

BATON ROUGE 

Program

Progress Report

4th 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



PROJECT MANAGEMENT

Redirecting Flow to Save the City-Parish Operational Costs

Baton Rouge is gaining attention as one of America's next great cities. To allow for continued growth, the City-Parish needs to expand its wastewater collection and treatment infrastructure. Expanding the South Wastewater Treatment Plant (SWWTP) and increasing the plant's treatment capacity is one of the main components of the SSO Program. The expansion of the SWWTP will allow the closure of the Central Wastewater Treatment Plant (CWWTP) thereby reducing the overall long term cost to the maintenance and operation of the sewer system. The upgraded SWWTP will also help bring the City-Parish into compliance with discharge permits.



Flow will be redirected to the SWWTP.

In order for the CWWTP decommissioning to occur, wastewater flows will be diverted to the SWWTP. The diversion will be accomplished with a number of pump stations and pipelines that will be constructed under 6 program projects. The SWWTP will then need 6 months to acclimate to the new amounts of flow entering the plant, after which the CWWTP's decommissioning may begin.

The new pump station (PS) 42, which will be located just outside the gates of the CWWTP, and the PS 42 force main, which will connect PS 42 with the SWWTP, will send over half of the flow that currently goes to the CWWTP to the SWWTP.

The remaining half of the flow will be redirected to the SWWTP via a series of pump stations and pipelines that are being constructed under the Central Consolidation Pump Station and Force Main projects.

The closure of the CWWTP will save the City-Parish estimated savings of \$36 million in long term operation, maintenance, and capital expenditure costs. With the capital cost of \$25 million, the City-Parish's estimated total savings is \$11 million. Additionally, the City-Parish will reduce the number of sewage discharge permits from three to two, further reducing costs and regulatory exposure.

It is expected that the wastewater will begin to be diverted from the CWWTP to the SWWTP in early 2015.



PS 42 is still under construction.

COMPLETED PROJECTS

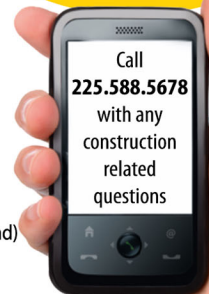
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The projects below are either fully or operationally complete.

1. RMAP1 - Kleinpeter Sewer Area Upgrades
2. Jefferson Hwy - Hoo Shoo Too Rd Area Rehabilitation Project
3. Gurney Rd - Joor Rd Sewer Area Upgrades
4. 25TH Street - North Acadian Thruway
5. Staring Ln - Boone Dr Area Rehabilitation Project
6. Comite Dr - Foster Rd Sewer Area Upgrades (Phase 1)
7. Staring Lane Extension - Phase 1 (Burbank Drive - LA 42 to Highland Road)
8. RMAP1 - Pump Station 136 Sewer Area Upgrades
9. North Wastewater Treatment Plant Odor Equipment Installation
10. Foster Rd - Hooper Rd Sewer Area Upgrades
11. Burbank Rd - Gardere Ln Area Rehabilitation Project
12. RMAP1 - Industriplex Sewer Area Upgrades
13. Comite Dr - Foster Rd Sewer Area Upgrades (Phase 2)
14. Sullivan Rd - Lovett Rd - Wax Rd Sewer Area Upgrades
15. South WWTP Immediate Action Plan (IAP) Combined Projects
16. Scotland Ave - Progress Rd Area Rehabilitation Project
17. Elm Grove Garden Rd - Harding Blvd Area Rehabilitation Project
18. Oak Villa Blvd - Choctaw St Area Rehabilitation Project
19. Highland Rd - Buchanan St Sewer Area Upgrades
20. Zachary Area Transmission Network Improvements Project Phase 4
21. Zachary Area Transm Ntwk (ZATNIP): General Design
22. Foster Dr - Government St Area Rehabilitation Project (Phase A)
23. Nicholson Dr - Highland Rd - Perkins Rd Sewer Area Upgrades (Phase A)
24. Capitol Lake Dr - Gayosa St / 25th St - N Acadian Thwy Sewer Area Upgrades
25. Old Perkins - Highland Rd (Group Project 2) Sewer Area Upgrades
26. Kenilworth Blvd - Boone Dr Area Rehabilitation Project
27. Downtown Area Pump Station Improvements
28. Citiplace/Essen Area Pump Station 119 & Force Main Improvements
29. South Blvd - St Joseph St /25th St - N Acadian Thwy Sewer Area Upgrades
30. Multiple Pump Stations - Jefferson Hwy - Park Forest Dr
31. Foster Dr - Government St Area Rehabilitation Project (Phase B)
32. Sharp Rd - Florida Blvd Area Rehabilitation Project
33. Brookstown Rd - Evangeline St Area Rehabilitation Project (Phase 2)
34. Silverleaf Rd - Ford St Area Rehabilitation Project
35. Stanford Rd - Morning Glory Rd Area Rehabilitation Project
36. Acadian Thwy - Perkins Rd Area Rehabilitation Project
37. Bluebonnet Blvd - Jefferson Hwy Area Rehabilitation Project (Phase 1)
38. Brookstown Rd - Evangeline St Area Rehabilitation Project (Phase 1)
39. Zachary Area Transmission Network Improvements Project Phase 1
40. Acadian Thwy - Claycut Rd Area Rehabilitation Project
41. Bluebonnet Blvd - Jefferson Hwy Area Rehabilitation Project (Phase 2)
42. South WWTP Wet Weather Improvements (Phase 1)
43. Metro Airport (Group 1A) Gravity Sewer Area Upgrades
44. Booster Pump Station 514 Replacement
45. Central Consolidation Force Main Sewer Area Upgrades (Phase I)
46. Highland Rd - Washington St Area Rehabilitation Project
47. Choctaw Storage and Pump Station Facilities
48. Bayou Duplantier Sewer Area Upgrades
49. Staring Lane Roadway Improvements- Phase 2 (Highland Road to Perkins Road)

Keeping you informed during construction is important to us.



Total Value of Completed Construction: \$495,215,698

Project Information				Consultant / Contractor			Schedule Information		
#	Project Name	Project Type	DPW Project #	Design Consultant	Construction Contractor	Total Construction Contract Amount	Project Start	Advertise for Bids	Anticipated Functionally Complete
1	Central Consolidated Pump Stations	Capacity	09-PS-MS-0035	Burk Kleinpeter / JYG	Reynolds, Inc.	\$ 21,068,325	11/7/2008	8/12/2011	2/21/2014
2	Highland Rd - Burbank Dr Sewer Area Upgrades	Capacity	08-FM-ST-0023	GOTECH, Inc.	RACON, Inc.	\$ 22,231,039	3/31/2008	10/29/2010	2/28/2014
3	Pump Station 42 Force Main (Phase 2)	Capacity	09-FM-MS-036B	SJB / Owen & White	S.J. Louis Construction	\$ 12,322,052	11/7/2008	12/2/2011	3/3/2014
4	Central Consolidation Force Main Sewer Area Upgrades (Phase II) Staring Lane Sewer Improvements - Phase 3 (Perkins Road to Pump Station 58)	Capacity	09-FM-MS-033B	Shread-Kuyrkendall & Associates, Inc.	Layne Heavy Civil, Inc. Orleans, IN	\$ 7,585,251	11/7/2008	12/2/2011	3/18/2014
5	Pump Station 42 Force Main (Phase 1)	Capacity	06-WC-CP-0036	Monroe & Corie	Reynolds, Inc.	\$ 8,629,342	4/30/2009	5/27/2011	3/31/2014
6	Zachary Area Transmission Network Improvements Project Phase 3	Capacity	09-FM-MS-036A	SJB / Owen & White	Reynolds, Inc.	\$ 15,977,734	11/7/2008	4/29/2011	4/3/2014
7	Airline Hwy - Goodwood Blvd Area Rehabilitation Project (Phase 1)	Capacity	10-FM-IF-0004	SJB / Owen & White	Hemphill Construction	\$ 9,238,515	3/24/2008	10/15/2010	5/1/2014
8	Plank Rd - Kleinpeter Rd Sewer Area Upgrades	Rehab	11-AR-MS-0027	Rehab Prog. Mgmt Team	Grady Crawford	\$ 9,064,062	2/8/2011	4/13/2012	5/6/2014
9	Standby Generator Installations for Sewer Lift Stations	Capacity	09-GS-UF-0028	Forte & Tablada	JB James Construction	\$ 9,331,606	3/23/2009	10/19/2012	5/16/2014
10	Metro Airport (Group 1B) Pump Station and Force Main Improvements	Master Plan	09-PS-BD-0037	N/A	Grady Crawford	\$ 7,180,546	5/23/2011	3/28/2008	5/21/2014
11	Pump Station 58 Replacement	Capacity	08-PS-UF-0054	Evans-Graves / Burk Kleinpeter	Grady Crawford	\$ 22,815,934	3/10/2008	4/13/2012	6/13/2014
12	Zachary Area Transmission Network Improvements Project Phase 2	Capacity	09-PS-UF-0001	GEC	Cajun Constructors	\$ 12,977,687	1/5/2009	3/9/2012	6/20/2014
13	Multiple Pump Station - Nicholson Dr - Brightside Ln	Capacity	10-FM-IF-0003	SJB / Owen & White	Wharton-Smith, Inc.	\$ 15,150,325	3/24/2008	12/16/2011	6/26/2014
14	Nicholson Dr - Highland Rd - Perkins Rd Sewer Area Upgrades (Phase 15 B)	Capacity	09-PS-MS-0048	Arcadis U.S., Inc.	Layne Heavy Civil, Inc. Orleans, IN	\$ 11,516,552	9/14/2009	4/27/2012	7/10/2014
15	Hooper Storage Facility	Capacity	09-FM-MS-047B	Buchart - Horn	Garney Construction	\$ 7,985,985	6/29/2009	5/24/2013	8/13/2014
16	South Blvd - St Joseph St - Phase B	Treatment/ Facilities	09-PS-UF-0007	TRC Engineers	Cecil Gassiot	\$ 17,427,113	1/19/2009	4/27/2012	9/11/2014
17	Antioch Rd - Chadsford Dr Area Rehabilitation Project	Capacity	08-GS-ST-018B & 09-GS-UF-008B	Hartman Engineering	JB James Construction	\$ 7,489,373	6/24/2011	9/6/2013	10/15/2014
18	O'Neal Ln Sewer Area Upgrades (Group A)	Rehab	11-AR-MS-0029	Shread-Kuyrkendall	Allen & LeBlanc	\$ 8,978,779	7/14/2011	8/9/2013	12/12/2014
19	Pump Station 42 Improvements	Capacity	10-FM-MS-0008	URS Corp.	Grady Crawford	\$ 13,894,002	9/29/2009	6/14/2013	12/19/2014
20	Airline Hwy - Goodwood Blvd Area Rehabilitation Project (Phase 2)	Capacity	09-PS-UF-0003	MWH	Reynolds, Inc.	\$ 10,568,741	10/21/2008	10/14/2011	2/9/2015
21	Scenic Hwy - Spanish Town Rd Area Rehabilitation Project (Phase 1)	Rehab	11-AR-MS-0028	Rehab Prog. Mgmt Team	Allen & LeBlanc	\$ 10,227,930	2/8/2011	6/21/2013	2/10/2015
22	O'Neal Ln Sewer Area Upgrades (Group B)	Rehab	12-AR-MS-0039	URS Corp.	Allen & LeBlanc	\$ 8,547,537	5/7/2012	10/18/2013	2/11/2015
23	South WWTP Wet Weather Improvements (Phase 2)	Capacity	10-FM-MS-008B	URS Corp.	Hemphill Construction Company, Inc.	\$ 6,023,429	9/29/2009	11/1/2013	2/27/2015
24	Jones Creek Rd - Tiger Bend Rd Area Rehabilitation Project	Treatment/ Facilities	08-TP-BD-0055	MWH	Brasfield & Gorrie	\$ 111,742,255	10/1/2008	8/19/2011	4/1/2015
25	O'Neal Ln Pump Stations Improvements (Group A)	Rehab	12-AR-MS-0038	Rehab Prog. Mgmt Team	TBD	\$ 12,200,000	9/14/2011	12/20/2013	4/24/2015
26	O'Neal Ln Pump Stations Improvements (Group B)	Capacity	10-PS-MS-0050	MWH	Grady Crawford	\$ 14,485,612	5/25/2010	10/11/2013	12/10/2015
27	SCADA Master Plan Project	Capacity	10-PS-MS-0051	URS Corp.	TBD	\$ 9,800,000	5/25/2010	12/20/2013	5/18/2016
28	Total Projects Under Construction	Master Plan	12-PS-MS-0021	Prog. Mgmt Team	Tesco Controls, Inc.	\$ 14,591,553	3/2/2010	6/8/2012	11/20/2018
						\$ 439,051,279			

Project Information				Consultant / Contractor		Schedule Information		
#	Project Name	Project Type	DPW Project #	Design Consultant	Total Construction Contract Amount	Project Start	Advertise for Bids	Anticipated Functionally Complete
1	Plank Rd Pump Stations Improvements	Capacity	11-PS-MS-0024	Arcadis U.S., Inc.	\$ 9,300,000	4/13/2011	1/17/2014	10/14/2015
2	I-110 - Hollywood St Area Rehabilitation Project	Rehab	12-AR-MS-0040	Rehab Prog. Mgmt Team	\$ 6,000,000	6/18/2012	1/24/2014	6/1/2015
3	Multiple Pump Stations - Highland Rd - Kenilworth Pkwy	Capacity	10-PS-MS-0009	AECOM	\$ 11,000,000	2/8/2010	1/31/2014	2/19/2016
4	Government St - S Acadian Thwy Sewer Area Upgrades	Capacity	09-GS-MS-0043	GSA Consulting Engineers	\$ 5,814,000	8/28/2009	2/7/2014	6/30/2015
5	East Blvd - Government St Area Rehabilitation Project	Rehab	12-AR-MS-0041	Rehab Prog. Mgmt Team	\$ 8,000,000	12/3/2012	2/28/2014	6/10/2015
6	Multiple Pump Stations - Burbank Dr - Siegen Ln	Capacity	11-PS-MS-0026	Hartman Engineering	\$ 4,000,000	4/18/2011	4/4/2014	11/17/2015
7	Highland Rd Sewer Area Upgrades (Group A)	Capacity	11-FM-MS-004A	Evans Graves	\$ 7,761,000	1/5/2011	4/11/2014	9/25/2015
8	Hooper Rd Pump Stations Improvements Zachary Area Transmission Network Improvements Project Phase 5	Capacity	10-PS-MS-0048	Stanley	\$ 11,935,000	5/3/2010	4/11/2014	8/12/2016
9	Environmental Services Facility	Master Plan	06-WC-IF-014E	SJB/Owen & White	\$ 2,000,000	1/1/2013	4/18/2014	10/3/2015
10	Highland Rd Sewer Area Upgrades (Group B)	Capacity	09-PS-UF-009A	CDM Smith	\$ 10,500,000	10/22/2010	4/25/2014	8/7/2015
11	Scenic Hwy - Spanish Town Rd Area Rehabilitation Project (Phase 2)	Capacity	11-FM-MS-004B	Evans Graves	\$ 8,737,000	1/5/2011	4/25/2014	10/19/2015
12	Airline Hwy Pipeline Project	Rehab	13-AR-MS-0032	Rehab Prog. Mgmt Team	\$ 8,600,000	3/5/2013	5/30/2014	3/18/2016
13	Lovett Rd - Greenwell Springs Rd Sewer Area Upgrades (Group A)	Capacity	10-GS-MS-0007	ABMB Eng.	\$ 37,700,000	1/30/2009	6/20/2014	1/19/2017
14	North WWTP Master Plan Sustainability Project	Master Plan	10-FM-MS-049A	SJB/Owen & White	\$ 14,229,000	5/3/2010	7/11/2014	12/2/2015
15	South WWTP Landscape Buffer Area Project	Master Plan	13-TP-MS-0045	Buchart - Horn	\$ 4,500,000	1/30/2012	8/8/2014	1/25/2016
16	Siegen Ln - I-10 Area Rehabilitation Project	Master Plan	13-TP-MS-0046	Eduardo J. Jenkins	\$ 500,000	2/1/2013	9/5/2014	11/18/2015
17	North WWTP Master Plan Landscape Buffer Area Project Lovett Rd - Greenwell Springs Rd Sewer Area Upgrades (Group B)	Rehab	13-AR-MS-0033	Rehab Prog. Mgmt Team	\$ 6,100,000	6/10/2013	9/5/2014	2/23/2016
18	Florida Blvd Pump Stations Improvements Ardenwood Dr - Winbourne Ave Area Rehabilitation Project	Master Plan	13-TP-MS-0001	TBD	\$ 500,000	3/5/2013	9/19/2014	11/21/2015
19	Sherwood Forest Blvd - Goodwood Blvd Sewer Area Upgrades	Capacity	10-FM-MS-049B	SJB/Owen & White	\$ 8,117,000	5/3/2010	10/3/2014	2/26/2016
20	North WWTP Master Plan Plant Improvements Project Flannery Rd - Florida Blvd Area Rehabilitation Project (Phase 1)	Capacity	11-PS-MS-0003	Brown & Caldwell	\$ 15,482,000	1/28/2011	12/5/2014	12/30/2016
21	Oak Villa Blvd - Monterrey Blvd Sewer Area Upgrades	Rehab	13-AR-MS-0034	CSRS, Inc.	\$ 4,700,000	10/11/2013	1/9/2015	4/27/2016
22	Joor Rd - Greenwell Springs Rd Sewer Area Upgrades	Capacity	11-FM-MS-0005	Forte & Tablada	\$ 12,000,000	1/3/2011	4/24/2015	9/15/2016
23	Plank Rd - Port Hudson Pride Rd Sewer Area Upgrades Flannery Rd - Florida Blvd Area Rehabilitation Project (Phase 2)	Master Plan	13-TP-MS-0047	CDM Smith	\$ 4,500,000	1/30/2012	5/8/2015	11/6/2018
24	Multiple Pump Stations - Hwy 61 - Plank Rd	Rehab	SGU-R-0003A	Rehab Prog. Mgmt Team	\$ 5,700,000	2/20/2014	5/15/2015	9/2/2016
25	Multiple Pump Stations - Prescott Rd - Greenwell Springs Rd	Capacity	11-FM-MS-0025	Professional Engineering Consultants	\$ 7,500,000	4/18/2011	6/19/2015	1/9/2017
26	Multiple Pump Stations - Prescott Rd - Greenwell Springs Rd	Capacity	11-FM-MS-0023	TRC Engineers / Digital Engineering & Imaging	\$ 6,900,000	4/18/2011	6/19/2015	2/17/2017
27	Multiple Pump Stations - Prescott Rd - Greenwell Springs Rd	Capacity	11-FM-MS-0036	Buchart - Horn	\$ 4,000,000	8/5/2011	7/17/2015	2/15/2017
28	Multiple Pump Stations - Prescott Rd - Greenwell Springs Rd	Rehab	SGU-R-0003B	Rehab Prog. Mgmt Team	\$ 5,700,000	7/7/2014	9/25/2015	1/17/2017
29	Multiple Pump Stations - Prescott Rd - Greenwell Springs Rd	Capacity	11-PS-MS-0035	GEC	\$ 6,000,000	9/26/2011	10/30/2015	5/30/2017
30	N 38th St - Gus Young Ave Area Rehabilitation Project	Capacity	11-PS-MS-0034	MWH	\$ 5,434,000	9/19/2011	10/30/2015	5/30/2017
31	Central WWTP Decommissioning Project	Rehab	SGC-R-0004	Rehab Prog. Mgmt Team	\$ 3,600,000	8/25/2014	11/13/2015	3/7/2017
32	Central WWTP Decommissioning Project	Master Plan	CWWTP-C-0001	TBD	\$ 2,000,000	10/17/2014	5/13/2016	5/13/2017
32	Total Projects In Design				\$ 248,809,000			

LOOKING AHEAD...

The following projects are expected to advertise for construction bids during 1st quarter 2014. As projects are advertised for construction bids, they will be posted on the SSO Program calendar at www.brprojects.com.

Plank Rd Pump Stations Improvements (11-PS-MS-0024): Located on the parish's western boundary, this project includes replacing 8 pump stations. The new pump stations will be able to handle peak wet weather flows ranging between 280 gpm and 11,200 gpm.

Interstate 110-Hollywood Street (12-AR-MS-0040): This rehab project consists of correcting defects in the system in the area north of Winbourne St.

Multiple Pump Stations - Highland Rd - Kenilworth Pkwy (10-PS-MS-0009): This project includes replacing 13 pump stations able to handle peak wet weather flows ranging between 380 and 9,720 gpm.

Government St - S Acadian Thwy Sewer Area Upgrades (09-GS-MS-0043): This project will upgrade about 12,270 LF of gravity main ranging from 8 to 24 in. in diameter near Government St between Foster St and Acadian Thwy.

East Blvd - Government St Area Rehabilitation Project (12-AR-MS-0041): This rehab project, located along the river downtown and extending out past 22nd St, consists of correcting defects in the system.



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4th QUARTER 2013