

**Capital Projects
and
Proposed Infrastructure
Improvement Programs**



**City of Shreveport
Department of Operational Services
H. M. Strong, Director**

December 2008

**CITY OF SHREVEPORT
DEPARTMENT OF OPERATIONAL SERVICES
WATER & SEWERAGE BOND ISSUE**

\$626,805,125

FACILITIES

<u>Project Name</u>	<u>Estimated Cost</u>
Lift Station Maintenance Building New building for lift station personnel and equipment	\$960,000
Lucas Wastewater Treatment Plant Effluent Line Repair Repair of 60 inch effluent line	\$250,000
North Regional Wastewater Treatment Plant Outfall Line New discharge line and outfall structure	\$2,500,000
Water System Master Plan Capital improvements plan for water treatment and water distribution	\$1,200,000
Wastewater System Master Plan Capital improvements plan for wastewater treatment and sewer collection	\$1,500,000
Supervisory Control and Data Acquisition (SCADA) Upgrade Upgrade to SCADA systems for water and wastewater	\$1,000,000
Amiss Water Treatment Plant - Plant 2E Rehabilitation Repair and rehabilitation of Plant 2E including structural, equipment, and coatings	\$10,000,000
Amiss Water Treatment Plant - New High Service Pumps New high service pumps for additional pumping capacity	\$2,800,000
Amiss Water Treatment Plant - Improvements to Lime and Caustic Feed Systems New chemical feed equipment and building modifications	\$9,500,000

Amiss Water Treatment Plant - Raw Water Piping Modifications	\$3,600,000
Modifications to the raw water piping for a redundant feed system	
Amiss Water Treatment Plant - Ozone Monitoring and Sampling	\$1,500,000
New system to monitor ozone system	
System-Wide Tank Cleaning, Repair and Repainting	\$780,000
Clean, repair and paint existing water distribution system storage tanks	
Miscellaneous Improvements at the Lucas Wastewater Treatment Plant	\$2,200,000
Improvements to repair digester pump station building, odor control, UV building	
Membrane Pilot Study for New Water Plant	\$1,200,000
Pilot study to determine appropriate equipment and cost for new water treatment plant on the Red River	
North Regional Wastewater Treatment Plant Sludge System Improvements	\$3,600,000
Additional sludge dewatering equipment	
Lucas Wastewater Treatment Plant Flow Equalization Basin Improvements	\$2,100,000
Repair to existing flow equalization basins	
North Regional Wastewater Treatment Plant Flow Equalization Basin Repairs	\$4,300,000
Repair to existing flow equalization basins	
Emergency Generators for Lucas and North Regional Wastewater Treatment Plants	\$3,000,000
New auxillary power units	
Amiss Water Treatment Plant - Modifications to Plant 1 Post Ozone Basin	\$1,000,000
Modifications to the basin to increase capacity of the plant	
New Facilities for Field Operations at Greenwood Road	\$10,000,000
New building/offices	

68th and Union Pump Station Modifications	\$1,500,000
New pumps, piping and valves	
70th and Pines Pumping Station Modifications	\$5,800,000
New pumps, piping and valves	
Amiss Water Treatment Plant - Ozone System Upgrade	\$16,500,000
New ozone equipment, piping and controls	
Amiss Water Treatment Plant - Filter Modifications	\$900,000
Upgrade filters	
Biosolids Facility Modifications	\$4,000,000
Upgrade and repairs to biosolids facility including new dewatering equipment and dry product storage area	
Amiss Water Treatment Plant Filter Cleaning	\$800,000
Clean existing filter media	
Twelve Mile Bayou Pump Station - Pumping Improvements	\$7,300,000
Replace pumps and electrical	
Twelve Mile Bayou Pump Station - Pipeline to Cross Lake	\$9,500,000
New pipeline to Cross Lake	
Inner Loop Pump Station and Storage Facility - Phase II	\$5,000,000
New 5 MG storage tank	
Improvements to Cross Lake Dam	\$3,000,000
Modifications to dam to add fill and relocate railroad	
New 30 MGD Water Treatment Plant - Phase I	\$160,000,000
New water plant to treat Red River water located near the Port	
New 30 MGD Water Treatment Plant - Phase II	\$160,000,000
New water plant to treat Red River water located north of the City	
Total	\$437,290,000

**CITY OF SHREVEPORT
DEPARTMENT OF OPERATIONAL SERVICES
WATER & SEWERAGE BOND ISSUE**

LIFT STATIONS

<u>Project Name</u>	<u>Estimated Cost</u>
AMI Lift Station Increase capacity, new electrical and controls	\$500,000
Gorton Road Lift Station Replace pumps, valves and control panel	\$125,000
Pinecrest Lift Station Replace suction lines & valves, check valves & discharge valves, install motor & pump unit complete	\$500,000
Huntington Lift Station Replace all controls, valves, gates, pumps piping, by-pass and service disconnect; install SCADA	\$450,000
West Shreveport Lift Station Replace pumps, valves, piping, electrical and controls	\$430,000
Jefferson Paige Lift Station Replace pumps, valves, and instruments. Seal wetwell	\$75,000
Willow Point I Lift Station Replace pumps, electrical, controls	\$125,000
Looney Lift Station Replace "can" Lift Station with new package Lift Station and wet well.	\$600,000
David Raines Lift Station Replace pumps, piping and controls and line wet well.	\$550,000

Delaware Lift Station	\$550,000
Replace pumps, station piping, and flowmeter; alternatively install new package Lift Station and larger wet well.	
Tou-Don Lift Station	\$150,000
Replace pumps, valves, controls, and SCADA, install by-pass	
Ashley Ridge	\$150,000
Install additional capacity	
Country Club Lift Station	\$225,000
Sitework, paint drywell, replace pumps and valves, install air release and bypass connection	
Land-O-Trees Lift Station	\$125,000
Replace pumps, valves, controls, and SCADA, install by-pass	
Long Timber Lift Station	\$125,000
Replace valves, pumps, controls and SCADA and install by-pass	
Mackey Lane Lift Station	\$150,000
Replace electrical, controls, SCADA. New roof.	
Tammer Lane Lift Station	\$125,000
Replace pumps, valves, controls, and SCADA, install by-pass	
Lucas Lift Station	\$5,000,000
Replace pumps, piping, valves, electrical and controls.	
Querbes Lift Station	\$4,000,000
New pumps, piping, valves, electrical and controls	
Pine Hill Road Lift Station	\$500,000
Replace/upgrade electrical equipment, misc. repairs to Lift Station climate control and structure, and wet well rehabilitation.	
Havana Lift Station	\$360,000
Replace controls, valves, piping and service disconnects; install SCADA	
Stratmore Lift Station	\$500,000
Replace pumps and station piping.	

Sunset Lift Station	\$360,000
Replace/upgrade electrical equipment and misc. repairs to Lift Station structure.	
Country Club Hills Lift Station	\$150,000
Replace pumps, valves, controls, and SCADA, install by-pass	
Risinger Lift Station	\$50,000
Drainage work and new control panel	
Willow Point II Lift Station	\$500,000
Replace pumps and station piping.	
North Pierre Lift Station	\$360,000
Modify MCC room & install climate control & HVAC	
Wonderland Lift Station	\$125,000
Replace pumps, valves, control panel, seal wet well and remove tree roots	
Linear Lift Station	\$550,000
Replace/upgrade electrical equipment, misc. repairs to Lift Station climate control and structure, and wet well rehabilitation.	
Rockwell Lift Station	\$125,000
Replace pumps, valves and control panel.	
Mirador Lift Station	\$500,000
Misc. repairs to Lift Station climate control and structure. Install new controls and SCADA	
Yacht Club Lift Station	\$125,000
Replace pumps, valves, control panel.	
New Control and Communication Panels - Citywide	\$2,000,000
Replace or upgrade control panels and SCADA communication panels	
Miscellaneous Lift Station Repairs	\$8,000,000
Upgrade lift stations system-wide	
Total	\$28,160,000

**CITY OF SHREVEPORT
DEPARTMENT OF OPERATIONAL SERVICES
WATER & SEWERAGE BOND ISSUE**

WATER MAINS

<u>Project Name</u>	<u>Estimated Cost</u>
Tulane Water Main 3,300 LF of 8: water main to replace undersized water main	\$330,000
Maywood Water Main 3600 LF of 8" water main replacement	\$360,000
Thornhill, 62nd-65th Water Main 1,300 LF of 6" water main replacement	\$117,000
McKinley from Kansas City Ave to Thomas St and Thomas St from Grimmet to North Market 2100 LF 8" water main replacement of 2"	\$360,000
Clay from Western to Allen and Western from Clay south to mid block 850 LF 8" water main replacement of 2" and additional undersized lines adjacent to project	\$500,000
Alston from Webster to Dale 1000 LF 8" water main replacement of 2" and additional undersized lines adjacent to project	\$600,000
Garden from Holzeman to Norma 1400 LF 8" water main replacement of 2" and additional undersized lines adjacent to project	\$600,000
Texas Street Bridge at Lakeshore Drive 24" water main attached to bridge structure	\$175,000

<p>Doris St, State St, and Lash St from St.Vincent to Linwood Water Improvements</p> <p>3400 LF 8" water main replacement and adjacent undersized mains</p>	\$850,000
<p>Boulevard from Thornhill to Dillingham & from Creswell to Highland water main upgrade</p> <p>Replace 2.5" water main</p>	\$360,000
<p>Rendal and Leander Streets from Southern to Barret water main upgrade</p> <p>Replace 2" water main</p>	\$360,000
<p>Blanchard Place from Fairfield to Barret water main upgrade</p> <p>Replace 2" water main</p>	\$320,000
<p>Stephenson and Jefferson Streets from Fairfield to Line water main upgrade</p> <p>Replace 2" water main</p>	\$400,000
<p>Centenary from Washington to Columbia water main upgrade</p> <p>Replace 2" water main</p>	\$150,000
<p>Atkins from Alexander to Centenary water main upgrade</p> <p>Replace 2" water main</p>	\$175,000
<p>Rutherford from Woodlawn to Holly water main upgrade</p> <p>Replace 2" water main</p>	\$275,000
<p>East Merrick and East College from Holly to Youree, and other adjacent undersized water lines in QS X-57 - Water Main upgrades</p> <p>Replace 2.5" water main</p>	\$600,000
<p>Christian St from View St to Milam St Water Improvements</p> <p>2000 LF 10" water main replacement and about 2000 LF replacing adjacent undersized lines</p>	\$600,000

Multiple Streets in QS DD-55 including Bates, Daniel, Bethany, Myra, Liberty, Beckett, and Dillingham Water Improvements 3150 LF 8" water main replacement	\$840,000
Grover from Patton to Preston and Preston from Youree to Anniston Water Improvements 1900 LF 8" water main replacement	\$480,000
Kayla from Youree To Anniston Water Improvements 3250 LF 8" water main replacement	\$600,000
Russell from Grover to Anniston Water Improvements 1000 LF 8" water main replacement	\$250,000
Carrollton from Akard to Steere, Steere from Leo to Pennsylvania, and Southfield and Steere Water Improvements 2100 LF 8" water main replacement	\$600,000
900 Ascalon; 600 E71 - 735 E71 ; 7600 - 7800 Gideon; 7600 Altus Water Main Improvements Replace 2.5" water main	\$885,000
Renture St at Liberty Water Improvements 1400 LF 8" water main replacement	\$315,000
Janie Lane from Glen Erica to Spring Lake Water Improvements 1750 LF 10" water main replacement	\$540,000
Woodmont from Wyngate to Westbrook Water Improvements 1600 LF 8" water main replacement	\$275,000
North Southland Park Drive Water Main Improvements Replace 2350 LF 8" water main and 950 LF 3" water main	\$600,000

Industrial Loop from Mansfield to Blom Water Improvements 4500 LF 12" water main replacement	\$900,000
Silver Pines and Frostwood from Lotus to Jonathan and Price from Frostwood to Jonathan Water Improvements 4750 LF 8" water main replacement	\$720,000
Francis from Kingston to Midvale Approx.1500 LF 8" water main replacement	\$225,000
2400-2600 Lindholm water and sewer 2500 LF 8" water main replacement and 1000 LF 8" & 15" sewer main replacement	\$270,000
Devaughn from Mansfield west to EOL 1600 LF 8" water main replacement	\$280,000
Devaughn from Rightway Rd to Hudson 3115 LF 8" water main replacement	\$500,000
Drexel from Virginia west to Rightway Rd (Railroad) 500 LF 8" water main replacement	\$200,000
Hollywood Ave at northwest corner of Shreveport Regional Airport 3200 LF 12" water main improvements	\$500,000
Corbitt from Wallace to Hudson 6500 LF 8" water main replacement	\$720,000
West 78th from St.Vincent to Dillman Water Improvements 700 LF 8" water main replacement	\$175,000
Lillian, West College, Catherine, and Frederick from Jewella to Hearne 25,000 LF 8" water main replacement	\$3,600,000

Merrill from Hardy north to EOL 350 LF 8" water main replacement	\$100,000
3500 Block Woodrow 600 LF 8" water main replacement	\$115,000
Buncombe Rd sections from Flourney-Lucas to Bert Kouns Industrial Loop to Woolworth Rd 1300 LF 16" and 1300 LF 12" water main	\$550,000
4100-4200 Block Barbara from Greenwood to Lyba 2500 LF 8" water main replacement	\$380,000
2800-2900 Block Mertis 2000 LF 8" water main replacement	\$250,000
2900-3100 Block Chestnut 2000 LF 8" water main replacement	\$250,000
Wells Island Rd Water Main Extension 1600 LF 10" water main along Wells Island Rd West of Mayfair Dr	\$200,000
Aero Drive Water Main Extension 3000 LF 12" water main	\$720,000
Audrey, Falcon Loop, Towers, Aline, and Thatcher Streets Water Main Improvements 5000 - 7000 LF of 8" water main Audrey from MLK to Doll, Falcon Loop from Hawkins to Towers, Towers from Montana to Hawkins, Aline from Sampson to Northside, Thatcher from Airport to EOL	\$1,200,000
Southern Ave from Jordan to St.Vincent Water Improvements 7000 LF 16" water main replacement	\$1,200,000
Baker from EOL at I-20 to Snow and Snow from Baker to Common 1500 LF 8" water main replacement	\$250,000

Wells St Water Main Extension 2250 LF 8" water main replacement and extension	\$250,000
Glen Oak from Dowdell to William water main upgrade Replace 2" water main	\$250,000
QS AA-52 & BB-52 Water Main Improvements (Adjacent to the 3-phased Corbitt Area Sewer & Water Improvements) Approx. 12000 LF water main upsize in QS AA-52 & BB-52 (Streets including Michel, Caroline, Alma, Belmont, Joplin, Ridgemoor, Doris, Earl, State)	\$1,850,000
Richmond from Ockley to Erie Water Improvements 3600 LF 12" water main replacement and adjacent undersized mains	\$1,000,000
Marshall from Franklin to Stoner 4200 LF 12" water main improvements	\$650,000
Atlantic from Norway to Youree and Akard from Atlantic to Albert Water Improvements 4100 LF 8" water main replacement	\$1,000,000
Glen Iris from Erie to Ontario Water Improvements 900 LF 8" water main replacement	\$190,000
Mayo Rd from Linwood to Wallace Lake 7750 LF 12" water main	\$1,000,000
Ellerbe Rd from Railsback to Nottingham 11100 LF 16" water main	\$1,750,000
West Canal from Hollywood to 70th 5700 LF 12" water main replacement	\$1,500,000
Hudson from Midway to Clark 3600 LF 8" water main replacement	\$500,000

Greenwood Rd from Broadacres to Bert Kouns Industrial Loop 6200 LF 16" water main	\$1,000,000
Shreveport Blanchard Hwy Water Main Improvements (from Hearne to MLK) 22000 LF 20" water main; coordinate/evaluate impacts with LA DOTD street widening project	\$3,500,000
St. Vincent Ave. 2,800 LF of 8", 3,000 LF of 12" water main replacement	\$500,000
Pennsylvania (Fern to Youree) 4,100 LF of 8" water main replacement	\$307,500
Carrolton (Youree to East Kings) 4,800 LF of 8" water main replacement	\$360,000
Greenway and Broadmoor 7,000 LF of 8" water main replacement	\$525,000
Jefferson Paige Water Main 5600 LF of 12" water main replacement	\$672,000
Greenwood Road and I-220 Water Main 4200 LF of 24" water main replacement	\$840,000
Greenwood Road Water Main 2,000 LF of 8" and 8,000 LF 12" of water main replacement	\$1,200,000
Forbing Woods Subdivision Water Main 4,600 LF of 8" water main replacement	\$460,000
Inner Loop & Flournoy-Lucas Rd. Transmission Water Main (Bert Kouns to Youree Drive) 12,000 LF of 30" water main	\$3,600,000
Woodrow St. Water Main (Wallace to Linwood) 1,250 LF of 8" water main replacement	\$125,000

Damaka, Bringham, Melrose & 80th Street Water Main	\$700,000
7,000 LF of 8" water main replacement	
West Pressure Zone Altitude Valve	\$30,000
Replace existing altitude valve	
Leaside, Warwick and Royalton	\$430,000
4,300 LF of 8" water main replacement	
Financial Plaza Loop	\$120,000
1,000 LF of New 12" water main to loop system	
Dixie and Frances	\$270,000
2,700 LF of 8" water main replacement	
Dinkins and GM	\$2,250,000
15,000 LF of 16" water main replacement	
Simms Island Finn & Agurs	\$450,000
Replace 4500 LF of 2" water main to 8" water main	
Weinstock Monclure Off Peabody	\$300,000
Replace 3000 LF of 2" water main to 8" water main	
Bouisseau White & Myrtle	\$450,000
Replace 4500 LF of 2" water main to 8" water main	
1800/2100 Logan Garland & Pollard	\$650,000
Replace 6500 LF of 2" water main to 8" water main	
Christopher Clay Chester Sheppard	\$650,000
Replace 6500 LF of 2" water main to 8" water main	
Alston, St. Paul, St. John, Grover, and Marabella Area	\$1,200,000
Replace 12,000 LF of 2" water main to 8" water main	
600 700 Block Edwards (Down Town)	\$200,000
Replace 2000 LF of 2" water main to 8" water main	

N. Western, Clay, Alston, and Fuller Area **\$1,000,000**

Replace 10,000 LF of 2" water main to 8" water main

**Renewal and size upgrade for district wide undersized
and aging water mains** **\$24,000,000**

Replace undersized diameter water mains and replace any other deteriorated water mains. Estimate water mains will need upgrade or replaced using directional bore or open cut methods.

Total

\$81,551,500

**CITY OF SHREVEPORT
DEPARTMENT OF OPERATIONAL SERVICES
WATER & SEWERAGE BOND ISSUE**

SEWER MAINS

<u>Project Name</u>	<u>Estimated Cost</u>
Southern Hills Interceptor 5800 LF 30" sewer main; two emergency projects complete and remainder put on hold for additional evaluation	\$5,000,000
300 Block College Street 1,250 LF of 8" sewer main replacement	\$93,750
700 Block Robinson/Wilkinson 730 LF of 8" sewer main replacement	\$54,750
2600 Block Dillard 1,100 LF of 8" sewer main replacement	\$82,500
1400 & 1500 Oakdale 1,300 LF of 8" sewer main replacement	\$97,500
Richmond and Avery 450 LF of 10" sewer main replacement	\$45,000
Cedar Grove Trunk Main Repair 10,000 Lf of 24", 36" and 42" sewer main repair/replacement	\$2,000,000
East West Ave. 3,000 LF of 8" sewer main replacement	\$300,000
North Highlands Area (N. Market) 6500 LF of 21" Sewer Gravity Line	\$975,000

Downtown Area Sewer Gravity System 15000 LF of 16' 18" 24" sewer main replacement	\$2,625,000
2900 Block Hattie Street Sewer Improvements 920 LF 8" sewer improvements	\$215,000
3200 Block Marjorie Street Sewer Improvements 880 LF 8" sewer improvements	\$150,000
3200 Block Sidney Street Sewer Improvements 730 LF 8" sewer improvements	\$150,000
Corbitt Area Sewer and Water Improvements, Phase 2 20,650 LF of sewer and 5900 LF of water over three phases	\$2,000,000
Corbitt Area Sewer and Water Improvements, Phase 3 20,650 LF of sewer and 5900 LF of water over three phases	\$1,700,000
Unadilla and Trabue from Line to Fairfield Sewer Improvements 2400 LF 8" sewer main replacement	\$650,000
Line, Dalzell, College, & Dillingham Streets Sewer Improvements Approx 5400 LF 8" & 10" sewer main replacement	\$900,000
Wilkinson to Stephenson, west of and along Creswell and between Robinson and Wilkinson east to Creswell 4500 LF 12" sewer main improvements	\$720,000
1300 Block Summers St Sewer Improvements 450 LF 10" sewer main replacement	\$180,000
College from Coty to Centenary Sewer Improvements 680 LF 8" sewer main replacement	\$180,000

Gladstone (southern rear) from Creswell to Highland Sewer Improvements 600 LF 8" sewer main replacement	\$180,000
East Robinson from Centenary to Cornwell (alley north Robinson) 2000 LF 8" sewer main replacement	\$550,000
Baltimore, Richmond CIPP 4075 LF 8" & 10" CIPP Lining	\$375,000
Alleys North and South of Johnette Street Sewer Improvements 2000 LF 8" sewer main replacement	\$550,000
Alley South of Atlantic Avenue from Grover to Anniston Sewer Improvements 1575 LF 8" sewer CIPP Lining and manhole rehabilitation	\$375,000
Alleys North and South of Greenway Place (3700 & 3800 Blocks) Sewer Improvements 9000 LF 8" sewer main replacement	\$2,700,000
Alley South of the 300 Block of Wilder Place Sewer Improvements 1000 LF 15" sewer main replacement	\$425,000
Alley South of Patton Avenue from Grover to Kings Hwy Sewer Improvements 4000 LF 8" sewer main replacement	\$750,000
Drexel and Thornhill West of Line Ave Sewer Main Replacement & Improvements 2150 LF 10", 15", and 24" sewer main replacement	\$500,000
6700 Block Gilbert Sewer Improvements 525 LF 8" and 315 LF 12" sewer main	\$250,000
Sherwood and Lexington Sewer 8" sewer, scope to be refined	\$200,000

Northwest of Fairfield and Pierremont intersection sewer main replacement 8" sewer, scope to be refined	\$200,000
Fairfield from 64th to 70th 2100 LF 10" sewer main replacement	\$315,000
Knight Street Lift Station - Odor Control & Force Main Replacement Odor control & 2000 LF 6" force main replacement	\$600,000
Kingstowne Sewer Improvements Reroute/rehab 15" sewer or install Lift Station to prevent overflow	\$600,000
Wallace Force Main at Overton Brooks Rd Rehabilitate/Replace part of Wallace Force Main	\$1,450,000
MH 18 QS EE-56 Odor Control Odor control at MH 18 and 2 manholes downstream - biofilter inserts	\$5,000
Alley N of Woodford (between Drexel and Woodford from Hearne to Mansfield) 3100 LF 8" sewer main replacement	\$250,000
Lindholm & Woodford from Mansfield to Hearne 3000 LF 8" sewer main replacement	\$700,000
Devaughn to Virginia to Drexel 2500 LF 8" sewer main replacement	\$600,000
Between Midway and Devaughn from Hudson to Fairy 1400 LF 8" sewer main replacement	\$300,000
66th Street from Clift to Wallace 600 LF 8" sewer main replacement	\$150,000
Clift Ave and 72nd St 1100 LF 8" sewer main replacement	\$200,000

Corbitt from Velva to West of Fairy 850 LF 8" sewer main replacement	\$150,000
Canal at Grassmere 1750 LF 8" sewer main replacement, also adjacent sewer Parkridge and Sunnybrook to Quilen	\$550,000
Clark from Jewella to Alto Vista 2500 LF 12" sewer main replacement	\$400,000
Hasset (western alley) from Sunset to Michigan 2000 LF 8" sewer main replacement	\$360,000
4100 Block San Jacinto 500 LF 8" sewer main replacement	\$125,000
Wildwood and Homeacres Subdivision Review sewer service in area and refine scope of project	\$250,000
Noxubee Drive Sewer and Water Extensions 800 LF 8" water and sewer main installation	\$175,000
Off of North Market and Poleman Rd. - Sewer Line Rehab and/or Replacement (NW of North Market and MLK) Clean, TV, Repair 21" gravity sewer approximately 3200 LF and repair to manholes	\$1,000,000
East West Ave Sewer Main Improvements Replace/Rehab 10" and 8' sewer mains	\$600,000
3000 Block Southern Ave Sewer Improvements 1250 LF 8" sewer main replacement	\$200,000
Prospect (rear) from Gilbert to Morehead Sewer Improvements 800 LF 8" sewer main replacement	\$150,000
Jordan (southern rear) from Coty to Centenary 510 LF 8" sewer main replacement	\$140,000

2600 Block of Emery Sewer Repair	\$125,000
930 LF 8" sewer main improvements (need TV to determine CIPP possibility)	
300 Block Pennsylvania Avenue and Alley East of Clingman Drive Sewer Improvements	\$190,000
600 LF 10" and 8" sewer main replacement	
300 & 400 Blocks of Ockley Drive Sewer Improvements	\$1,400,000
4400 LF 8" sewer installation	
Pixley and Snowden Streets	\$400,000
2500 LF 12" sewer main replacement	
5300 Block Virginia Sewer Improvements	\$175,000
1000 LF 8" sewer main replacement	
3950 West 70th Street water and sewer	\$150,000
Extension of water and sewer, scope to be refined	
Wallace Interceptor	\$5,000,000
CIPP Lining of 12,000 LF of 36", 4,000 LF of 48" and 7,000 of 54" sewer main	
Blanchard Rd/Havana St, MLK Drive Widening Project	\$2,700,000
Upgrade undersized sewer and water mains, eliminate a pump station in conjunction with MLK widening by LA DOTD; project on hold	
800 & 900 Blocks of Unadilla Street Sewer Main Improvement	\$95,625
1275 LF of 8" sewer main replacement	
1300 Block Summer Street Sewer Main Improvement	\$40,500
450 LF of 10" sewer main replacement	
Querbes Area Phase I	\$1,000,000
2,000 LF of 6", 3,260 LF of 8", 2,500 LF of 10", 370 LF of 12", 1,850 LF of 15" sewer main replacement	

Querbes Area Phase II	\$1,500,000
2,070 LF of 6", 6,230 LF of 8", 4,800 LF of 10", 1,200 LF of 12" sewer main replacement	
Captain Shreve Drive	\$400,000
720 LF of 8", 330 LF of 10", 2320 LF of 12" sewer main replacement	
Tou-Don Sewer Main Repair	\$150,000
200 LF of 10" and 1400 LF of 12" sewer main replacement and	
Yarbrough from Autumn to Parkwood, down Parkwood to Dianne and up Autumn	\$322,500
4300 LF of 8" sewer main replacement	
Municipal Pier from Yacht Club to Lakeshore	\$192,000
2400 LF of 4" force main replacement	
Lakeshore from Willow Point 1 Lift Station to Briarcliff	\$225,000
2,500 LF of 6" force main replacement	
Bickham Force Main (Flores to I-20)	\$660,000
3,300 LF of 24" force main replacement	
Jackson St. from Mertis to Boss	\$100,000
850 LF of 8" and 500 LF 10" sewer main replacement	
Stonewall from Virginia to Carrie	\$135,000
1800 LF of 8" sewer main replacement	
Darien Area Sewer Main	\$650,000
3400 LF of 8", 900 LF of 12", 600 LF of 15" and 600 LF of 18 " sewer main replacement	
Sunset Force Main Replacement	\$112,000
Replace 1400 LF of 4" force main	
Harvard Area Sewer Main Replacement	\$375,000
Replace 5000 LF of 8" sewer main	

Line & Dillingham Sewer Main (70th to Sherwood & Line to Drexell)	\$300,000
1,800 LF of 10" & 2,000 LF of 8" sewer main replacement	
Alley S. of 80th St. from Linwood to St. Vincent Ave. & Dowdell St. South to Dead-end Sewer Main	\$120,000
1,600 LF of 8" sewer main replacement	
Rainbow Ave., Line to Harris Sewer Main	\$228,000
2,400 LF of 12" sewer main replacement	
Broadmoor Sewer Outfall 48" Sewer Main Rehabilitation	\$2,475,000
4,500 LF of 48" sewer main replacement	
Stratmore @ E. Kings Hwy. Sewer Main	\$52,000
65 LF of 12" sewer main replacement	
North Cedar Grove Area Sewer Main	\$900,000
12,000 Lf of 8" sewer main replacement	
Huntington Area, Huntington Ln., Windsor, Burlingame Blvd. Sewer Main	\$337,500
4,500 LF 8" sewer main replacement	
Pines Road	\$450,000
1,800 LF of 36" sewer main replacement	
Marshall & McNeil (Down Town)	\$400,000
4,000 LF of 10" sewer main replacement	
Rehabilitation and renewal for district wide deteriorated and aging sewer mains and manholes	\$24,000,000
Estimate sewer mains for rehab or replacement using CIPP, directional bore, pipe-bursting, or open cut methods, and concurrently rehab/replace manholes	
Total	\$79,803,625

SUMMARY

Facilities	\$437,290,000
Lift Stations	\$28,160,000
Water Mains	\$81,551,500
Sewer Mains	\$79,803,625
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Total	\$626,805,125

**CITY OF SHREVEPORT
DEPARTMENT OF OPERATIONAL SERVICES
TRANSPORTATION PROGRAM**

\$625,380,000

<u>ROADWAY IMPROVEMENTS:</u>	<u>COST</u>
Ellerbe Road Widening (3 Lanes), Including intersection @ Norris Ferry Road Norris Ferry to Flournoy-Lucas	\$ 8,400,000
Linwood Avenue Widening (4 Lanes) Industrial Loop to Southern Loop	12,000,000
Kings Highway Corridor Improvements Youree to I-49 (widen & off-street parking)	9,000,000
Flournoy-Lucas Road Widening (3 Lanes) Kingston to Linwood	5,500,000
Pines Road Widening (3 Lanes) 70 th to Bert Kouns	7,800,000
E. Southfield Extension to East 70th New Roadway	3,900,000
Buncombe Road Widening (3 Lanes) West 70 th to Bert Kouns	2,800,000
Extension of LA 526 (Ind. Loop) Jefferson Paige to Greenwood Road	8,800,000
Wallace Lake Road Widening (5 Lanes) Bert Kouns to Southern Loop	16,000,000
Southern Loop Extension Linwood to LA 526 (Four-Lane w/Median)	40,000,000
Kingston Road Extension (3 Lanes) Williamson Way to Southern Loop	4,000,000
LA 3132; Flournoy-Lucas to Highway 1 (Four-Lane w/Median)	38,000,000

Williamson Way Extension Kingston to Linwood (asphalt with shoulders)	1,800,000
Roy Road Widening (4 Lanes) Shreveport-Blanchard to Old Mooringsport	11,500,000
Fant Parkway Extension Mayfair to Ravendale (Four-Lane w/Median)	25,000,000
South Lakeshore (3 Lanes) Lakeshore Drive to Lakeshore Drive	5,000,000
Curtis Lane (3 Lanes) Greenwood to Lakeshore	3,200,000
Red River Crossing @ 70th Street (New Bridge) (Est. \$25,000,000)	35,000,000
Knight Street Preston to Frontage Road	4,500,000
Joe Lewis Reconstruction MLK to Jameson	1,100,000
Jackie Robinson MLK to Kelsey	600,000
Miriam Street Wardlow to Jessica	250,000
Sarah Lane Hoyte to Mackey	780,000
Scenic Drive Paving (3800-4000 blocks) Asphalt paving with curb & gutter	720,000
4600/4700 Block Gilbert Avenue Reconstruction	1,200,000
1700 Block Oakdale Reconstruction	650,000
Albermarle Drive Line to Spring Lake Drive	1,600,000

Leslie Street Portland to Dead End	800,000
700 Block Woodmont Roadway Reconstruction	900,000
Kingston Road Crabapple Drive to Williamson Way	3,400,000
Turtle Creek Turn Lane	150,000
78th Street Fairfield Avenue to Line Avenue	1,200,000
77th Street Fairfield Avenue to Line Avenue	1,200,000
76th Street Fairfield Avenue to Line Avenue	1,200,000
74th Street Fairfield Avenue to Line Avenue	1,200,000
73rd Street Fairfield Avenue to Line Avenue	1,200,000
72nd Street Fairfield Avenue to Line Avenue	1,200,000
71st Street Fairfield Avenue to Line Avenue	1,200,000
Ackard Avenue (Reconstruction) Greenway Place to Southfield Road	2,500,000
Audrey Lane (Reconstruction) Aline Drive to Kemp Lane	1,350,000
Kemp Lane (Reconstruction) Round Grover to Circle Drive	2,200,000
Livingston Street Improvements Cul-de-sac East end	70,000
Kingston Road (Widening) Crabapple Drive to Williamson Way	3,500,000

University Park Subdivision (Pavement replacement)	3,600,000
Downing Street (Reconstruction) Martin Luther King Drive to Ironwood	850,000
Albert Street (Reconstruction) 800,000 Youree Drive to Anniston Avenue	960,000
Streetscape Improvements First Methodist Church/DDA	2,800,000
Rosary Lane (New sidewalk) East side Rosary Drive from Hickory Street to Cox Street	100,000
Thornhill Avenue (Street reconstruction) Ratcliff Street to Fairview Street	650,000
Jefferson-Paige Road – North Side (New sidewalk) Pines Road to Pineview Trailer Park	300,000
Youree Drive (Widening) Sand Beach Boulevard to Millicent Way	16,000,000
Catherine Street – 3600 Block (Reconstruction)	<u>400,000</u>
Total.....	\$298,030,000

BRIDGES:

Murphy Street Viaduct (remove/replace west abutment)	\$ 1,200,000
Millicent Avenue Extension/Bridge (3 Lanes) Creswell to Camelback	2,400,000
Linwood Overpass (Replacement)	15,600,000
US 171 Midway Railroad Bridge (Improve drainage)	1,200,000
Stoner Avenue Overpass (Replacement) Over Line Avenue	12,000,000
S. Lakeshore Bridge Replacement (2)	<u>\$ 1,200,000</u>
Total.....	\$ 33,600,000

INTERSECTION IMPROVEMENTS:

East 70th @ Gilbert Add turn lanes	\$ 900,000
Line @ Ockley Add turn lanes	1,500,000
Hollywood @ Mansfield Add turn lanes	1,200,000
East 70th @ Creswell Add turn lanes	900,000
Kings @ Hearne Fairgrounds Entrance Improvements	2,000,000
Fant Parkway @ Knight Street Extension	3,000,000
Linwood @ Mount Zion Slab Replacement	400,000
Ravendale @ Old Mooringsport Road	<u>850,000</u>

Total.....\$ 10,750,000

GENERAL CITYWIDE

• Sidewalk Program	\$ 40,000,000
• Traffic Signals	60,000,000
• Street Lighting	8,000,000
• Railroad Crossing	8,000,000
• Neighborhood Street Improvements	130,000,000
• Economic Development	17,000,000
• GIS Program	<u>20,000,000</u>

Total.....\$ 283,000,000

SUMMARY

ROADWAY IMPROVEMENTS	\$ 298,030,000
BRIDGES	33,600,000
INTERSECTION IMPROVEMENTS	10,750,000
GENERAL CITYWIDE	<u>283,000,000</u>

Total Program.....\$ 625,380,000

**CITY OF SHREVEPORT
DEPARTMENT OF OPERATIONAL SERVICES
DRAINAGE IMPROVEMENT PROGRAM**

\$109,200,000

<u>DRAINAGE IMPROVEMENTS:</u>	<u>COST</u>
Airport Ditch Repairs (Wyngate Drive)	\$1,600,000
Pierremont Park Ditch – Gilbert Lateral	1,800,000
Gilmer Bayou Overflow Bridge West of Dean Road At Colquitt (Reduce flooding in Southern Oaks area)	1,600,000
Brush Bayou Clearing & Dredging (Inner Loop to Flournoy-Lucas Road)	4,500,000
Brookwood Ditch (Replace Hawthorne Street crossings)	500,000
Summer Grove Ditch Repairs (Baird Road to Williamson Way)	1,600,000
Jones-Mabry Lateral Paving (Improves major earthen ditch in MLK area)	2,200,000
MLK Ditch Paving (Linear Street upstream to existing paved section – 1994)	2,000,000
Juniper Place-River Oaks Ditch Improvements (Improve an existing earthen ditch to accommodate future Development in the area)	780,000
Green Forest Drive Ditch Paving	200,000
Albert Street Drainage (from Youree east to Anniston Street)	800,000
Box Culvert/Ditch along Bert Kouns (from Town South Apartments to Sand Beach Bayou)	1,200,000

Kingston Road Drainage (North of Williamson Way, South of Willow Drive)	680,000
Red Stone Ditch Paving (MLK Area from Shreveport-Blanchard Road to MLK Drive)	1,200,000
Earthen Ditch (from Bert Kouns to Cromwell Drive (2500 l.f.))	850,000
9200 Block Dawnridge Drive Drainage (Industrial Loop to Cana)	700,000
Baywood Drive Drainage (Dean Road East)	300,000
Norris Ferry/Harts Island Study Projects (Estimated needs for future projects in the area)	6,000,000
100 Block Oakridge Drainage	1,200,000
Gilmer Bayou Ditch Repairs at Quail Ridge Bridge	240,000
North Highland Area Drainage (Empire Circle, Dearborn, Deer Park, Timber Lane, Wildwood Ave.)	1,100,000
Wintergarden Ditch Paving (Wintergarden to North Market) (Approximately 1100 l.f. 8' x 4' ditch paved)	800,000
Archer Drainage (3300 block of Youree to the 100 block of Archer)	1,000,000
Brush Bayou Paving (Mansfield Road @ Southern Pacific RR South to Mopac RR)	15,000,000
Pleasant Hill Road Drainage (Ellerbe West Drainage Improvements)	1,500,000
Broadacres Road Drainage (70 th Street to south of Westwood)	1,100,000
Bickham Bayou Paving (Pines Road @ Tierra to City Limits)	8,400,000
MLK Ditch Paving (Jones Mabry to North of Willis)	6,000,000

Acadiana Ditch Paving (Stonebriar to Prestonwood)	550,000
3802 West College Drainage	150,000
Jewella to Tate Drainage Improvements (Morningside Baptist Church)	430,000
Baxter Street/Denton Drainage Improvements Subsurface drainage system approximately 540 l.f.	300,000
Fernwood-Valleyview Ditch Paving Airport Ditch to Timberwood Drive	1,350,000
Green Terrace Ditch (Ardis Taylor Road to Givens Mobile Home Park, 2000 l.f.)	1,300,000
7100 Block Glenleaf Drainage (a) Paving ditch & 1500 l.f. (b) Earthen from Church to Glenleaf Mobile Home	1,000,000 380,000
Judy Lane Ditch (at Watercrest Drive) Re-align earthen ditch within R.O.W. & erosion protection	430,000
McAdoo Street, Coronado, Birch, & Normandie Drive Drainage Improvements	1,300,000
Cherokee Park Ditch Improvements Improve major earthen ditch in Cherokee Park	2,100,000
6965 Buncombe Road Ditch Paving (Buncombe Road to City Limit, 1900 LF)	1,300,000
Audrey Lane Ditch, Phase I (2800 Block Freddie to Thomas Howard – ditch paving)	800,000
Audrey Lane Ditch, Phase II (Thomas Howard to End – ditch paving)	1,200,000
Lynbrook Ditch Walls Extension (Linwood Avenue to Coyth Lane)	960,000
1818 Booker T. Washington	250,000

Essex Street (Hearne Avenue to Fairy Street) New Subsurface collection System	625,000
2300 Block Leslie (Carrie Street to Portland Avenue) New System	140,000
Crescent/Gilbert Drainage Improvements	600,000
1700 Block Clanton (Wallace to Bernstein) New Drainage System	360,000
7700 Block Gideon Street (Babylon to Roselawn) New Subsurface System	185,000
East 74th Street (74 th south to alley) Ditch Collection System	280,000
Gilbert Lateral Ditch	1,800,000
Margaret Place @ Line Avenue (Drainage improvements)	620,000
Sunshine Day Care (Drainage improvements)	240,000
Dillingham Ditch (600 and 700 Blocks of Robinson Place and Dalzell Street panel replacement)	600,000
2800 Corbitt Street (Drainage improvements)	450,000
Kingston Road/Flournoy-Lucas Road (Drainage improvements)	200,000
Tyne Drive/Lytham Drive (Drainage improvements)	550,000
TOTAL	<u>\$ 85,300,000</u>

CITYWIDE PROGRAM

Citywide Drainage Improvements	\$ 12,000,000
Drainage Ditch Repairs (Citywide to maintain paved drainage infrastructures)	9,000,000
Purchase of Flood Prone Properties (Citywide)	2,000,000
FEMA Updates & BFEs for "A" Zones	<u>900,000</u>
TOTAL	\$ <u>23,900,000</u>

SUMMARY

Drainage Improvements	\$ 85,300,000
Citywide Program	<u>23,900,000</u>
TOTAL	\$ <u>109,200,000</u>