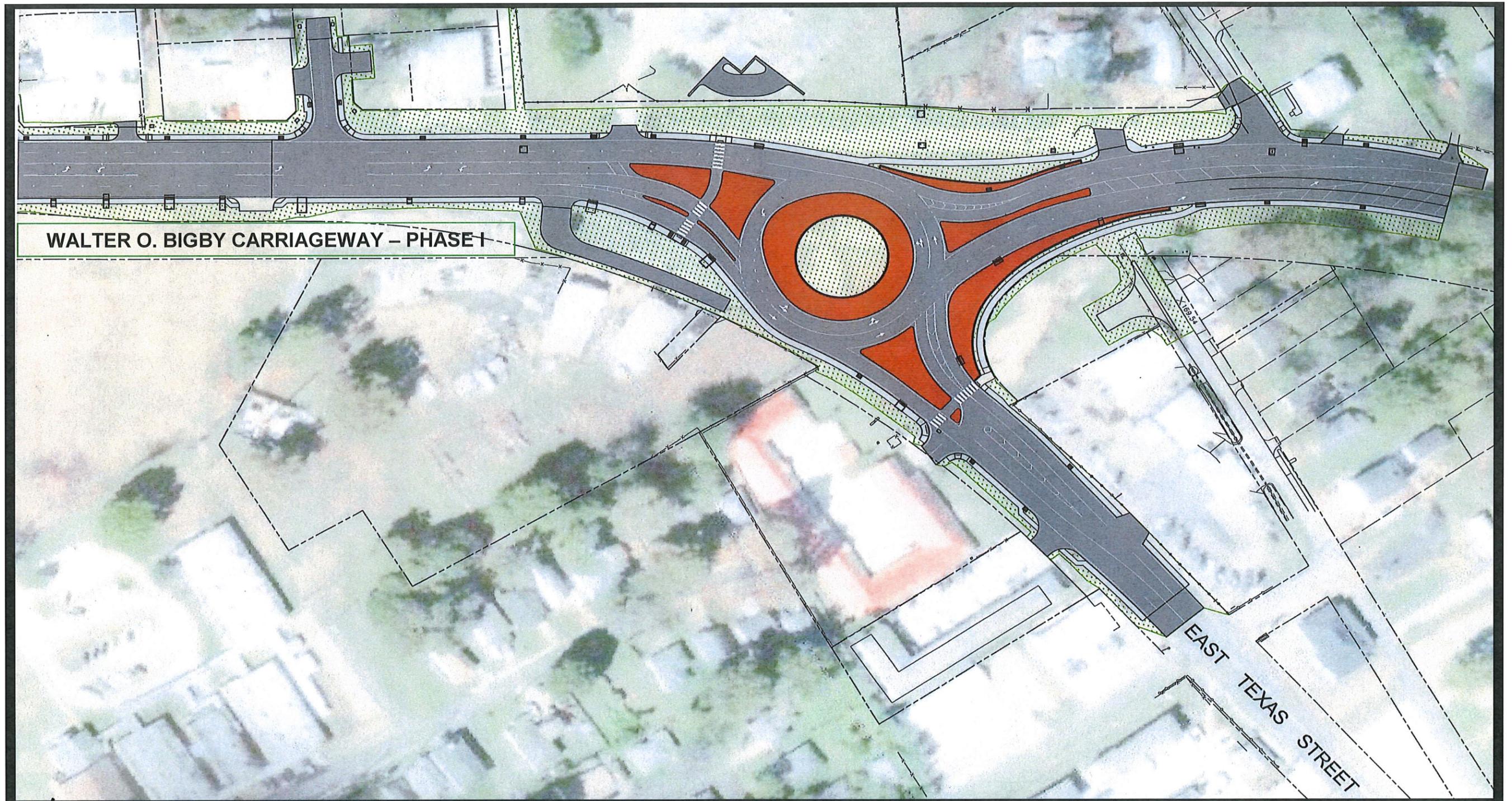


CITY OF BOSSIER CITY

FIVE-YEAR CAPITAL PROJECTS 2020-2024



Bossier City Transportation Improvements Plan (Years by Quarter) As of January 1, 2020

City Project	2020				2021				2022				2023				2024			
	Q1	Q2	Q3	Q4																
Plantation Drive Right Hand Turn @ Airline																				
Estimated Cost: \$400,000																				
Design																				
Right of Way																				
Bid																				
Construction																				
Melrose Extension to Plantation Drive \$950,000																				
Design in 2019																				
W.O.B. Carriageway Project																				
Est. cost \$60 million																				
Hwy 80 to Hamilton Road - PHASE I																				
Construction																				
Hwy 80 to LA 3 (Benton Road) - PHASE II																				
Bid																				
Construction																				

Legend	
	Design by Others
	Right-of-Way by City of Bossier
	Public Bid
	City of Bossier City Construction Project

Bossier City Transportation Improvements Plan (Years by Quarter) As of January 1, 2020

City Project	2020				2021				2022				2023				2024			
	Q1	Q2	Q3	Q4																
SOUTH BOSSIER REDEVELOPMENT DISTRICT ON-GOING																				
Construction																				
2020 Funding \$4,857,655 million																				
Innovation Drive Extension																				
Bid Project																				
Construction																				
Estimated Funding: \$15 million																				
Airline Drive Underpass @ KSC Rail Crossing at I-20																				
Construction																				
Estimated Cost: \$12 million																				
Concrete Repairs - \$1 million																				
Asphalt Road Repair - \$750,000																				
B-1 Lateral Ditch (K-Mart to Pierre Bossier Mall)																				
Estimated Cost: \$500,000																				
Police Department Jail Expansion and Other Building Expansion Projects																				
Estimated Cost: \$10 million																				
Animal Control Building Addition																				
Est. Cost \$1.3 million																				
Construction																				
I-220/Shed Rd., Interchange Lighting																				
Est. Cost: \$440,000																				

Legend	
	Design by Others
	Right-of-Way by City of Bossier
	Public Bid
	City of Bossier City Construction Project

Bossier City Transportation Improvements Plan (Years by Quarter) As of January 1, 2020

City Project	2020				2021				2022				2023				2024			
	Q1	Q2	Q3	Q4																
Connect Walmart/Kroger Parking Lots																				
Estimated Cost: \$100,000																				
Design																				
Bid of Project	▲																			
Construction		■	■	■																
Viking Drive Widening																				
Estimated Cost \$10 Million \$80/20 split																				
Design																				
Right of Way	■	■																		
Bid																				
Construction									■	■	■	■	■	■	■					
Melrose to Plantation																				
Estimated Cost: \$900,000																				
Design	■	■																		
Construction		■	■	■																
Northgate Lighting																				
Estimated Cost: \$40,000	■																			

Legend	
■	Design by Others
■	Right-of-Way by City of Bossier
▲	Public Bid
■	City of Bossier City Construction Project

Public Works 2020-24 Drainage Projects

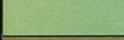
(January 2020) Page 4

City Project	2020				2021				2022				2023				2024			
	Q1	Q2	Q3	Q4																
Cox Street Ditch Repairs																				
Estimated Cost: \$700,000																				
2020 Unplanned Drainage Repairs																				
Estimated Cost: \$125,000																				
Citywide Striping																				
Estimated Cost: \$250,000																				
Culvert Repair - Diamondjacks																				
Estimated Cost: 220,000																				

Legend	
	Design by Others
	Right-of-Way by City of Bossier
	Public Bid
	City of Bossier City Construction Project

Bossier Parks and Recreation Capital Improvement Projects As of January 1, 2020

City Project	2020				2021				2022				2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
City Wide Park Improvements																				
All Ball Field Improvements Parks: \$300,000	[Red Bar]																			
Swimming Pool Improvements - \$136,267	[Red Bar]																			
Concrete & Fence Repair Various Parks \$100,000	[Red Bar]																			
Swan Lake Park																				
Park Improvements - \$262,000	[Red Bar]																			
Field of Dreams																				
Improvements - \$33,200	[Red Bar]																			
North Bossier Park																				
Tennis Center Equipment \$159,720	[Red Bar]																			
Tinsley Park																				
Ball Field Improvements \$86,162	[Red Bar]																			
Hooter Park																				
Park Improvements - \$39,500	[Red Bar]																			
Shady Grove Park																				
Park Improvements - \$19,000	[Red Bar]																			
Walbrook Park																				
Park Improvements - \$4,000	[Red Bar]																			
Mitchell Park																				
Park Improvements \$10,500	[Red Bar]																			
Patricia Park																				
Park Improvements \$27,800	[Red Bar]																			
Mike Wood																				
Park Improvements \$157,450	[Red Bar]																			

Legend	
	Design by Others
	Right-of-Way by City of Bossier
	Public Bid
	City of Bossier City Construction Project

NE WWTP CAPITAL NEEDS FOR 2019

General Maintenance Contingency Fund										\$80,000.00	\$80,000.00	\$80,000.00	\$80,000.00
New Clarifier Inlet Troughs									\$10,000.00				
Rotor motors on the Plant #2 Aeration ditches										\$21,000.00			
Clarifier inlet gate actuators electrical										\$9,000.00			
Electrical controls on Clarifiers and RAS w/canopy										\$34,000.00			
Sludge Storage area											\$180,000.00		
Oven for the lab										\$5,000.00			
Baffle weirs for ditches										\$73,500.00			
Rotor Bearings set on ditches										\$15,000.00			
Plant Grounds Maintenance										\$3,000.00			
Analytical Scale										\$3,000.00			
Plant 1 Ditch clean out											\$150,000.00		
Floor matts										\$1,200.00			

RED RIVER WWTP CAPITAL NEEDS 2019

UV Bulbs									\$58,000.00				
General Maintenance Contingency Fund											\$300,000.00	\$400,000.00	\$400,000.00
Clean Oxidation Ditch #1									\$100,000.00				
Tools for Maintenance Trucks									\$7,000.00				
Elevated Walkway between Belt Presses									\$25,000.00				
Replace Worn Couplings on Ditch #2									\$12,000.00				
Lights for UV Cover									\$10,000.00				
Crane System at UV Gates									\$10,000.00				
Rebuild of Corroded Grit Washer									\$35,000.00				
Washer and Dryer plus Electrical and Plumbing									\$5,000.00				
Cover for the effluent pump station									\$50,000.00				
Tommy Lift for maintenance truck										\$3,500.00			
Lights for Sludge structure										\$20,000.00			
UV light, Sleeves, and material										\$85,000.00			
Back Hoe										\$83,400.00			
PC monitor & tower for training station										\$2,500.00			
Hach WIMS support										\$7,800.00			
Hach maintenance contract										\$7,000.00			
Replace worn couplers										\$13,000.00			
Flow meter calibration										\$7,000.00			
Air compressor										\$3,600.00			
Employee Certification plaque décor										\$1,500.00			
NPW Strainers/Filters										\$2,400.00			
Plant Grounds Maintenance										\$3,000.00			
UV Storm water runoff drainage										\$7,000.00			
Fine Screen Motors										\$4,000.00			
Portable UV Meter										\$2,200.00			
Parking lot striping										\$700.00			
Risk Management audit awareness support										\$5,000.00			
Maintenance Tools / Equipment										\$5,000.00			
Washer & Dryer plus electrical and plumbing										\$6,000.00			

ENVIRONMENTAL DIVISION CAPITAL NEEDS 2019

General Maintenance Contingency Fund										\$10,000.00	\$45,000.00	\$10,000.00	\$10,000.00
Vehicle Replacement											\$27,500.00		
Compact Composite Sampler									\$6,000.00				
Ni-Cad Batteries									\$2,000.00				
Strainers									\$1,600.00				
pH Probes									\$1,500.00				
Sanitary Sewer Software program										\$10,000.00			
Field Service Technology										\$4,600.00			

Lift Station Division Capital Needs															
Back Pack Blowers													\$1,200.00		
Lift Station Alarms													\$25,500.00		
Chainsaw													\$500.00		
Push Mower													\$1,050.00		
Aerator (Odor Control)													\$3,500.00		
4" Rubber Suction Hose & Fittings													\$7,500.00		
Odor Control													\$25,000.00		
Hoist													\$600.00		
Lift Station Rehabs and Improvements										\$100,000.00		\$100,000.00			
Bypass Pump (6")												\$52,000.00			
Integralert Alarms										\$35,000.00					
Waller St. Bypass										\$15,000.00					
Zero Turn Mower										\$8,000.00					
Push Mower										\$600.00					
Hoist										\$1,200.00					
Tools										\$2,800.00					
Gas Monitor										\$3,500.00					
Trailer Mounted Generator										\$65,000.00					
Spare Parts Inventory										\$50,000.00		\$50,000.00			
Odor Control										\$25,000.00					
General Maintenance Contingency Fund									\$100,000.00		\$175,000.00	\$100,000.00	\$250,000.00	\$250,000.00	
Sewer Collections Division Capital Needs															
Recondition and Maintenance of Wash Trucks & TV Van										\$35,000.00	\$35,000.00	\$30,000.00	\$25,000.00	\$20,000.00	\$20,000.00
Gravity Sewer Main Washing and Inspection										\$300,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00
Manhole Rehabilitation Projects										\$100,000.00	\$20,000.00				
General Maintenance Contingency Fund										\$200,000.00	\$250,000.00				
On Hold															
Open Door PS Elimination (PS #53) (NE WWTP Service Area)	On Hold		\$1,750,000.00												\$1,750,000.00
Carriage Oaks #2 PS Elimination (PS #69)(NE WWTP Service Area)	On Hold		\$1,300,000.00												\$1,300,000.00
New Vanceville Pump Station (tied to Willow Lake PS and The Perfect Place PS elimination)	On Hold		\$750,000.00												\$750,000.00
Fawn Hollow PS Elimination (PS #79)(NE WWTP Service Area)	On Hold		\$1,000,000.00												\$1,000,000.00
The Perfect Place PS Elimination (PS #86)(NE WWTP Service Area)	On Hold		\$800,000.00												\$800,000.00
North Point PS Elimination (PS #103)(NE WWTP Service Area)	On Hold		\$1,500,000.00												\$1,500,000.00
Medical Drive PS Elimination (PS #11) (RR WWTP Service Area)	On Hold		\$500,000.00												\$500,000.00
New Barnill's Pump Station (tied to Le Bossier PS, Meadow View #1 PS & Open Door PS elimination)	On Hold		\$1,500,000.00												\$1,500,000.00
<i>Engineering</i>			\$0.00	\$915,327.78	\$700,000.00	\$500,000.00			\$500,000.00	\$300,000.00	\$300,000.00	\$300,000.00	\$300,000.00	\$300,000.00	\$300,000.00
<i>Miscellaneous</i>			\$0.00	\$265.25	\$38,564.36	\$92,875.00									
<i>Project Inspection</i>			\$0.00	\$0.00	\$267,525.00	\$300,000.00									
<i>Contingencies</i>			\$0.00	\$0.00	\$0.00	\$0.00									
<i>Legal/Administrative</i>			\$0.00	\$119,401.10	\$117,410.00	\$107,125.00									
Total for Funded Projects/Equipment:			\$86,623,381.47	\$25,076,293.20	\$10,000,000.00	\$10,000,000.00	\$13,000,000.00	\$5,115,617.96	\$9,520,498.17	\$2,735,000.00	\$2,894,450.00	\$3,341,950.00	\$3,040,950.00	\$2,143,950.00	\$10,300,000.00
			Balance					Total Sources	\$9,726,100.00	\$3,450,700.00	\$3,437,400.00	\$3,422,800.00	\$3,830,500.00	\$3,838,400.00	
			\$116,242.80					Ending Balance	\$205,601.83	\$715,700.00	\$542,950.00	\$80,850.00	\$789,550.00	\$1,694,450.00	



Five (5) Year Drinking Water Capital Improvement Plan (2020)

August 13, 2019

Capital Projects	2019 Budgeted Expenditures	2020 Budgeted Expenditures	2021 Budgeted Expenditures	2022 Budgeted Expenditures	2023 Budgeted Expenditures
	Capital Fund				
HR14 - A, B and E (42" Water Line Over Levee At WTP)	\$2,200,020.00				
HR14-C (42" Water Line from Shed Road to Airline) (LDH Bond)	\$6,133,162.00				
Melrose & Plantation Drive Utilities (COBC Bond)	\$2,000,000.00				
Innovation Drive Water & Sewer Utilities (COBC Bond)	\$3,098,737.96				
Walter O Bigby Carriageway Water Line Relocation (2015 LCDA Bond)	\$5,211,227.40				
North/South Water Line Connector Project	\$1,404,206.00				
Barksdale South Waterline Replacement Project (Unfunded)	\$7,000,000.00				
Water System Capital Project Contingency Fund			\$500,000.00	\$500,000.00	\$500,000.00
Capital Expenditures (O&M)	2019 Budgeted Expenditures	2020 Budgeted Expenditures	2021 Budgeted Expenditures	2022 Budgeted Expenditures	2022 Budgeted Expenditures
	Capital Fund				
ADMINISTRATION DIVISION					
Computer Equipment (Admin Division)	\$5,000.00	\$40,000.00			
Admin Division Contingency Budget			\$50,000.00	\$50,000.00	\$50,000.00
Customer Service Division	\$96,730.00	\$5,000.00			
WATER TREATMENT DIVISION					
Replace GAC Media	\$195,000.00				
Plant Painting and Cosmetic Improvements	\$30,000.00				
WTP System Servicing/Ozone & LOX Systems	\$65,000.00				
WTP Chemical System Certification & Servicing	\$30,000.00				
Risk Management Plan Yearly Maintenance Fee	\$4,200.00				
Super P Clarifier Tank Cleaning	\$50,000.00				
Two PTZ Security Cameras	\$32,700.00				
PM On Chlorine Scrubber	\$9,000.00				
Water Tower Inspection, Cleaning & Maint.	\$15,000.00				
UCMR Monitoring	\$40,000.00				
Chlorine Cleanse	\$32,000.00				
Structure Around Plant 3 GAC Air Compressors	\$15,000.00				
PALL Membrane System Annual Service Contract	\$40,000.00				
Annual PM on Ozone Chillers	\$6,000.00				
Replace Superintendent Vehicle	\$35,000.00				
Plant Grounds Maintenance Improvements	\$4,200.00				
Evaporative Air Coolers	\$4,000.00				
Warranty/Service for Large Eaton UPS Systems	\$11,500.00				
Replace Pump/Motor #2 @ NRPS	\$100,000.00				
Replacement of rusty bolts at Plant 3	\$140,000.00				
Replace Flow Meter/Plant 1 & 2 Total Raw Flow	\$75,000.00				
Replace Reservoir Pump Station Roof	\$9,500.00				
13 HP 30 Gallon Stationary Air Compressor	\$3,300.00				
Riding Lawn Mower 72" with Canopy Top	\$11,000.00				
Rotary Attachment for Bush Hog	\$4,000.00				
Security Fence to Prevent Unauthorized Entry	\$12,000.00				
Membrane Strainer Repairs (#1, 5, & 6)	\$19,800.00				
Membrane Feed Pump Repairs	\$20,000.00				
Water System Repairs	\$165,000.00				
Valve Maintenance (Phase 1)	\$100,000.00				
Water Fill Station	\$15,000.00				
Debris Removal	\$25,000.00				
High Service Pump Repair	\$25,000.00				

LaCross Apartments Water Main	\$30,000.00				
WTP Ozone System Improvements	\$201,400.00				
WTP Chemical Booster Station	\$700,000.00				
Reservoir Pump No. 5 Repairs	\$45,000.00				
Water Quality Mobil App	\$20,000.00				
Water Projects (Balance Forward from 2018 - Incomplete Proj.)	\$255,169.00				
Storm Water Drainage - Atakapa	\$675,523.00				
Replace GAC Media (Filters #1, #2, & #3)		\$630,000.00			
Water Tower Inspection, Cleaning & Maint.		\$10,000.00			
Super P Tank Cleaning		\$50,000.00			
Chlorine Cleanse		\$32,000.00			
WTP Chemical System Certification & Servicing		\$30,000.00			
Risk Management Plan		\$4,200.00			
Raw Water Intake Debris Removal		\$48,000.00			
GAC Desiccant Dryers		\$4,000.00			
Two PTZ Security Cameras		\$7,800.00			
Relocate GAC Air Compressors		\$45,000.00			
Chlorine Scrubber		\$5,500.00			
Pall Membrane System Servicing		\$40,000.00			
Ozone Chillers		\$6,000.00			
Plant Painting and Cosmetic Improvements		\$31,000.00			
Membrane Isolation Butterfly Valves		\$35,000.00			
Warranty/Service For Large Eaton UPS Systems		\$11,500.00			
Replace Pump/Motor #2 @ NRPS		\$177,000.00			
Crane-Hoist Inspection & Repairs		\$30,000.00			
Membrane Feed Pump-Discharge Expansion Joints		\$38,000.00			
Replace Fluid Mesh Link @ NRPS & Reservoir PS		\$7,200.00			
Clearwells # 1 & #2 CT		\$60,000.00			
North River Pump Stat Electrical		\$1,500.00			
Soft Doors For Kubota		\$1,500.00			
Security Fence To Prevent Unauthorized Entry		\$11,000.00			
Membrane Strainer Repairs Parts - Repairs		\$30,000.00			
Chemical Injection Point Modifications		\$20,000.00			
RMP New Regulatory Updates		\$50,000.00			
Carpet Cleaning Machine		\$300.00			
Plant Air Compressors		\$18,000.00			
Tank Mixers - SCADA Integration		\$13,000.00			
Extend Overflow Pipe at Airline Tower		\$100,000.00			
Extend Existing Canopy to Cover Lawn Equipment		\$45,000.00			
Updated "Wall-Map"		\$10,000.00			
North Bossier Elevated Tank Lighting		\$80,000.00			
Elevated Tank Painting (NE and 71 South)		\$1,500,000.00			
Water Treatment Division Contingency Budget			\$750,000.00	\$750,000.00	\$500,000.00
WATER MAINTENANCE DIVISION					
Valve Management Program	\$319,000.00	\$319,000.00			
Parts & Tools Inventory	\$30,000.00	\$30,000.00			
Water Sampling Station Maintenance	\$5,000.00	\$6,510.00			
Fire Hydrant Preventive Maintenance	\$157,500.00	\$234,000.00			
Distribution System Pressure/Flow Imp.		\$1,000,000.00			
General Water Maintenance Division Contingency Budget			\$500,000.00	\$500,000.00	\$250,000.00
Planned Expenditures:	\$7,487,748.00	\$4,817,010.00	\$1,800,000.00	\$1,800,000.00	\$1,300,000.00
Ending Balance:	\$311,352.00	\$120,790.00	\$148,300.00	\$159,300.00	\$370,600.00
Total Funds:	\$7,799,100.00	\$4,937,800.00	\$1,948,300.00	\$1,959,300.00	\$1,670,600.00