


BATON ROUGE **SSO**

# Program

## *Progress Report*

*3<sup>rd</sup> 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

## Choctaw Project Completed Nearly Two Years Ahead of Consent Decree Milestone

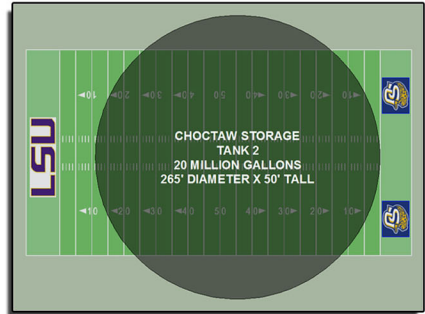
In order to reduce sanitary sewer overflows (SSOs) during large rain events and abide by the Consent Decree, the City-Parish (C-P) has initiated multiple projects to improve the overall functionality of the Baton Rouge sewer system.

The Choctaw Storage and Pump Station Facilities project will allow for the storage and conveyance of flows that are sent to the North Wastewater Treatment Plant (NWWTP) for treatment. Choctaw is one of four storage facilities being constructed within the C-P collection system. The tanks will store excess flow that enters the system during storm events until the flow decreases and may be sent to the NWWTP.

The tanks at Choctaw, which are 50-feet tall with a diameter of nearly of football field, have a storage capacity of 26 million gallons. The tanks are equipped with odor control units to capture gases for treatment before releasing to the atmosphere.

Design of the Choctaw Storage system began in early 2009 and was completed in 18 months. The construction contract was awarded at a low bid price of just over \$43,000,000, several million dollars under the original estimate. The project was declared functionally complete (meaning fully running as designed) in September, 2013 **nearly 2 years ahead of the Consent Decree milestone.**

The completion of the Choctaw Storage system project marks a major milestone in the SSO Program as it provides immediate relief to the residents, pipes, and pump stations by storing approximately 26 million gallons of water during rain events, reducing SSOs and back-ups into homes, and protecting public health and the environment.



*Choctaw storage tank 2 is nearly the size of a football field*



*During construction*



*After completion of construction*

# COMPLETED PROJECTS

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. Staring Ln - Boone Dr Area Rehabilitation Project
5. Comite Dr - Foster Rd Sewer Area Upgrades (Phase 1)
6. Staring Lane Extension - Phase 1 (Burbank Drive - LA 42 to Highland Road)
7. RMAP1 - Pump Station 136 Sewer Area Upgrades
8. North Wastewater Treatment Plant Odor Equipment Installation
9. Foster Rd - Hooper Rd Sewer Area Upgrades
10. Burbank Rd - Gardere Ln Area Rehabilitation Project
11. RMAP1 - Industriplex Sewer Area Upgrades
12. Comite Dr - Foster Rd Sewer Area Upgrades (Phase 2)
13. Sullivan Rd - Lovett Rd - Wax Rd Sewer Area Upgrades
14. South WWTP Immediate Action Plan (IAP) Combined Projects
15. Scotland Ave - Progress Rd Area Rehabilitation Project
16. Elm Grove Garden Rd - Harding Blvd Area Rehabilitation Project
17. Oak Villa Blvd - Choctaw St Area Rehabilitation Project
18. Highland Rd - Buchanan St Sewer Area Upgrades
19. Zachary Area Transmission Network Improvements Project Phase 4
20. Zachary Area Transm Ntwk (ZATNIP): General Design
21. Foster Dr - Government St Area Rehabilitation Project (Phase A)
22. Nicholson Dr - Highland Rd - Perkins Rd Sewer Area Upgrades (Phase A)
23. Capitol Lake Dr - Gayosa St / 25th St - N Acadian Thwy Sewer Area Upgrades
24. Old Perkins - Highland Rd (Group Project 2) Sewer Area Upgrades
25. Kenilworth Blvd - Boone Dr Area Rehabilitation Project
26. Downtown Area Pump Station Improvements
27. Citiplace/Essen Area Pump Station 119 & Force Main Improvements
28. South Blvd - St Joseph St /25th St - N Acadian Thwy Sewer Area Upgrades
29. Multiple Pump Stations - Jefferson Hwy - Park Forest Dr
30. Foster Dr - Government St Area Rehabilitation Project (Phase B)
31. Sharp Rd - Florida Blvd Area Rehabilitation Project
32. Brookstown Rd - Evangeline St Area Rehabilitation Project (Phase 2)
33. Silverleaf Rd - Ford St Area Rehabilitation Project
34. Stanford Rd - Morning Glory Rd Area Rehabilitation Project
35. Acadian Thwy - Perkins Rd Area Rehabilitation Project
36. Bluebonnet Blvd - Jefferson Hwy Area Rehabilitation Project (Phase 1)
37. Brookstown Rd - Evangeline St Area Rehabilitation Project (Phase 1)
38. Zachary Area Transmission Network Improvements Project Phase 1
39. Acadian Thwy - Claycut Rd Area Rehabilitation Project
40. Bluebonnet Blvd - Jefferson Hwy Area Rehabilitation Project (Phase 2)
41. South WWTP Wet Weather Improvements (Phase 1)
42. Metro Airport (Group 1A) Gravity Sewer Area Upgrades
43. Booster Pump Station 514 Replacement
44. Central Consolidation Force Main Sewer Area Upgrades (Phase I)
45. Highland Rd - Washington St Area Rehabilitation Project
46. Staring Lane Sewer Improvements - Phase 3 (Perkins Road to Pump Station 58)
47. Choctaw Storage and Pump Station Facilities
48. Bayou Duplantier Sewer Area Upgrades
49. 25TH Street - North Acadian Thruway

Keeping you informed during construction is important to us.



**Total Value of Completed Construction: \$498,487,233**



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 Consolidation Force Main Sewer Area Upgrades (Phase II)	Capacity	09-FM-MS-033B	Shread-Kuyrkendall & Associates, Inc.	Layne Heavy Civil, Inc. Orleans, IN	\$ 7,585,251	11/7/2008	12/2/2011	11/15/2013
2	Staring Lane Roadway Improvements - Phase 2 (Highland Road to Perkins Road)	Capacity	06-CS-HC-0024	Monroe & Corie	JB James Construction	\$ 26,964,828	4/4/2008	8/6/2010	12/13/2013
3	Pump Station 42 Force Main (Phase 1)	Capacity	09-FM-MS-036A	SJB / Owen & White	Reynolds, Inc.	\$ 15,977,734	11/7/2008	4/29/2011	12/27/2013
4	Highland Rd - Burbank Dr Sewer Area Upgrades	Capacity	08-FM-ST-0023	GOTECH, Inc.	RACON, Inc.	\$ 21,356,957	3/31/2008	10/29/2010	12/30/2013
5	Central Consolidated Pump Stations	Capacity	09-PS-MS-0035	Burk Kleinpeter / JJG	Reynolds, Inc.	\$ 20,938,366	11/7/2008	8/12/2011	1/9/2014
6	Zachary Area Transmission Network Improvements Project Phase 3	Capacity	10-FM-IF-0004	SJB / Owen & White	Hemphill Construction S.J. Louis	\$ 9,238,515	3/24/2008	10/15/2010	1/15/2014
7	Pump Station 42 Force Main (Phase 2)	Capacity	09-FM-MS-036B	SJB / Owen & White	Construction	\$ 12,322,052	11/7/2008	12/2/2011	2/11/2014
8	Airline Hwy - Goodwood Blvd Area Rehabilitation Project (Phase 1)	Rehab	11-AR-MS-0027	Rehab Prog. Mgmt Team	Grady Crawford	\$ 9,064,062	2/8/2011	4/13/2012	5/6/2014
9	Plank Rd - Kleinpeter Rd Sewer Area Upgrades	Capacity	09-GS-UF-0028	Forte & Tablada	JB James Construction	\$ 9,331,606	3/23/2009	10/19/2012	5/15/2014
10	Standby Generator Installations for Sewer Lift Stations	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	09-PS-UF-0001	GEC	Cajun Constructors	\$ 12,977,687	1/5/2009	3/9/2012	5/22/2014
12	Metro Airport (Group 1B) Pump Station and Force Main Improvements	Capacity	08-PS-UF-0054	Evans-Graves / Burk Kleinpeter	Grady Crawford	\$ 22,815,934	3/10/2008	4/13/2012	6/3/2014
13	Zachary Area Transmission Network Improvements Project Phase 2	Capacity	10-FM-IF-0003	SJB / Owen & White	Wharton-Smith, Inc.	\$ 13,287,671	3/24/2008	12/16/2011	6/26/2014
14	Multiple Pump Station - Nicholson Dr - Brightside Ln	Capacity	09-PS-MS-0048	Arcadis U.S., Inc.	Layne Heavy Civil, Inc. Orleans, IN	\$ 11,516,552	9/14/2009	4/27/2012	7/11/2014
15	Hooper Storage Facility	Treatment/ Facilities	09-PS-UF-0007	TRC Engineers	Cecil Gassiott	\$ 17,427,113	1/19/2009	4/27/2012	8/21/2014
16	Airline Hwy - Goodwood Blvd Area Rehabilitation Project (Phase 2)	Rehab	11-AR-MS-0028	Rehab Prog. Mgmt Team	TBD	\$ 11,900,000	2/8/2011	6/21/2013	9/23/2014
17	Pump Station 42 Improvements	Capacity	09-PS-UF-0003	MWH	Reynolds, Inc.	\$ 10,568,741	10/21/2008	10/14/2011	10/1/2014
18	South Blvd - St Joseph St - Phase B	Capacity	08-GS-ST-018B and 09-GS-UF-008B	Hartman Engineering Shread-Kuyrkendall	TBD	\$ 6,700,000	6/24/2011	9/6/2013	10/15/2014
19	O'Neal Ln Sewer Area Upgrades (Group A)	Capacity	10-FM-MS-0008	URS Corp.	Grady Crawford	\$ 13,984,002	9/29/2009	6/21/2013	10/20/2014
20	Antioch Rd - Chadsford Dr Area Rehabilitation Project	Rehab	11-AR-MS-0029	Rehab Prog. Mgmt Team	TBD	\$ 15,400,000	7/14/2011	8/9/2013	11/13/2014
21	Nicholson Dr - Highland Rd - Perkins Rd Sewer Area Upgrades (Phase B)	Capacity	09-FM-MS-0047	Buchart - Horn	Garney Construction	\$ 7,985,985	6/29/2009	5/24/2013	11/19/2014
22	South WWTP Wet Weather Improvements (Phase 2)	Treatment/ Facilities	08-TP-BD-0055	MWH	Brasfield & Gorrie	\$ 111,742,255	10/1/2008	8/19/2011	2/25/2015
23	SCADA Master Plan Project	Master Plan	12-PS-MS-0021	Tesco Controls, Inc.	TBD	\$ 14,591,553	3/2/2010	6/8/2012	8/23/2018
23	<b>Total Projects Under Construction</b>					<b>\$ 410,857,410</b>			



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	O'Neal Ln Pump Stations Improvements (Group A)	Capacity	10-PS-MS-0050	MWH	\$ 12,614,000	5/25/2010	10/4/2013	12/8/2015
2	Government St - S Acadian Thwy Sewer Area Upgrades	Capacity	09-GS-MS-0043	GSA Consulting Engineers	\$ 5,814,000	8/28/2009	10/11/2013	10/28/2014
3	Scenic Hwy - Spanish Town Rd Area Rehabilitation Project (Phase 1)	Rehab	12-AR-MS-0039	Rehab Prog. Mgmt Team	\$ 8,600,000	2/22/2012	10/11/2013	2/3/2015
4	O'Neal Ln Sewer Area Upgrades (Group B)	Capacity	10-FM-MS-008B	URS Corp.	\$ 6,600,000	9/29/2009	10/18/2013	2/12/2015
5	O'Neal Ln Pump Stations Improvements (Group B)	Capacity	10-PS-MS-0051	URS Corp.	\$ 9,800,000	5/25/2010	11/15/2013	1/25/2016
6	I-110 - Hollywood St Area Rehabilitation Project	Rehab	12-AR-MS-0040	Rehab Prog. Mgmt Team	\$ 6,000,000	6/18/2012	11/15/2013	3/10/2015
7	Project	Rehab	12-AR-MS-0038	Rehab Prog. Mgmt Team	\$ 12,200,000	9/14/2011	12/20/2013	4/3/2015
8	Plank Rd Pump Stations Improvements	Capacity	11-PS-MS-0024	Arcadis U.S., Inc.	\$ 9,300,000	4/13/2011	12/20/2013	10/15/2015
9	Airline Hwy Pipeline Project	Capacity	10-GS-MS-0007	ABMB Eng.	\$ 37,700,000	1/30/2009	12/20/2013	7/19/2016
10	Zachary Area Transmission Network Improvements Project Phase 5	Capacity	06-WC-IF-014E	SJB/Owen & White	\$ -	1/1/2013	1/17/2014	7/3/2015
11	Multiple Pump Stations - Highland Rd - Kenilworth Pkwy	Capacity	10-PS-MS-0009	AECOM	\$ 11,000,000	2/8/2010	1/24/2014	3/30/2016
12	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
13	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
14	Environmental Services Facility	Master Plan	09-PS-UF-009A	CDM Smith	\$ 10,500,000	10/22/2010	4/11/2014	1/24/2016
15	Hooper Rd Pump Stations Improvements	Capacity	10-PS-MS-0048	Stanley	\$ 11,935,000	5/3/2010	4/11/2014	8/12/2016
16	Highland Rd Sewer Area Upgrades (Group A)	Capacity	11-FM-MS-004A	Evans Graves	\$ 7,761,000	1/5/2011	5/16/2014	10/30/2015
17	Scenic Hwy - Spanish Town Rd Area Rehabilitation Project (Phase 2)	Rehab	13-AR-MS-0032	Rehab Prog. Mgmt Team	\$ 8,600,000	3/5/2013	5/30/2014	3/18/2016
18	Lovett Rd - Greenwell Springs Rd Sewer Area Upgrades (Group A)	Capacity	10-FM-MS-0049A	SJB/Owen & White	\$ 14,229,000	5/3/2010	7/11/2014	12/2/2015
19	Highland Rd Sewer Area Upgrades (Group B)	Capacity	11-FM-MS-004B	Evans Graves	\$ 8,737,000	1/5/2011	7/18/2014	1/13/2016
20	North WWTP Master Plan Sustainability Project	Master Plan	13-TP-MS-0045	Buchart - Horn	\$ 4,500,000	1/30/2012	8/8/2014	1/25/2016
21	South WWTP Landscape Buffer Area Project	Master Plan	13-TP-MS-0046	Eduardo J. Jenkins	\$ 500,000	2/1/2013	9/5/2014	11/18/2015
22	Siegen Ln - I-10 Area Rehabilitation Project	Rehab	13-AR-MS-0033	Rehab Prog. Mgmt Team	\$ 6,100,000	6/10/2013	9/5/2014	2/23/2016
23	North WWTP Master Plan Landscape Buffer Area Project	Master Plan	13-TP-MS-0001	TBD	\$ 500,000	3/5/2013	9/19/2014	11/21/2015
24	Lovett Rd - Greenwell Springs Rd Sewer Area Upgrades (Group B)	Capacity	10-FM-MS-0049	SJB/Owen & White	\$ 8,117,000	5/3/2010	10/3/2014	2/26/2016
25	Florida Blvd Pump Stations Improvements	Capacity	11-PS-MS-0003	Brown & Caldwell	\$ 15,482,000	1/28/2011	12/5/2014	12/30/2016
26	Ardenwood Dr - Winbourne Ave Area Rehabilitation Project	Rehab	13-AR-MS-0034	CSRS, Inc.	\$ 4,700,000	10/11/2013	1/9/2015	4/27/2016
27	Sherwood Forest Blvd - Goodwood Blvd Sewer Area Upgrades	Capacity	11-FM-MS-0005	Forte & Tablada	\$ 12,000,000	1/3/2011	4/24/2015	9/15/2016
28	North WWTP Master Plan Plant Improvements Project	Master Plan	13-TP-MS-0047	CDM Smith	\$ 4,500,000	1/30/2012	5/8/2015	11/6/2018
29	Flannery Rd - Florida Blvd Area Rehabilitation Project (Phase 1)	Rehab	-	Rehab Prog. Mgmt Team	\$ 5,700,000	2/20/2014	5/15/2015	9/2/2016
30	Oak Villa Blvd - Monterrey Blvd Sewer Area Upgrades	Capacity	11-FM-MS-0025	Professional Engineering Consultants	\$ 7,500,000	4/18/2011	6/19/2015	1/9/2017
31	Joor Rd - Greenwell Springs Rd Sewer Area Upgrades	Capacity	11-FM-MS-0023	TRC Engineers / Digital Engineering & Imaging	\$ 6,900,000	4/18/2011	6/19/2015	2/17/2017
32	Plank Rd - Port Hudson Pride Rd Sewer Area Upgrades	Capacity	11-FM-MS-0036	Buchart - Horn	\$ 4,000,000	8/5/2011	7/17/2015	2/15/2017
33	Flannery Rd - Florida Blvd Area Rehabilitation Project (Phase 2)	Rehab	-	Rehab Prog. Mgmt Team	\$ 5,700,000	7/7/2014	9/25/2015	1/17/2017
34	Multiple Pump Stations - Hwy 61 - Plank Rd	Capacity	11-PS-MS-0035	GEC	\$ 6,000,000	9/26/2011	10/30/2015	5/30/2017
35	Multiple Pump Stations - Prescott Rd - Greenwell Springs Rd	Capacity	11-PS-MS-0034	MWH	\$ 5,434,000	9/19/2011	10/30/2015	5/30/2017
36	N 38th St - Gus Young Ave Area Rehabilitation Project	Rehab	-	Rehab Prog. Mgmt Team	\$ 3,600,000	8/25/2014	11/13/2015	3/7/2017
37	Central WWTP Decommissioning Project	Master Plan	-	TBD	\$ 2,000,000	10/17/2014	5/13/2016	5/13/2017
37	<b>Total Projects In Design</b>				<b>\$ 296,623,000</b>			



# LOOKING AHEAD...

The following projects are expected to advertise for construction bids during 4th quarter 2013. As projects are advertised for construction bids, they will be posted on the SSO Program calendar at [www.brprojects.com](http://www.brprojects.com).

**Government St - S Acadian Thwy Sewer Area Upgrades (09-GS-MS-0043):** This project will upgrade about 9,800 LF of gravity main ranging from 12 to 27 in. in diameter near Government St between Foster St and Acadian Thwy.

**O'Neal Ln Pump Stations Improvements (Group A) (10-PS-MS-0050):** This project will upgrade 17 pump stations to work in conjunction with force main upgrades in the southern portion of the parish. The pump stations will be able to handle peak wet weather flows ranging between 122 gpm and 21,930 gpm.

**Scenic Hwy - Spanish Town Rd Area Rehabilitation Project (Phase 1) (12-AR-MS-0039):** Located north of I-10 and south of Hollywood St, this rehabilitation project will consist correcting defects in the system.

**O'Neal Ln Sewer Area Upgrades (Group B) (10-FM-MS-0008B):** Located in the south-eastern area of the parish, this project involves replacing and constructing over 1,000 LF of 18 in. diameter gravity main and 27,000 LF of force main ranging from 6 to 36 in. in diameter.

**O'Neal Ln Pump Stations Improvements (Group B) (10-PS-MS-0051):** This project, located along the southeastern border of the parish, involves replacing 27 pump stations. The new pump stations will be able to handle peak wet weather flows ranging between 305 gpm and 17,815 gpm.

**Interstate 110-Hollywood Street (NFW-R-0002):** This rehabilitation project will consist of correcting defects in the system in the area north of Winbourne St.

**Jones Creek Rd - Tiger Bend Rd Area Rehabilitation Project (12-AR-MS-0038):** North of I-10 and south of Old Hammond Rd, this project involves correcting defects in the system.

**Plank Rd Pump Stations Improvements (11-PS-MS-0024):** Located centrally on the parish's western border, this project involves replacing 9 pump stations. The new pump stations will be able to handle peak wet weather flows ranging between 278 gpm and 11,180 gpm.

## BATON ROUGE SSO PROGRESS REPORT



3<sup>rd</sup> QUARTER 2013