



# City of Bossier City Five-Year Capital Projects Plan 2018-2022



# Bossier City Transportation Improvements Plan (Years by Quarter) As of January 1, 2018

City Project	2018				2019				2020				2021				2022			
	Q1	Q2	Q3	Q4																
<b>Plantation Drive Right Hand Turn @ Airline</b>																				
Estimated Cost: \$400,000																				
Design																				
Right of Way																				
Bid																				
Construction																				
<b>Melrose Extension to Plantation Drive \$800,000</b>																				
Design in 2019																				
<b>Shed Road ( Benton to Airline) 80/20 Cost Match Project</b>																				
Design																				
Right of Way Acquisition (City)																				
Bid of Project - Dec 2015																				
Construction																				
<b>Total Estimated Project Cost: \$10.5 million City's 20% Est: 2.1 million</b>																				
<b>W.O.B. Carriageway Project</b>																				
Construction of W.O.B. Carriageway																				
Est. cost \$50 million																				
Segments include:																				
<b>Hwy 80 (Parkway Enhancements) to LA 3 (Benton Road)</b>																				
Design																				
ROW																				
Bid Project																				
Construction																				
<b>Hwy 80 to Hamilton Road</b>																				
Design																				
ROW																				
Bid Project																				
Construction																				

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

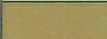
# Bossier City Transportation Improvements Plan (Years by Quarter) As of January 1, 2018

City Project	2018				2019				2020				2021				2022			
	Q1	Q2	Q3	Q4																
<b>SOUTH BOSSIER REDEVELOPMENT DISTRICT ON-GOING</b>																				
Construction																				
Estimated Funding \$3.6 million																				
<b>Innovation Drive Extension</b>																				
Bid Project																				
Construction																				
Estimated Funding: \$15 million																				
<b>Airline Drive Underpass @ KSC Rail Crossing at I-20</b>																				
Construction																				
Estimated Cost: \$12 million																				
<b>City-Wide Street Repairs</b>																				
Concrete Repairs - \$1 million																				
Asphalt Road Repair - \$750,000																				
<b>B-1 Lateral Ditch (K-Mart to Pierre Bossier Mall)</b>																				
Estimated Cost: \$500,000																				
<b>Police Department Jail Expansion and Other Building Expansion Projects</b>																				
Estimated Cost: \$10 Million																				
<b>Plantation Trace Ditch - Concrete</b>																				
Estimated Cost: \$850,000																				
<b>Sunflower Road Turn Lanes at U.S. 71</b>																				
Design																				
Bid Project																				
Construction																				
Estimated Cost: \$300,000																				

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, 2018

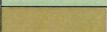
City Project	2018				2019				2020				2021				2022			
	Q1	Q2	Q3	Q4																
<b>North Airline Future Development Infrastructure Improvements Wemple Road</b>																				
<b>Estimated Cost: \$1.8 Million</b>																				
<b>Construction</b>																				
<b>Brownlee Road Right-Hand Turn Lane @ Airline</b>																				
<b>Estimated Cost: \$150,000</b>																				
<b>Design</b>																				
<b>Bid of Project</b>																				
<b>Construction</b>																				
<b>Northgate Drive Sidewalks</b>																				
<b>Estimated Cost: \$400,000</b>																				
<b>s</b>																				
<b>Viking Drive Widening</b>																				
<b>Estimated Cost \$10 Million \$80/20 split</b>																				
<b>Design</b>																				
<b>Right of Way</b>																				
<b>Bid</b>																				
<b>Construction</b>																				

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

# Public Works 2018-22 Drainage Projects

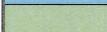
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City Project	2018				2019				2020				2021				2022			
	Q1	Q2	Q3	Q4																
<b>Bardot Street Drainage &amp; Paving</b>																				
<b>Estimated Cost: \$150,000</b>		■																		
<b>Cox Street Ditch Repairs</b>																				
<b>Estimated Cost: \$75,000</b>	■																			
<b>2016 Unplanned Drainage Repairs</b>																				
<b>Estimated Cost: \$125,000</b>	■																			

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, 2018

City Project	2018				2019				2020				2021				2022			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>City Wide Park Improvements</b>																				
<b>All Ball Field Improvements Parks: \$300,000</b>	[Red Bar]																			
<b>Swimming Pool Improvements - \$ 293,901</b>	[Red Bar]																			
<b>Concrete &amp; Fence Repair Various Parks \$100,000</b>	[Red Bar]																			
<b>Swan Lake Park</b>																				
<b>Park Improvements - \$17,000</b>	[Red Bar]																			
<b>Field of Dreams</b>																				
<b>Improvements - \$20,000</b>	[Red Bar]																			
<b>Mike Wood Park</b>																				
<b>Park Improvements \$77,500</b>	[Red Bar]																			
<b>North Bossier Park</b>																				
<b>Tennis Center Equipment \$30,000</b>	[Red Bar]																			
<b>Tinsley Park</b>																				
<b>Ball Field Improvements \$117,850</b>	[Red Bar]																			
<b>Shady Grove</b>																				
<b>Park Improvements - \$6,500</b>	[Red Bar]																			
<b>Hooter Park</b>																				
<b>Park Improvements - \$19,500</b>	[Red Bar]																			
<b>Meadowview Park</b>																				
<b>Park Improvements - \$68,960</b>	[Red Bar]																			
<b>Walbrook Park</b>																				
<b>Improvements - \$8,190</b>	[Red Bar]																			
<b>Mitchell Park</b>																				
<b>Park Improvements \$60,000</b>	[Red Bar]																			
<b>Fort Smith Park</b>																				
<b>Park Improvements \$47,100</b>	[Red Bar]																			
<b>Patricia Park</b>																				
<b>Park Improvements \$32,364</b>	[Red Bar]																			

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



**CITY OF BOSSIER CITY, LA**  
**Five (5) Year Sewer System Capital Improvement Plan (2018)**

July 1, 2017

Current Status	Project Construction Cost	\$22M 2014 Bond Issue	\$10M - LDEQ Loan - CS221103-01	2nd LDEQ \$10 M - CS-221103-02	3rd \$13M LDEQ Loan	2017 Sales Tax Bond Issue	2017 Capital Contingency \$10,422,860	2018 Capital Contingency \$8,390,200	2019 Capital Contingency \$3,890,200	2020 Capital Contingency \$2,890,200	2021 Capital Contingency \$2,790,200	2022 Capital Contingency \$2,490,200	Unfunded
<b>Completed Projects</b>													
Boardwalk FM Assessment Project (BC-21)	Completed	\$95,000.00		\$95,000.00									
Sewer Main Airline and Shed Road	Completed	\$125,000.00											
Benton Road @ Alameda (East Side) Project (BC-13)	Completed	\$83,933.67	\$83,933.67										
Benton Road @ Alameda (West Side) Project (BC-13)	Completed	\$140,395.00	\$140,395.00										
Shed Road@Rebel Sewer Main Repair (Emergency Project)(BC-14)	Completed	\$289,279.36	\$289,279.36										
Glouster Drive @ Choctaw Court Project (BC-02)	Completed	\$310,517.10	\$310,517.10										
Stonebridge Blvd. @ Waterbury Project (BC-08)	Completed	\$108,744.34	\$108,744.34										
Stonebridge Blvd. @ Waterbury Project (BC-08) Whites Wash Pit	Completed	\$2,612.50	\$2,612.50										
Swann Lake Road Force Main Project Engineering (Abandoned in place)	Completed	\$13,455.00	\$13,455.00										
Swann Lake Road Force Main Project Geotech (Abandoned in place)	Completed	\$4,630.00	\$4,630.00										
ART Sewer Line 42" Red River WWTP Line (Engineering)	Completed	\$221,733.64	\$221,733.64										
Swann Lake Road Force Main Project Construction (Abandoned in place)	Completed	\$27,457.00	\$27,457.00										
Texas Street Gravity Main (Engineering)	Ongoing	\$95,202.66	\$95,202.66										
Sewer Sub-Basin BC-02 (Engineering)	Ongoing	\$9,785.18	\$9,785.18										
Riverview PS Project	Completed	\$2,450,785.05	\$2,450,785.05										
Big Airline Emergency Pump Station Project (Wetwell Cleanout)	Completed	\$174,859.53	\$174,859.53										
ART Corrosion Control Project (BC-24)	Completed	\$307,054.50	\$307,054.50										
North Bossier PS Project	Completed	\$1,418,464.24	\$1,418,464.24										
Pluto PS Elimination (PS #15)(RR WWTP Service Area)	Completed	\$475,571.86	\$475,571.86										
NE WWTP Bank Stabilization Project	Completed	\$438,195.00	\$438,195.00										
Big Airline Emergency Gravity Main Repair	Completed	\$1,055,810.18	\$1,055,810.18										
Big Airline FM Project	Completed	\$2,492,115.54	\$2,492,115.54										
42" Gravity Line Replacement NE WWTP	Completed	\$561,590.34	\$561,590.34										
Bossier City WTP MembraneBldg. Pipe Replacement/State Certified Lab Project	Completed	\$2,563,966.60	\$2,563,966.60										
Re-Emissioning Project	Completed	\$3,500,000.00	\$3,500,000.00										
Emergency - 133 Stonebridge Gravity Main							\$300,000.00						
Emergency - Shed Road Gravity Main Repair							\$125,000.00						
Six Fountains Pump Station Project (2016 Project)	Completed	\$422,355.00		\$422,355.00									
A&P Sewer Pump Station Upgrade Project	Completed	\$347,488.75	\$347,488.75										
Sewer Basin BC-21 (Old Downtown Bossier Area)	Completed	\$1,516,078.00	\$1,516,078.00										
<b>Projects In Design</b>													
NE WWTP Rehabilitation/Upgrade	In Design	\$11,500,000.00			\$11,500,000.00								
Sewer Basin BC-19 (Northgate Area)	In Design	\$2,500,000.00		\$2,500,000.00									
Sewer Basin BC-27	In Design	\$1,200,000.00	\$1,200,000.00										
Landau Pump Station Improvements	In Design	\$250,000.00		\$250,000.00									
<b>Projects Bidding</b>													
<b>Under Way</b>													
SSES and Sub-Basin Rehabilitation Recommendations	Underway	\$2,250,000.00	\$2,250,000.00										
SSES Program Management	Underway	\$350,000.00	\$350,000.00										
<b>Under Construction</b>													
Big Airline PS Project	Under Constr.	\$4,867,000.00		\$4,867,000.00									
Sewer Basin BC-02 (Autumn Creek, Lakewood Point Area)	Under Constr.	\$1,140,380.50				\$1,140,380.50							
Sewer Basin BC-07 (La Downs, Stockwell Road Area)	Under Constr.	\$600,722.50	\$600,722.50										
Greenacres FM Project	Under Constr.	\$4,480,000.00	\$4,480,000.00										
Greenacres PS Project	Under Constr.	\$3,800,000.00	\$3,800,000.00										
E. Texas Street Gravity Main Repairs	Under Constr.	\$3,770,000.00				\$3,770,000.00							
Broadway Drive/Bardot Lane Gravity Main Repairs	Under Constr.	\$422,109.00	\$422,109.00										
<b>Planning Stages</b>													
Innovation Drive Water and Sewer	Planning	\$2,142,940.00				\$2,142,940.00							
Sewer Basin BC-10 (Project to be Phased)	Planning	\$3,100,000.00					\$1,100,000.00	\$750,000.00	\$500,000.00	\$750,000.00			
Sewer Basin BC-14 (Priority 2)	Planning	\$2,750,000.00						\$2,750,000.00					
Sewer Basin BC-22 (Big Airline Area) (Priority 3)	Planning	\$1,750,000.00							\$1,750,000.00				
Sewer Basin BC-25 (Priority 4)	Planning	\$1,000,000.00									\$1,000,000.00		
LaSands Pump Station Improvements	Planning	\$200,000.00						\$200,000.00					
Central Plaza Pump Station Improvements	Planning	\$60,000.00		\$60,000.00									
Golden Meadows Pump Station #2	Planning	\$500,000.00		\$500,000.00									
Hamilton Road Drainage PS Improvements	Planning	\$500,000.00						\$500,000.00					
Hope Street Gravity Main	Planning	\$350,000.00					\$350,000.00		\$500,000.00				
New Vanceville Pump Station (tied to Willow Lake PS and The Perfect Place PS elimination)	Planning	\$750,000.00								\$750,000.00			
Sewer Basin BC-04 (N. Bossier Area) (Priority 5)	Planning	\$3,650,000.00										\$3,650,000.00	
<b>NE WWTP CAPITAL NEEDS FOR 2017</b>													
Bottom Belt for Belt Filter Press (1)							\$4,000.00						
4" Diesel bypass pump on trailer with 100 feet of suction hose and 100 feet of discharge hose							\$35,000.00						
8" Diesel bypass pump on trailer with 100 feet of suction hose and 100 feet of discharge hose							\$68,570.00						
Gearbox reducers for Oxidation Ditches (replacements)							\$34,000.00						
Balance Scale for Lab (Replacement)							\$4,000.00						
Three (3) flowmeters and transducers for plant #1 influent and effluent (replacement)							\$14,000.00						
Fecal Coliform incubator (replacement)							\$5,000.00						
Bench Top pH Meter (spare)							\$3,800.00						
Distilled Water Deionizer							\$6,500.00						
BOD Probe (replacement)							\$8,000.00						
Rolling Platform for Access to Bar Screens							\$1,600.00						
Electric Sump Pumps for Pumping out rotor housings							\$5,000.00						
Air Compressor for Maintenance Truck							\$5,300.00						
EPS Repairs							\$12,294.00						
RAS Pump #3 Replacement								\$20,000.00					
Turbidimeter								\$2,000.00					
Rotor Bearings								\$8,000.00					
Lawn Mower Replacement								\$15,000.00					
Pump System Improvements								\$15,000.00					
General Maintenance Contingency Fund									\$80,000.00	\$80,000.00	\$80,000.00	\$80,000.00	
<b>RED RIVER WWTP CAPITAL NEEDS (2018)</b>													
Ductless A/C for Maintenance Office							\$2,500.00						
Leland Cypress Trees							\$20,000.00						
NPWSystem Rehabilitation							\$50,000.00						
WWTP Instrumentation Calibration							\$6,154.00						
8" Diesel Bypass Pump on Trailer							\$68,570.00						
Bar Screen Replacement Project							\$1,435,404.00						
Sludge Drying Beds							\$200,000.00						
Air Compressor for Maintenance Truck							\$5,300.00						
Admin Building Demolition							\$14,564.00						
Effluent Pump Station/Influent Pump Station Seal Modifications							\$14,300.00						
Electric Actuators for Sluice Gates at Headworks for Fine Screens							\$12,150.00						
Miscellaneous Tools (Air and Hand)							\$3,100.00						
Fecal Coliform incubator (replacement)							\$5,000.00						
Awning for the Maintenance Office Door							\$2,500.00						
Belts for Belt Filter Press(s)							\$4,000.00	\$450.00					
UV Bulbs							\$15,000.00	\$46,800.00	\$46,800.00				
Turbidimeter								\$2,000.00					
Benchtop Meter DO Probe								\$2,000.00					
IJV Ballasts								\$20,000.00					
Dumbster Covers for Odor Control								\$9,000.00					
Bar Screen Compactor Spare Parts								\$5,000.00					
NPW Pump Modifications								\$18,000.00					
Poly Blend System								\$10,000.00					
Environmental Affairs Division (Vehicle Replacement)								\$27,500.00					
General Maintenance Contingency Fund								\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00		
<b>Lift Station Division Capital Needs</b>													
Savannah Lift Station, pump replacement (1 pump)							\$15,000.00						
Stonebridge 2, SS control panel with opti-floats and coat the wet-well							\$12,000.00	\$50,000.00					
Stonebridge 1, SS control panel with opti-floats and coat the wet-well							\$10,000.00	\$50,000.00					
Power Washer w/Steam Unit							\$10,000.00						
Roam Street Lift Station Pump 1 Suction Replacement							\$10,500.00						
Wallier Lift Station Rehabilitation							\$17,800.00						
Open Door Lift Station Rehabilitation							\$10,000.00						
Don Lift Station Control Panel Replacement							\$300,000.00						
Century Tell, control panel replacement with opti-float							\$25,000.00						
Carriage Oaks Lift Station							\$14,000.00						
Lift Station Rout System IT Hardware and Software													



CITY OF BOSSIER CITY, LA

# Five (5) Year Drinking Water Capital Improvement Plan

July 17, 2017

Capital Projects	2017				2017 Budgeted Expenditures		2018				2018 Budgeted Expenditures		2019				2019 Budgeted Expenditures		2020				2020 Budgeted Expenditures		2021				2021 Budgeted Expenditures		2022				2022 Budgeted Expenditures	
	Q1	Q2	Q3	Q4	Capital Fund	Comments	Q1	Q2	Q3	Q4	Capital Fund	Comments	Q1	Q2	Q3	Q4	Capital Fund	Comments	Q1	Q2	Q3	Q4	Capital Fund	Comments	Q1	Q2	Q3	Q4	Capital Fund	Comments	Q1	Q2	Q3	Q4	Capital Fund	Comments
Land Acquisition & Demolition Project at WTP					\$1,700,000.00	Acquire Property/Demolition (Water Impact Fees)																														
Remove and Replace Filter Media in Four Filters at WTP					\$573,500.00	Design/Bidding/Construction											\$595,000.00																			
Replace Two MCC's at North River PS					\$300,000.00																															
Miscellaneous WTP Capital Improvements					\$213,400.47	Clarifier 2, NRP 2, Risk Management, Ozone, etc.																														
Hall Street Water Main Improvements													\$50,000.00																							
Airline Water Storage Tank Bypass Repair													\$50,000.00																							
71 S Water Storage Tank Altitude & Bypass Repair																	\$50,000.00																			
Benton Road Valves													\$100,000.00																							
HR14 - A, B and E (42" Water Line Over Levee At WTP)					\$2,650,000.00	Design, Bidding, Construction																														
HR14-C (42" Water Line from Shed Road to Airline)					\$3,700,000.00	Design, Permitting, Bidding							\$1,000,000.00																							
Cox Street Water Line					\$32,726.25	Project is complete																														
Eatman Street Water Line					\$214,053.00																															
Emergency Water Repairs					\$155,913.00	Meadowview Elem., Shed Rd. Crossing, Meters																														
Walter O Bigby Carriageway Water Line Relocation					\$2,763,543.00	Paid from 2015 LCDA Bond																														
High Service Pump #10 Repairs													\$52,750.00																							
North River PS, SCADA, Camera and Antenna with Tower													\$60,867.50																							
<b>Capital Expenditures (O&amp;M)</b>																																				
Replace Security Fence at Airline Tower Site					\$152,320.00	Procure and Install New Media							\$170,000.00				\$170,000.00		\$170,000.00				\$170,000.00						\$170,000.00					\$170,000.00		
WTP River Pump Station SCADA													\$2,720.00																							
Computer & WIMS (Serves all 5 Divisions)					\$70,000.00	System will be rolled out in 2017							\$5,000.00																							
Destruct Unit Catalysts for Ozone System					\$10,000.00	Procure and install needed replacements																														
Ozone High Concentration Monitor					\$8,000.00	Procure and Install																														
Ozone Twin Nitrogen Pump					\$15,000.00	Procure and Install																														
Spare Parts Inventory					\$40,000.00	Procure and Store Spare Parts							\$40,000.00				\$40,000.00		\$40,000.00				\$40,000.00						\$40,000.00					\$40,000.00		
Water Sampling Station Maintenance					\$5,500.00	Annual Water Sample Station Maintenance							\$30,000.00				\$5,000.00		\$5,000.00				\$5,000.00						\$5,000.00					\$5,000.00		
Fire Hydrant Repair and Replacement					\$575,000.00																															
New Radio Tower at WTP					\$227,355.17																															
Valve Management Program					\$319,000.00	Annual							\$319,000.00				\$319,000.00		\$319,000.00				\$319,000.00						\$319,000.00					\$319,000.00		
Fire Hydrant Preventive Maintenance Program					\$157,500.00	Annual							\$157,500.00				\$157,500.00		\$157,500.00				\$157,500.00						\$157,500.00					\$157,500.00		
WTP System Servicing/Ozone & LOX Systems													\$53,000.00																							
Battery Replacement and Servicing of UPS													\$31,130.00																							
Plant Painting and Cosmetic Improvements													\$10,000.00																							
WTP Chemical System Certification & Servicing													\$25,766.68																							
Risk Management Plan Yearly Maintenance Fee													\$4,200.00																							
Inspecting & Cleaning Three Clear Wells													\$14,000.00																							
Lawn Maintenance Equipment													\$16,000.00																							
Kubota 500 ATV (2)													\$17,400.00																							
Maintenance Repair Tools													\$3,375.00																							
Awning for CL2 Off-Loading & Receiving Area													\$20,000.00																							
Super P Clarifier Tank Cleaning													\$30,000.00																							
Two PZT Security Cameras													\$6,000.00																							
Replace Bleach Pump Support Stand													\$5,000.00																							
Roof, Handrail and Grating Repairs at North River PS													\$15,000.00																							
Replace Double Entry Gates (71S Tower Station)													\$3,000.00																							
Two Rosemount Flowmeters for Membrane Racks													\$5,100.00																							
Water Analyzer Replacement													\$1,200.00																							
Benchtop Multimeter													\$1,800.00																							
PM on Ozone System													\$3,000.00																							
PM on Chlorine Scrubber													\$8,500.00																							
Portable Ammonia Gas Leak Detector													\$808.20																							
Maintenance Tools													\$10,000.00																							
Ice Machine													\$8,000.00																							
Portable Chlorine Gas Leak Detector													\$658.35																							
Chlorine Cleanse					\$32,000.00	Every Two Years											\$32,000.00						\$32,000.00						\$32,000.00					\$32,000.00		
Water Tower Inspection, Cleaning & Maintenance					\$12,100.00	Every Two Years											\$15,000.00						\$15,000.00						\$15,000.00					\$15,000.00		
Customer Service - Automatic Bill Pay System													\$52,000.00																							
<b>Annual Totals</b>					Planned Expenditures	\$11,163,367.89					Planned Expenditures	\$2,382,775.73		2019 Total Planned Expenditures	\$1,383,500.00		2020 Total Planned Expenditures	\$691,500.00		Planned Expenditures	\$738,500.00		Planned Expenditures	\$691,500.00						Planned Expenditures	\$691,500.00					
					Balance in 2017 Fund	\$99,839.11					Balance in 2018 Fund	\$213,824.27		Balance in 2019 Fund	\$1,013,100.00		Balance in 2020 Fund																			