fund	·		•	•	•			
	Planned CIP	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$
Total Revenues		\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$
EXPENDITURE			1.	Γ.	Γ.	Γ.	Τ.	T .	1 .
XX-XX-XXXX	TBD	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$
Total Expenditures		\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$



	CITY OF FAIR OAKS RANCH CAPITAL IMPROVEMENT PROGRAM								
PROJECT ID:	5R								
PROJECT TITLE	Water Plant # 3	ater Plant # 3 Pump Station - Electrical and Instrumentation Improvements							
DEPARTMENT(S)	Engineering	ngineering							

PROJECT DESCRIPTION: This project consists of electrical and instrumentation improvements to properly operate the new pumps to be installed at Water Plant # 3.

Location	Water Plant # 3							
Limits From/To:								
Schedule	Start	End						
Design Phase								
ROW/Esmt Acq.								
Construction								

Facility Component	Overall Risk Assessment Score
Water Plant # 3 Pump Station	3.31 (Low Risk)
Water Plant # 3 GST # 1	2.75 (Low Risk)
Water Plant # 3 GST # 2	2.55 (Low Risk)

**From Table 10-11 in Master Plan

Prioritization Score	Priority Rank	Impact Fee Eligible*
24.0	1	No

PROJECT NEED/BENEFITS

This project will address known pump issues at Water Plant # 3. Currently, this facility uses cellular for SCADA and serves as a repeater for well sites. The electrical equipment at the facility has been identified as the original equipment and it is beyond its expected service life. The facility has recently upgraded the incoming electrical service equipment and ATS, so bringing the rest of the electrical equipment up to new standards will improve the maintence of the facility for years to come.

PROJECT COSTS	Prior	-	FY22	FY23	FY24	FY25	FY26	Future	Total
Design Phase	\$ -	\$	-	\$ -	\$ 74,276	\$ -	\$ -	\$ -	\$ 74,276
Construction (including 30% contingency)	\$ -	\$	-	\$ -	\$ 216,169	\$ -	\$ -	\$ -	\$ 216,169
Management	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection/Testing	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Estimated Cost	\$ -	\$	-	\$ -	\$ 290,445	\$ -	\$ -	\$ -	\$ 290,445
Annual O&M Fiscal Impact	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PRO	JECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source									
Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	4S					
PROJECT TITLE	1.6 MGD Lift Station and 12" Force Main to New WWTP					
DEPARTMENT(S)	Engineering					

PROJECT DESCRIPTION: New lift station to convey flows from new gravity pipeline 3S to the new WWTP (Project 2S). This project was modified from the 2018 Water/Wastewater Master Plan as part of the 2020 Impact Fee Update.



ocation	To be determined by siting study for WWTP
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Limits From/To:

Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Prioritization	Priority Rank	Impact Fee	Impact Fee Funding
Score		Eligible*	Eligibility*
24.0	1	Yes	52%

^{*}Based on Water & Wastewater Impact Fee Report (FNI 2020)

PROJECT NEED/BENEFITS

Note: All amounts are shown in current dollars

This project will convey flows from the new gravity pipeline Project 3S to the new WWTP (Project 2S).

PROJECT COSTS	Prior	FY23	FY24	FY25	FY26	FY27	Future	Total
Design Phase	\$ -	\$ -	\$ -	\$ 404,203	\$ 36,763	\$ 37,896	\$ -	\$ 478,862
Construction (includes 30% contingency)	\$ -	\$ -	\$ -	\$ -	\$ 1,633,641	\$ 1,683,956	\$ -	\$ 3,317,597
Management	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection/Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Estimated Cost	\$ -	\$ -	\$ -	\$ 404,203	\$ 1,670,404	\$ 1,721,852	\$ -	\$ 3,796,459
Annual O&M Fiscal Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PRC	DJECT BUDGET	Prior	FY23	FY24	FY25	FY26	FY27	Future	Total
Funding Source									
Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Impact Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	8R	
PROJECT TITLE	School Lift Stat	ion - Mechanical Improvements
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project consists of modifications to the wet well and incorporating the lift station into the current SCADA system.

Location	School Lift Stati	on				
Limits From/To:						
Schedule	Start	End	Facility Co	omponent	Overall	Risk Assessment Score
Design Phase			School Li	ft Station	4.9	90 (Moderate Risk)
ROW/Esmt Acq.				**From T	able 10-19 in M	aster Plan
Construction			Prioritization Score	Priority Rank	Impact Fee Eligible*	
			19.0	2	No	

PROJECT NEED/BENEFITS

The City has developed a plan to standardize all of the lift stations in an effort to gain some efficiencies in the operation and maintenance of the system. In order to do this, the School Lift Station will need to be incorporated into the SCADA system to allow staff to control the lift station remotely and recieve notifications on alarms, etc. The School Lift Station ranked 3rd overall in criticality rankings, and 3rd overall in condition ratings. To mitigate potential risks to the City, staff would also like to create a new emergency access port into the wet well. This access port would afford the city the ability to install a temporary emergency pump in the event a pump goes down. The current configuration requires the City to open the access hatch to install an emergency pump creating odor and safety issues with an exposed wet well. This project would replicate what was done to the Bottom of the Hill Lift Station the City upgraded in 2018.

PROJECT COSTS		Prior	FY2	2	FY23		FY24	FY2	5	FY26		Future		Total
Design Phase	\$	-	\$	-	\$	- \$	57,209	\$	-	\$	- \$	-	\$	57,209
Construction (including 30% contingency)	\$	-	\$	-	\$	- \$	166,498	\$	-	\$	- \$	-	\$	166,498
Management	\$	-	\$	-	\$	- \$	-	\$	-	\$	- \$	-	\$	-
Inspection/Testing	\$	-	\$	-	\$	- \$	-	\$	-	\$	- \$	-	\$	-
Other	\$	-	\$	-	\$	- \$	-	\$	-	\$	- \$	-	\$	-
Total Estimated Cost	\$	-	\$	-	\$	- \$	223,707	\$	-	\$	- \$	-	\$	223,707
Annual O&M Fiscal Impact	Ś	-	Ś	-	\$ -	Ś	-	\$	-	Ś	- Ś	-	Ś	-

PRO	JECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE			_						
xx-xx-xxxx	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	9R	
PROJECT TITLE	Deer Meadows	Lift Station # 2 - Instrumentation
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project consists of modifications to the wet well and incorporating the lift station into the current SCADA system.

Location	Deer Meadows	Lift Station #	‡ 2				
Limits From/To:							
Schedule	Start	End		Facility Co	omponent	Overall	Risk Assessment Score
Design Phase					eadows tion # 2	4.:	25 (Moderate Risk)
ROW/Esmt Acq.					**From T	able 10-19 in M	laster Plan
Construction				Prioritization Score	Priority Rank	Impact Fee Eligible*	
			-	19.0	2	No	

PROJECT NEED/BENEFITS

The City has developed a plan to standardize all of the lift stations in an effort to gain some efficiencies in the operation and maintenance of the system. In order to do this, the Deer Meadows # 2 Lift Station will need to be incorporated into the SCADA system to allow staff to control the lift station remotely and recieve notifications on alarms, etc. The Deer Meadows # 2 Lift Station ranked 4th overall in criticality rankings and 5th overall in condition ratings. To mitigate potential risks to the City, staff would also like to create a new emergency access port into the wet well. This access port would afford the city the ability to install a temporary emergency pump in the event a pump goes down. The current configuration requires the City to open the access hatch to install an emergency pump creating odor and safety issues with an exposed wet well. This project would replicate what was done to the Bottom of the Hill Lift Station the City upgraded in 2018.

PROJECT COSTS	ı	Prior	F	Y22		FY23		FY24	FY25	FY26	1	Future	Total
Design Phase	\$	-	\$	-	\$	-	\$	32,388	\$ -	\$ -	\$	-	\$ 32,388
Construction (including 30% contingency)	\$	-	\$	-	\$	-	\$	94,261	\$ -	\$ -	\$	-	\$ 94,261
Management	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$ -
Inspection/Testing	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$ -
Other	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$ -
Total Estimated Cost	\$	-	\$	-	\$	-	\$	126,649	\$ -	\$ -	\$	-	\$ 126,649
Annual O&M Fiscal Impact	Ś	-	Ś	-	Ś	-	Ś	-	\$ -	\$ -	Ś	-	\$ -

PR	OJECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source Account No.	Fund		•				•		
	Planned CIP	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE			T.	T.	T.	T.	T.	T a	T 2
XX-XX-XXXX	TBD	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Ş -
Total Expenditures		\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	10R							
PROJECT TITLE	Deer Meadows	Deer Meadows Lift Station # 1 - Instrumentation						
DEPARTMENT(S)	Engineering							

PROJECT DESCRIPTION: This project consists of modifications to the wet well and incorporating the lift station into the current SCADA system.

Location	Deer Meadows	er Meadows Lift Station # 1							
Limits From/To:									
Schedule	Start	End		Facility Component Overall Risk Assessment Score					
Design Phase				Deer Meadows Lift Station # 4.35 (Moderate Risk)					
ROW/Esmt Acq.					**From T	able 10-19 in M	aster Plan		
Construction				Prioritization Score	Priority Rank	Impact Fee Eligible*			
			_	19.0	2	No			

PROJECT NEED/BENEFITS

The City has developed a plan to standardize all of the lift stations in an effort to gain some efficiencies in the operation and maintenance of the system. In order to do this, the Deer Meadows # 1 Lift Station will need to be incorporated into the SCADA system to allow staff to control the lift station remotely and recieve notifications on alarms, etc. The Deer Meadows # 2 Lift Station ranked 4th overall in criticality rankings and 4th overall in condition ratings. To mitigate potential risks to the City, staff would also like to create a new emergency access port into the wet well. This access port would afford the city the ability to install a temporary emergency pump in the event a pump goes down. The current configuration requires the City to open the access hatch to install an emergency pump creating odor and safety issues with an exposed wet well. This project would replicate what was done to the Bottom of the Hill Lift Station the City upgraded in 2018.

PROJECT COSTS	ı	Prior	F	Y22		FY23		FY24	FY25	FY26	1	Future	Total
Design Phase	\$	-	\$	-	\$	-	\$	32,388	\$ -	\$ -	\$	-	\$ 32,388
Construction (including 30% contingency)	\$	-	\$	-	\$	-	\$	94,261	\$ -	\$ -	\$	-	\$ 94,261
Management	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$ -
Inspection/Testing	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$ -
Other	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$ -
Total Estimated Cost	\$	-	\$	-	\$	-	\$	126,649	\$ -	\$ -	\$	-	\$ 126,649
Annual O&M Fiscal Impact	Ś	-	Ś	-	Ś	-	Ś	-	\$ -	\$ -	Ś	-	\$ -

PRO	JECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE					1			1	
xx-xx-xxxx	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	27R	
PROJECT TITLE	Effluent Pump	Station Expansion
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project is subject to additional review and/or modification pendiing a decisions on the timeline of the WWTP.

Location	WWTP Site					
Limits From/To:						
Schedule	Start	End				
Design Phase						
ROW/Esmt Acq.						
Construction						

Prioritization Score	Priority Rank	Impact Fee Eligible*
19.0	2	No

PROJECT NEED/BENEFITS

The current effluent pump station does not have the capacity to pump all the way from the WWTP to the dischare point at the golf course ponds. The City must utilize a secondary pumping station on the WWTP which has limited storage capacity, challenging the City's ability to move treated effluent out of the plant. In addition, the secondary pump station is in the floodplain of Cibolo Creek and subject to flooding. This project would improve the pumping capacity to allow effluent to be sent all the way to the golf course ponds. This timing of this project is subject to review and modification pending a decision on the timeline for the WWTP (Project 2S).

PROJECT COSTS		Prior		FY23		FY24		FY25	FY26	FY27		Future		Total
Design Phase	\$	-	\$	-	\$	-	\$	-	\$ 42,701	\$ 7,767	\$	-	\$	50,468
Construction (including 30% contingency)	\$	-	\$	-	\$	-	\$	-	\$ -	\$ 155,350	\$	-	\$	155,350
Management	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$	-
Inspection/Testing	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$	-
Other	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$	-	\$	-
Total Estimated Cost	\$	-	\$	-	\$	-	\$	-	\$ 42,701	\$ 163,117	\$	-	\$	205,818
Annual O&M Fiscal Impact	Ś	-	Ś	-	Ś	-	Ś	-	\$ -	\$ -	Ś	-	Ś	-

1	PROJECT BUDGET	Prior	FY23	FY24	FY25	FY26	FY27	Future	Total
Funding Source Account No.	Fund								
	Planned CIP	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE			Τ.	1.	1.	1.	1.	1 .	
XX-XX-XXXX	TBD	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



	CITY OF FAIR OARS RANCH CAPITAL IMPROVEMENT PROGRAM									
PROJECT ID:	ECT ID: 3R									
PROJECT TITLE	Elmo Davis Pun	mo Davis Pump Station - Electrical Improvements								
DEPARTMENT(S)	Engineering									

PROJECT DESCRIPTION: This project consists of the rehabilitation of various electrical components at the Elmo Davis pump station. This project is being considered in conjunction with Project 6W.

Location	Elmo Davis Pump Station					
Limits From/To:						
Schedule	Start	End				
Design Phase						
ROW/Esmt Acq.						
Construction						

Facility Component	Overall Risk Assessment Score
Elmo Davis Pump Station	5.46 (Moderate Risk)
Elmo Davis GST # 1	7.60 (High Risk)
Elmo Davis GST # 2	7.40 (High Risk)

**From Table 10-11 in Master Plan

	Prioritization	Priority Rank I '	Impact Fee
L	Score		Eligible*
	20.0	2	No

PROJECT NEED/BENEFITS

This project will address the electrical issues noted in the master plan to include, replacing a tap box with a distribution panelboard which will provide isolation when working on any starters. This project will also update some of the aging electrical components such as the pump 3 starter, which has been noted to be the original starter. The panelboards, transformer and other components have also been identified as potential risks to operation and maintenance to this pump station which serves approximately 1060 connections. This project may be considered to be combined with Project 6W.

PROJECT COSTS	Prior	FY22	FY23	FY24	FY25	FY26	Fu	iture	Total
Design Phase	\$ -	\$ -	\$ 61,642	\$ -	\$ -	\$ -	\$	-	\$ 61,642
Construction (including 30% contingency)	\$ -	\$ -	\$ -	\$ 122,812	\$ 126,595	\$ -	\$	-	\$ 249,407
Management	\$ -	\$ -	\$	\$ -	\$ -	\$ -	\$	-	\$ -
Inspection/Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -
Total Estimated Cost	\$ -	\$ -	\$ 61,642	\$ 122,812	\$ 126,595	\$ -	\$	-	\$ 311,049
Annual O&M Fiscal Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -

PRO	JECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source									
Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	11R	
PROJECT TITLE	Well K6 - Electr	ical
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project consists of replacing the electrical service head, panels, conductors and associated electrical components.

Location	Well K6 Site										
Limits From/To:											
Schedule	Start	End		Facility Co	mponent	Overall	Risk Assessment Score				
Design Phase				Well K6 7.50 (High Risk)							
ROW/Esmt Acq.					**From T	able 10-11 in Master Plan					
Construction				Prioritization Score	Priority Rank	Impact Fee Eligible*					
			-	20.0	2	No	1				

PROJECT NEED/BENEFITS

Well K6 is deemd a highly crtitical well for the City with a capacity of approximately 110 GPM. Well K6 ranked worst of all of the wells within the system based on condition and criticality assessed in the master plan. The existing electrical eqiupment is past its expected service life and is recommend for replacement. As with other wells, the city will look to improve the insulation system to prevent the accelerated corrosion under insulation.

PROJECT COSTS	Prior	I	FY22	FY23	FY24	FY25	FY26	ı	Future	Total
Design Phase	\$ -	\$	-	\$ -	\$ 11,414	\$ -	\$ -	\$	-	\$ 11,414
Construction (including 30% contingency)	\$ -	\$	-	\$ -	\$ 34,242	\$ -	\$ -	\$	-	\$ 34,242
Management	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -
Inspection/Testing	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -
Other	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -
Total Estimated Cost	\$ -	\$	-	\$ -	\$ 45,656	\$ -	\$ -	\$	-	\$ 45,656
Annual O&M Fiscal Impact	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -

PRO	DJECT BUDGET	Prior	FY22	FY23 FY24 FY25			FY26	Future	Total
Funding Source Account No.	Fund	·							
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
xx-xx-xxxx	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	11W	
PROJECT TITLE	Water Plant #6 (Zone A/B)	and New GBRA Delivery Point
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project consists of a new Water Plant #6 at the intersection of West Ammann Road and the Comal County Line. It will include a 600 gpm Zone A Pump Station, a 1,600 gpm Zone B Pump Station, and a 1.75 MG Ground Storage Tank. This project will create a new delivery point from GBRA.



ocation	Water Plant # 6

Limits From/To: Along W Ammann Road between Ralph Fair Road and Rolling Acres Trail

Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Prioritization Score	Priority Rank	Impact Fee Eligible*	Impact Fee Funding Eligibility*
19.0	2	Yes	100%

^{*}Based on Water & Wastewater Impact Fee Report (FNI 2020)

PROJECT NEED/BENEFITS

This project will allow for additional production and distribution capacity for Zones A and B. This project also provides the City's system with proper resources in Zone B for operational improvement. This facility is anticipated to be needed between 2023 and 2026 to distribute additional supply into the system based on the projections in the Master Plan - timing shall be revisited yearly based on updated growth projections and the project timing shifted accordingly.

PROJECT COSTS	Prior	r	FY22	FY23	FY24	FY25	FY26	Future	Total
Design Phase	\$	- 5	; -	\$ -	\$ 448,231	\$ 323,426	\$ 151,817	\$ -	\$ 923,474
Construction (includes 30% contingency)	\$	- 5	\$ -	\$ -	\$ -	\$ 1,963,618	\$ 4,722,894	\$ -	\$ 6,686,512
Management	\$	- 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$
Inspection/Testing	\$	- 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$
Other	\$	- 5	\$ -	\$ -	\$ -	\$	\$ -	\$ -	\$ -
Total Estimated Cost	\$	- 5	\$ -	\$ -	\$ 448,231	\$ 2,287,044	\$ 4,874,711	\$ -	\$ 7,609,986
Annual O&M Fiscal Impact	\$	- 5	ŝ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PRO	JECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source					-				
Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Impact Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	16R	
PROJECT TITLE	Well CR1 - Elect	trical
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project consists of the replacement of the pump starter motor and upsizing the pump electrical cables at wellsite CR1.

Location	Well CR1 Site								
Limits From/To:									
Schedule	Start	End		Facility Co	omponent	Overall	Risk Assessment Score		
Design Phase	·	·		Well	CR1	5.4	40 (Moderate Risk)		
ROW/Esmt Acq.					**From Table 10-11 in Master Plan				
Construction				Prioritization Score	Priority Rank	Impact Fee Eligible*			
			-	16.0	2	No			

PROJECT NEED/BENEFITS

This project will address the electrical safety concerns and deteriorating components at this well site. The pump starter motor appears to be the original starter and is beyond it's expected service life. There is also concern about the conductor that was pulled to the motor being oversized which could cause the pump to run above its rated capacity and eventually fail. During the site observation, the master plan noted that only some cable strands were trimmed and only a portion of the cable is connected which is a safety hazard. This well site produces approximately 70 gpm to the city's distribution system. and based on the criticality and condition of the well at the time of inspection, Well CR1 ranked 15th worst out of all wells within the system.

PROJECT COSTS	ı	Prior	FY	22		FY23	FY24	FY25	FY26		Future	Total
Design Phase	\$	-	\$	-	\$	-	\$ 11,048	\$ -	\$ -	\$	-	\$ 11,048
Construction (including 30% contingency)	\$	-	\$	-	\$	-	\$ 33,142	\$ -	\$ -	\$	-	\$ 33,142
Management	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
Inspection/Testing	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
Other	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
Total Estimated Cost	\$	-	\$	-	\$	-	\$ 44,190	\$ -	\$ -	\$	-	\$ 44,190
Annual O&M Fiscal Impact	Ś	-	Ś	-	Ś	-	\$ -	\$ -	\$ -	Ś	-	\$ -

PRO	JECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE				1	1			1	
xx-xx-xxxx	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	19R	
PROJECT TITLE	Well 31 - Struct	tural/Mechanical
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: This project consists of re-coating and replacing the insulation system on the yard piping, and replacing the site fencing at well site 31.

Location	Well 31 Site									
Limits From/To:										
Schedule	Start	End		Facility Co	omponent	Overall	Risk Assessment Score			
Design Phase				Well 31 5.15 (Moderate Risk)						
ROW/Esmt Acq.				**From Table 10-11 in Master Plan						
Construction				Prioritization Score	Priority Rank	Impact Fee Eligible*				
·			_'	16.0	2	No				

PROJECT NEED/BENEFITS

This project will replace the perimeter fencing due to its age and condition. This project will also improve the insulation system preventing the corrosion of the piping under the insulation. This project will also involve coating the piping and valves to extend the service life of the well which is rated for 80 gpm capacity. Based on the condition and critical assessment in the master plan, Well 31 ranked 17th out of all the wells within the system.

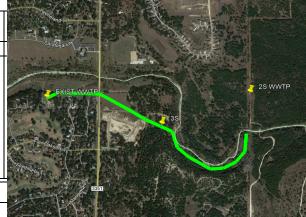
PROJECT COSTS	Prior	1	FY22		FY23	FY24	FY25	FY26	F	uture	Total
Design Phase	\$ -	\$	-	\$	-	\$ 5,363	\$ -	\$ -	\$	-	\$ 5,363
Construction (including 30% contingency)	\$ -	\$	-	\$	-	\$ 16,087	\$ -	\$ -	\$	-	\$ 16,087
Management	\$ -	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
Inspection/Testing	\$ -	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
Other	\$ -	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
Total Estimated Cost	\$ -	\$	-	\$	-	\$ 21,450	\$ -	\$ -	\$	-	\$ 21,450
		•		•							
Annual O&M Fiscal Impact	\$ -	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -

PRO	JECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source Account No.	Fund								
	Planned CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE			_						
xx-xx-xxxx	TBD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



PROJECT ID:	3S	
PROJECT TITLE	New Gravity Lir WWTP	ne from Old WWTP to New
DEPARTMENT(S)	Engineering	

PROJECT DESCRIPTION: A new 12/15/18-inch gravity line from the existing WWTP to the proposed lift station at the new WWTP. This project is being considered in conjunction with Projects 2S and 4S.



Location Old WWTP to New 1.	6 MGD Lift Station	
-----------------------------	--------------------	--

Limits From/To:

Schedule	Start	End
Design Phase		
ROW/Esmt Acq.		
Construction		

Prioritization	Priority Rank	Impact Fee	Impact Fee Funding		
Score		Eligible*	Eligibility*		
14.0	3	Yes	25%		

^{*}Based on Water & Wastewater Impact Fee Report (FNI 2020)

PROJECT NEED/BENEFITS

Note: All amounts are shown in current dollars

This project will convey wastewater flows from the existing WWTP to the new WWTP (Project 2S) by installing approximately 2,690 linear feet of 12-inch, 2,640 linear feet of 15-inch, and 1,320 linear feet of 18-inch of sewer main to the proposed lift station included with Project 2S. This project avoids the re-routing of existing flow paths in the system to the WWTP. This sewer line will also allow the City to serve the ultimate population in this area. Refer to Project 2S for a detailed project description and project needs/benefits.

PROJECT COSTS	Prior	FY23	FY24	FY25	FY26	FY27	Future	Total
Design Phase	\$	- \$ -	\$ -	\$ -	\$ 251,000	\$ 45,659	\$ -	\$ 296,659
Construction (includes 30% contingency)	\$	- \$ -	\$ -	\$ -	\$ -	\$ 2,028,625	\$ -	\$ 2,028,625
Management	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection/Testing	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Estimated Cost	\$	- \$ -	\$ -	\$ -	\$ 251,000	\$ 2,074,284	\$ -	\$ 2,325,284
Annual O&M Fiscal Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PRO	JECT BUDGET	Prior	FY22	FY23	FY24	FY25	FY26	Future	Total
Funding Source									
Account No.	Fund								
	Planned CIP	\$.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Impact Fees	\$.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues		\$.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURE									
XX-XX-XXXX	TBD	\$.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -