

BATON ROUGE **SSO**

Program

Progress Report

1st Quarter 2013



Prepared for
City of Baton Rouge/
East Baton Rouge Parish
Department of Public Works

Prepared by

CH2MHILL

In association with
SIGMA Consulting Group, Inc.
ILSI Engineering

Program Management

South Wastewater Treatment Plant Using New Equipment

Less than two and a half years after breaking ground, the South Wastewater Treatment Plant (SWWTP) began use of its new equipment for Phase I on March 4, 2013. The \$113 million project was the second of three major improvement projects at the SWWTP and includes the following improvements:



South Wastewater Treatment Plant

- A new 67 million gallon per day (mgd) gravity influent pump station
- A new 138 mgd influent pump station
- A new 205 mgd preliminary treatment system
- 4 new covered concrete storage tanks totaling 66 million gallons capacity
- Odor control systems
- Piping, electrical substation, and site improvements

Phase I provides for a larger, more efficient preliminary treatment system, which consists of fine screens and grit removal systems. These processes remove large and coarse particles from the wastewater, protecting the rest of the treatment facility elements downstream from wear and tear.

When more water enters the system than can be processed during heavy storm events, the storage tanks hold the water until the plant is able to process it.

The design consultant on Phase I was CDM and the construction contractor was Brasfield and Gorrie. All phases of work on the SWWTP will be completed by December 31, 2014.



Aerial of Storage Tanks



Completed Projects

1. RMAP1: Kleinpeter Area Upgrades 03-RMP-S14
2. Jefferson Highway - Hoo Shoo Too Road 07-AR-US-0049
3. Gurney Road - Joor Road 07-PS-BD-0017
4. 25th Street - North Acadian Thruway 09-GS-UF-0008
5. Staring Lane - Boone Drive 08-AR-UF-0004
6. Comite Drive - Foster Road: Phase I 07-PS-BD-0019
7. Staring Lane FM: Phase I - Burbank to Highland 06-WC-CP-0036
8. RMAP1: PS136 Area Upgrades 99-RMP-S16
9. NWWTP Odor Control 07-WT-TP-0030
10. Foster Road - Hooper Road 07-FM-BD-0046
11. Burbank Road - Gardere Lane 08-AR-UF-0003
12. RMAP1: Industriplex Area Upgrades 99-RMP-S08
13. Comite Drive - Foster Road: Phase II 02-CS-HC-0001
14. Sullivan Rd / Lovett Rd / Wax Rd 07-PS-BD-0018
15. SWWTP Combined IAPs 08-TP-BD-0031
16. Scotland Avenue - Progress Road 09-AR-BD-0011
17. Elm Grove Garden Road - Harding Blvd 09-AR-BD-0012
18. Oak Villa Blvd - Choctaw Street 08-AR-UF-0005
19. Highland Road - Buchanan Street 08-GS-ST-0021
20. Zachary Area Transm Ntwk (ZATNIP): General Design N/A
21. Foster Drive - Government Street: Phase A 09-AR-BD-0015A
22. Nicholson Dr - Highland Rd - Perkins Rd: Phase A 09-FM-MS-047A
23. ZATNIP: Phase IV - Zachary Improvements 10-FM-IF-0005
24. Capitol Lake Drive - Gayosa Street / 25th Street - North Acadian Thruway 07-PS-BD-0048A
25. Group Project 2 - Small Pump Stations 08-PS-IF-0046
26. Downtown Area Pump Station Improvements 08-PS-ST-005608-PS-ST-0057
27. Citiplace/Essen Area - PS 119 & FM Improvements 08-FM-UF-0024
28. South Boulevard - St. Joseph Street / 25th Street - North Acadian Thruway 08-GS-ST-0018
29. Multiple PS: Jefferson Hwy - Park Forest Drive 09-PS-MS-0046
30. Foster Drive - Government Street: Phase B 09-AR-BD-0015B
31. Sharp Road - Florida Blvd 09-AR-BD-0013
32. Kenilworth Blvd - Boone Drive 09-AR-BD-0014
33. Brookstown Road - Evangeline Street: Phase II 10-AR-BD-0040
34. Silverleaf Road - Ford Street 10-AR-BD-0041
35. ZATNIP: Phase I - 3 PS & Equalization 10-FM-IF-0002
36. ZATNIP: Phase III - 964 to Red Mud Lakes 10-FM-IF-0004
37. Bluebonnet Blvd - Jefferson Hwy: Phase I 10-AR-MS-0042

Total Value of Completed Construction: \$243,448,092

Keeping you informed during construction is important to us.



| Project Information | | | | Consultant / Contractor | | | Schedule | | | |
|-----------------------------|-----------------------------------|--|-----------------------|-------------------------|---------------------------------------|-------------------------------------|----------------|--------------------|-----------------------|----------|
| # | Project Name | Project Type | DPW Project # | Design Consultant | Construction Contractor | Total Construction Contract Amount | Project Start | Advertise for Bids | Functionally Complete | |
| PROJECTS UNDER CONSTRUCTION | 1 | Acadian Thruway - Clayout Road | 10-AR-BD-0046 | Rehab Prog. Mgmt Team | Allen & LeBlanc | \$ 7,449,000 | 8-02-10 | 8-26-11 | 3-11-13 | |
| | 2 | Airline Highway - Goodwood Blvd: Phase I | 11-AR-MS-0027 | Rehab Prog. Mgmt Team | Grady Crawford | \$ 8,985,770 | 2-08-11 | 4-13-12 | 3-11-13 | |
| | 3 | Highland Road - Washington Street | 11-AR-MS-0022 | Rehab Prog. Mgmt Team | Wharton-Smith, Inc. | \$ 11,483,138 | 10-13-10 | 9-09-11 | 3-22-13 | |
| | 4 | Choctaw Storage and Pump Station Facility | Treatment/ Facilities | 09-PS-UF-0009 | CDM | Brasfield & Gorrie | \$ 43,630,143 | 4-14-08 | 10-22-10 | 4-09-13 |
| | 5 | Perkins/Old Perkins Area - Booster PS 514 Improvements | Capacity | 09-PS-MS-0034 | GEC | Wharton-Smith, Inc. | \$ 8,403,222 | 4-24-09 | 4-08-11 | 4-15-13 |
| | 6 | Group Project 1A: Veterans Pkwy - Gravity Mains | Capacity | 08-GS-UF-0053 | URS Corp. | Texas Sterling Construction | \$ 19,630,340 | 3-10-08 | 10-29-10 | 4-16-13 |
| | 7 | Acadian Thruway - Perkins Road | Rehab | 10-AR-BD-0044 | Rehab Prog. Mgmt Team | Grady Crawford | \$ 3,915,500 | 5-31-10 | 8-26-11 | 4-23-13 |
| | 8 | Bluebonnet Blvd - Jefferson Hwy: Phase II | Rehab | 10-AR-MS-0043 | Rehab Prog. Mgmt Team | Reynolds, Inc. | \$ 4,482,869 | 3-23-10 | 4-29-11 | 4-24-13 |
| | 9 | SWWTP Wet Weather Improvements: Phase I | Treatment/ Facilities | 08-TP-BD-0033 | CDM | Brasfield & Gorrie | \$ 108,705,595 | 1-23-08 | 3-26-10 | 4-31-13 |
| | 10 | Central Consolidated FM (2,3,5,7,10): Phase II | Capacity | 09-FM-MS-033B | Shread-Kuyrkendall & Associates, Inc. | Layne Heavy Civil, Inc. Orleans, IN | \$ - | 11-07-08 | 12-02-11 | 5-01-13 |
| | 11 | Brookstown Road - Evangeline Street: Phase I | Rehab | 10-AR-BD-0039 | Rehab Prog. Mgmt Team | Grady Crawford | \$ 10,309,180 | 7-10-09 | 10-15-10 | 5-28-13 |
| | 12 | Stanford Avenue - Morning Glory Road | Rehab | 10-AR-BD-0045 | Rehab Prog. Mgmt Team | Grady Crawford | \$ 6,876,000 | 6-25-10 | 7-08-11 | 6-10-13 |
| | 13 | Staring Lane FM - Phase III: Perkins to PS58 | Capacity | 06-WC-CP-0036 | Monroe & Corie | Reynolds, Inc. | \$ 7,175,654 | 4-30-09 | 5-27-11 | 6-13-13 |
| | 14 | Central Consolidated PS 42 FM: Phase II | Capacity | 09-FM-MS-036B | SJB / Owen & White | S.J. Louis Construction | \$ 12,322,953 | 11-07-08 | 12-02-11 | 6-17-13 |
| | 15 | Central Consolidated FM (2,3,5,7,10): Phase I | Capacity | 09-FM-MS-033A | Shread-Kuyrkendall & Associates, Inc. | Wharton-Smith, Inc. | \$ 11,154,538 | 11-07-08 | 9-16-11 | 6-28-13 |
| | 16 | Central Consolidated PS 42 FM: Phase I | Capacity | 09-FM-MS-036A | SJB / Owen & White | Reynolds, Inc. | \$ 15,176,285 | 11-07-08 | 4-29-11 | 7-03-13 |
| | 17 | Staring Lane FM - Phase II: Highland to Perkins | Capacity | 06-WC-CP-0036 | Monroe & Corie | JB James Construction | \$ 26,964,828 | 4-04-08 | 8-06-10 | 7-19-13 |
| | 18 | EPA SCADA | SCADA | 03-GMP-0001 | N/A | Prime Controls, L.P. | \$ 699,685 | 3-02-10 | 5-13-11 | 7-24-13 |
| | 19 | Highland Road - Burbank Drive | Capacity | 08-FM-ST-0023 | GOTECH, Inc. | RACON, Inc. | \$ 21,143,984 | 3-31-08 | 10-29-10 | 7-26-13 |
| | 20 | Bayou Duplantier Area Sewer Upgrades | Capacity | 09-GS-MS-0042 | Neel-Schaffer | S.J. Louis Construction | \$ 4,374,000 | 8-31-09 | 7-01-11 | 8-01-13 |
| | 21 | Annual Parish Wide Physical Inspection Contract | Other | 08-PI-UF-0051 | VIS / CES | VIS / CES | \$ - | 1-01-12 | 12-16-11 | 12-30-13 |
| | 22 | Annual Parish Wide CIPP Contract | Rehab | 11-CP-UF-0007 | N/A | Boh Brothers | \$ 2,000,000 | 1-00-00 | 9-16-11 | 12-31-13 |
| | 23 | Central Consolidated Pump Stations (2,3,4,5,6,7,10 and 91) | Capacity | 09-PS-MS-0035 | Burk Kleinpeter / JJG | Reynolds, Inc. | \$ 20,718,328 | 11-07-08 | 8-12-11 | 2-24-14 |
| | 24 | Nicholson Dr - Highland Rd - Perkins Rd: Phase B | Capacity | 09-FM-MS-047B | Buchart - Horn | TBA | \$ 15,290,000 | 6-29-09 | 12-21-12 | 4-10-14 |
| | 25 | ZATNIP: Phase II - Red Mud Lakes FM | Capacity | 10-FM-IF-0003 | SJB / Owen & White | Wharton-Smith, Inc. | \$ 12,640,000 | 3-24-08 | 12-16-11 | 4-16-14 |
| | 26 | Central Pump Station - PS 42 | Capacity | 09-PS-UF-0003 | MWH | Reynolds, Inc. | \$ 10,527,000 | 10-21-08 | 10-14-11 | 4-30-14 |
| | 27 | PS 58A Capacity Improvements | Capacity | 09-PS-UF-0001 | GEC | Cajun Constructors | \$ 13,012,000 | 1-05-09 | 3-09-12 | 5-02-14 |
| | 28 | Group Project 1B: Metro Airpopt Area - PS and FM | Capacity | 08-PS-UF-0054 | Evans-Graves / Burk Kleinpeter | Grady Crawford | \$ 22,800,000 | 3-10-08 | 4-13-12 | 5-08-14 |
| | 29 | Emergency Generators Installation | Other | 09-PS-BD-0037 | N/A | Grady Crawford | \$ 7,180,546 | 5-23-11 | 3-28-08 | 5-21-14 |
| | 30 | Plank Road - Kleinpeter Road | Capacity | 09-GS-UF-0028 | Forte & Tablada | JB James Construction | \$ 9,331,605 | 3-23-09 | 10-19-12 | 9-17-14 |
| | 31 | Hooper Storage | Treatment/ Facilities | 09-PS-UF-0007 | TRC Engineers | Cecil Gassiot | \$ 17,427,113 | 1-19-09 | 4-27-12 | 10-14-14 |
| | 32 | Emergency Generators Purchasing | Other | 09-PS-BD-0037 | N/A | ARCCO | \$ 7,200,000 | 10-01-09 | 6-15-09 | 12-31-14 |
| | 33 | SWWTP Wet Weather Improvements: Phase II | Treatment/ Facilities | 08-TP-BD-0055 | MWH | Brasfield & Gorrie | \$ 107,219,000 | 10-01-08 | 8-19-11 | 1-16-15 |
| | 34 | Multiple PS: Nicholson Drive - Brightside Drive | Capacity | 09-PS-MS-0048 | Arcadis U.S., Inc. | Layne Heavy Civil, Inc. Orleans, IN | \$ 11,516,552 | 9-14-09 | 4-27-12 | 1-22-15 |
| | 35 | SCADA - Master Plan | SCADA | | Tesco Controls, Inc. | TBA | \$ - | 3-02-10 | 6-08-12 | 11-22-17 |
| | 36 | Annual Parish Wide Manhole Rehab Contract | Rehab | 11-MH-UF-0006 | N/A | Grady Crawford | \$ 1,500,000 | - | 9-16-11 | - |
| | 37 | Annual Parish Wide Sewer Repair & Replacement | Rehab | 11-PN-UF-0043 | N/A | Grady Crawford | \$ 1,500,000 | - | 9-30-11 | - |
| 37 | Total Projects Under Construction | | | | | \$ | 592,744,028 | | | |

| Project Information | | | | Consultant / Contractor | Cost Information | | | |
|-----------------------------|---|--------------|----------------|---|---------------------------|---------------|------------------------------|---------------------------------|
| # | Project Name | Project Type | DPW Project # | Design Consultant | PDP Construction Estimate | Project Start | Projected Advertise for Bids | Projected Functionally Complete |
| PROJECTS IN DESIGN | 1 O'Neal Lane Pipeline Improvements: Group A | Capacity | 10-FM-MS-008A | URS Corp. | \$ 12,157,000 | 9-29-09 | 4-19-13 | 7-17-14 |
| | 3 Antioch Road - Chadsford Drive | Rehab | | Rehab Prog. Mgmt Team | \$ 15,376,000 | 7-14-11 | 5-17-13 | 8-21-14 |
| | 2 Airline Highway - Goodwood Blvd: Phase II | Rehab | 11-AR-MS-0028 | Rehab Prog. Mgmt Team | \$ 11,900,000 | 2-08-11 | 5-31-13 | 7-21-14 |
| | 4 O'Neal Lane Pump Stations Improvements: Phase A | Capacity | 10-PS-MS-0050 | MWH | \$ 12,614,000 | 5-25-10 | 6-07-13 | 6-10-15 |
| | 5 Government Street - South Acadian Thruway | Capacity | 09-GS-MS-0043 | GSA Consulting Engineers | \$ 5,814,000 | 8-28-09 | 6-07-13 | 7-17-14 |
| | 6 O'Neal Lane Pump Stations Improvements: Phase B | Capacity | 10-PS-MS-0051 | URS Corp. | \$ 9,800,000 | 5-25-10 | 6-14-13 | 9-11-15 |
| | 7 South Blvd - Saint Joseph: Phase B | Capacity | 07-PS-BD-0048A | Hartman Engineering Shread-Kuyrkendall | \$ 3,500,000 | 6-24-11 | 6-21-13 | 5-01-14 |
| | 8 Jones Creek Road - Tiger Bend Road Area Rehab | Rehab | 12-AR-MS-0038 | Rehab Prog. Mgmt Team | \$ 12,200,000 | 9-14-11 | 6-21-13 | 9-19-14 |
| | 9 Airline Highway Pipeline Projects | Capacity | 10-GS-MS-0007 | ABMB Eng. | \$ 37,700,000 | 1-30-09 | 7-12-13 | 3-03-16 |
| | 10 Multiple PS: Burbank Drive - Siegen Lane | Capacity | 11-PS-MS-0026 | Hartman Engineering | \$ 4,000,000 | 4-18-11 | 7-19-13 | 3-05-15 |
| | 11 Plank Road Pump Station Improvements | Capacity | 11-PM-MS-0024 | Arcadis U.S., Inc. | \$ 9,300,000 | 4-13-11 | 7-19-13 | 6-03-15 |
| | 12 Scenic Highway - Spanish Town Road Area Rehab: Phase 1 | Rehab | | Rehab Prog. Mgmt Team | \$ 8,600,000 | 5-07-12 | 7-19-13 | 10-23-14 |
| | 13 O'Neal Lane Pipeline Improvements: Phase B | Capacity | 10-FM-MS-008B | URS Corp. | \$ 6,600,000 | 9-29-09 | 7-26-13 | 12-11-14 |
| | 14 Interstate 110 - Hollywood Street Area Rehab | Rehab | | Rehab Prog. Mgmt Team | \$ 6,000,000 | 6-18-12 | 9-13-13 | 12-19-14 |
| | 15 Florida Blvd Pump Station Improvements | Capacity | 11-PS-MS-0003 | Brown & Caldwell | \$ 15,482,000 | 1-28-11 | 1-24-14 | 2-18-16 |
| | 16 East Blvd - Government Street Area Rehab | Rehab | | Rehab Prog. Mgmt Team | \$ 8,000,000 | 9-17-12 | 2-28-14 | 6-10-15 |
| | 17 Hooper Road Pump Station Improvements | Capacity | 10-PS-MS-0048 | Stanley | \$ 11,835,000 | 5-03-10 | 4-11-14 | 8-12-16 |
| | 18 Scenic Highway - Spanish Town Road Area Rehab: Phase 2 | Rehab | | Rehab Prog. Mgmt Team | \$ 8,600,000 | 3-05-13 | 5-30-14 | 3-18-16 |
| | 19 Lovett Road - Greenwell Springs: Phase A | Capacity | 10-FM-MS-0049A | SJB/Owen & White | \$ 14,229,000 | 5-03-10 | 6-06-14 | 10-27-15 |
| | 20 Sherwood Forest - Goodwood Blvd Pipeline Improvements | Capacity | 11-FM-MS-0005 | Forte & Tablada | \$ 12,000,000 | 1-03-11 | 7-11-14 | 12-03-15 |
| | 21 Oak Villa Blvd - Monterey Blvd | Capacity | 11-FM-MS-0025 | Professional Engineering Consultants | \$ 7,500,000 | 4-18-11 | 7-11-14 | 12-03-15 |
| | 22 Siegen Lane - Interstate 10 Area Rehab Project | Rehab | | Rehab Prog. Mgmt Team | \$ 6,100,000 | 6-10-13 | 9-05-14 | 2-23-16 |
| | 23 Lovett Road - Greenwell Springs: Group B | Capacity | 10-FM-MS-0049B | SJB/Owen & White | \$ 8,117,000 | 5-03-10 | 9-05-14 | 1-29-16 |
| | 24 Multiple PS: Highland Road - Kenilworth Parkway | Capacity | 10-PS-MS-0009 | AECOM | \$ 11,000,000 | 2-08-10 | 12-05-14 | 2-10-17 |
| | 25 Ardenwood Drive - Winbourne Avenue Area Rehab | Rehab | | CSRS, Inc. | \$ 4,700,000 | 10-10-13 | 1-09-15 | 4-27-16 |
| | 26 Flannery Road - Florida Blvd Area Rehab: Phase 1 | Rehab | | Rehab Prog. Mgmt Team | \$ 7,900,000 | 2-19-14 | 5-15-15 | 9-02-16 |
| | 27 Highland Road Pipeline Improvements: Group A | Capacity | 11-FM-MS-0004 | Evans Graves | \$ 7,761,000 | 1-05-11 | 5-22-15 | 10-19-16 |
| | 28 Joor Road - Greenwell Springs Road | Capacity | 11-FM-MS-0023 | TRC Engineers / Digital Engineering & Imaging | \$ 6,900,000 | 4-18-11 | 6-19-15 | 2-17-17 |
| | 29 Plank Road - Port Hudson Pride Road | Capacity | 11-FM-MS-0036 | Buchart - Horn | \$ 4,000,000 | 8-05-11 | 7-17-15 | 2-15-17 |
| | 30 Highland Road Pipeline Improvements: Group B | Capacity | 11-FM-MS-0004 | Evans Graves | \$ 8,737,000 | 1-05-11 | 7-24-15 | 12-21-16 |
| | 31 Flannery Road - Florida Blvd Area Rehab: Phase 2 | Rehab | | Rehab Prog. Mgmt Team | \$ 7,900,000 | 6-30-14 | 9-25-15 | 1-17-17 |
| | 32 Multiple PS: Prescott Rd - Greenwell Springs Rd | Capacity | 11-PS-MS-0034 | MWH | \$ 5,434,000 | 9-19-11 | 10-30-15 | 5-30-17 |
| | 33 Multiple PS: Highway 61 - Plank Road | Capacity | 11-PS-MS-0035 | GEC | \$ 6,000,000 | 9-26-11 | 10-30-15 | 5-30-17 |
| | 34 North 38th Street - Gus Young Avenue Area Rehab | Rehab | | Rehab Prog. Mgmt Team | \$ 3,600,000 | 8-19-14 | 11-13-15 | 3-07-17 |
| 34 Total Projects In Design | | | | | \$321,456,000 | | | |

LOOKING AHEAD...

The following projects are expected to advertise for construction bids during 2nd quarter 2013. As projects are advertised for construction bid, they will be posted on the SSO Program calendar at www.brprojects.com.

Nicholson Drive–Highland Road–Perkins Road Phase B (09-FM-MS-047B): This project includes the upsizing of force main and gravity mains in an area that extends north to the intersection of Jefferson Hwy and Tiger Bend Rd and continues south to the SWWTP. Expected to readvertise in April 2013.

O'Neal Lane Pipeline Projects-Group A (10-FM-MS-0008A): The project involves upsizing gravity main in an area that extends north of Florida Blvd to the Monticello Subdivision and continues south to include the Shenandoah and Old Jefferson areas. This project consists of upsizing approximately 54,000 linear feet (LF) of diameters ranging from 6 to 42 inch force main pipe and approximately 12,050 LF of various diameters of gravity sewer. Expected to advertise April 2013.

O'Neal Lane Pump Stations Projects-Group A (10-PS-MS-0050): Phase A project involves the upgrade of 17 pump stations ranging in size from 500 gallons per minute (gpm) to 22,000 gpm. The upgrades will work in conjunction with force main upgrades in the O'Neal Lane Pipeline Group A project to alleviate chronic SSOs at and near these pump stations. Expected to advertise June 2013.

Airline Highway-Goodwood Blvd Comprehensive Rehabilitation Project (Phase 2) (11-AR-MS-0028): This project includes the rehabilitation of the sewer collection system in the area of Airline Highway between Choctaw Street and I-10. The project is expected to advertise late May/early June 2013.

Government Street-South Acadian Thruway Capacity Improvement Project (09-GS-MS-0043): This project includes the upgrade of gravity sewers near Government St between Foster St and Acadian Thwy to alleviate SSOs in the vicinity. This project consists of upsizing approximately 9,800 linear feet (LF) of diameters ranging from 12 to 27 inch gravity sewer. Expected to readvertise June 2013.

South Boulevard-St. Joseph Street, Phase B Capacity Improvement Project (07-PS-BD-048A): This project consists of approximately 1,400 linear feet (LF), of new force-main ranging from 24 to 30 inch diameter along River Rd. It also includes approximately 2,500 LF of new 36 inch diameter gravity sewer pipe along South Blvd. Expected to readvertise in June 2013.

Antioch Road-Chadsford Drive Comprehensive Rehabilitation Project (City-Parish #TBD): This project includes the rehabilitation of the sewer collection system in the area of George O'Neal St between Jones Creek Blvd and the parish boundary. The project is expected to advertise June 2013.



BATON ROUGE SSO PROGRESS REPORT

1ST QUARTER 2013

BATON ROUGE 
Program

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