

# BATON ROUGE SSO PROGRAM

## PROGRESS REPORT JULY 2010



*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

BATON ROUGE   
Program



# PROGRAM MANAGEMENT

Coordination with the Department of Public Works, the Program Management Team continued to make progress overseeing the design and construction of 57 of the 85 projects that form part of the Sanitary Sewer Overflow (SSO) Program. Several advertisements for bid are expected to occur and construction on multiple projects is expected to begin in the coming months.

In anticipation of increasing construction related impacts to the community, Program communication staff have developed communication protocols and tools to proactively inform potentially affected residents and businesses.

The SSO Program is a comprehensive sewer improvement program designed to meet federal requirements, increase infrastructure capacity to support growth and economic development, improve the quality of life for residents of East Baton Rouge Parish, build the capacity of local disadvantaged business enterprises, and protect the area's rich natural resources.

## SSO Program Overview

- 85 total projects valued at \$1.2 billion
- Projects involve increases to sewer system capacity, storage, and rehabilitation, and upgrades to pipelines and pump stations

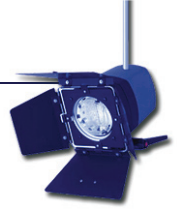
## July 2010 Status

- 7 projects completed
- 19 projects in construction
- 38 projects under design



**Call 225.588.5678 with any construction-related questions**

# IN THE SPOTLIGHT



## History of the Sewer System

The East Baton Rouge Parish sewer system was originally built in the late 1800s. In 1958, a Consolidated Sewer District comprising more than 400 pump stations and a network of pipelines was developed, and three wastewater treatment plants (WWTPs) were built to treat used water and sewage from homes, industry, businesses, and schools so that it can be returned safely back into the environment. Growth in the 1970s and 1980s resulted in the addition of individual (subdivision) treatment plants, and a federal mandate in 1984 required the upgrade of the North and South WWTPs and subdivision package plants.



*Capacity improvements include the installation of new pump stations and wet wells throughout the Parish.*

## SSO Program

In response to a federal Consent Decree, the SSO Program is making comprehensive improvements to the City-Parish's collection system and reducing sanitary sewer overflows. The Program is divided into three major areas:

### Pipeline Rehabilitation

30 projects involving CCTV inspecting, rehabilitating, and/or replacing more than 5 million feet of pipeline

### Capacity Improvements

46 projects involving upsizing 1 million feet of sewer pipe and 150 pump stations

### Treatment Plants

Six projects at North and South WWTPs will accommodate wet weather flows with a combination of process improvements and storage facilities and bring the South WWTP into EPA compliance with process improvements



*Two biotower units are being installed at the North WWTP as parts of the Headworks Odor Control Project.*

# PROJECTS COMPLETED AND UNDER CONSTRUCTION



Project Information				Project Components				Consultant/Contractor Information		Cost	Schedule			
#	Project Name	Project Type	DPW Project #	Number of Upgraded Pump Stations	Number of Replaced/Rehabilitated Manholes*	Linear Feet of Forcemain Improvements	Linear Feet of Gravity Main Improvements	Design Consultant	Construction Contractor	Construction Bid Amount	Project Start	Advertise for Construction Bid	Project End	
Completed	1	RMAP1 - Kleinpeter Area Upgrades	RMAP1	03-RMP-S14	1	-	2,000	-	Monroe & Corie	Allen & LeBlanc	\$324,024	2/1/2008	7/14/2008	5/8/2009
	2	Jefferson Highway-Hoo Shoo Too Road	Rehab	07-AR-US-0049	-	553	-	-	DPW	Allen & LeBlanc	\$2,239,396	5/16/2007	6/27/2008	9/22/2009
	3	Gurney Road - Joor Road	Capacity	07-PS-BD-0017	1	-	14,475	-	Neel-Schaffer	Grady Crawford	\$1,396,347	1/18/2008	8/29/2008	10/2/2009
	4	25th Street - North Acadian Thruway	Capacity	09-GS-UF-0008	-	-	-	-	Hartman Engineering	(design only)	\$-	2/2/2009	-	3/4/2010
	5	Staring Lane - Boone Drive	Rehab	08-AR-UF-0004	-	665	-	139,050	CSRS, Inc.	Grady Crawford	\$5,416,540	11/27/2007	1/23/2009	5/3/2010
	6	Comite Drive - Foster Road (PH1)	Capacity	07-PS-BD-0019	3	-	12,080	-	Monroe & Corie	Hemphill Construction	\$1,921,037	3/3/2008	1/16/2009	6/30/2020
	7	Staring Lane FM (PH1 - Burbank to Highland)	Capacity	06-WC-CP-0036	-	-	2,260	-	Monroe & Corie	James Construction	\$4,615,500	1/11/2008	9/19/2008	6/14/2010
				5	1,218	30,815	139,050			\$15,912,844				

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Under Construction	1	RMAP1 - PS136 Area Upgrades	RMAP1	99-RMP-S16	9	-	27,700	20,700	Sigma Consulting	Nottingham Construction	\$8,928,241	2/1/2008	10/26/2008	10/4/2010
	2	RMAP1 - Industriplex Area Upgrades	RMAP1	99-RMP-S08	6	-	4,000	-	Forfe & Tablada	BRH Garver	\$9,674,634	3/10/2008	10/31/2008	10/31/2010
	3	Gardere Lane - Burbank Road	Rehab	08-AR-UF-0003	-	787	-	168,300	CSRS, Inc.	Allen & LeBlanc	\$5,957,855	5/16/2007	11/15/2008	9/30/2010
	4	SWWTP IAPs Combined	WWTP	08-TP-BD-0031	-	-	-	-	CDM, MWH, URS Corp.	Brasfield & Gorrie	\$27,159,964	11/6/2006	12/12/2008	1/12/2011
	5	Foster Road - Hooper Road	Capacity	07-FM-BD-0046	-	-	26,200	-	PEC	Hemphill Construction	\$8,761,675	2/14/2008	1/9/2009	10/15/2010
	6	Sullivan Rd/Lovett Rd/Wax Rd	Capacity	07-PS-BD-0018	3	-	4,200	2,100	Hartman Engineering	Don M. Barron Contractor	\$2,158,346	1/17/2008	1/16/2009	9/7/2010
	7	Oak Villa Blvd - Choctaw Street	Rehab	08-AR-UF-0005	-	966	-	238,425	CSRS, Inc.	Grady Crawford	\$8,997,369	4/14/2008	5/16/2009	9/7/2011
	8	Comite Drive - Foster Road (PH2)	Capacity	02-CS-HC-0001	-	-	-	1,361	Monroe & Corie	JB James Construction	\$895,957	6/23/2008	6/27/2009	12/10/2010
	9	Elm Grove Garden Road - Harding Blvd	Rehab	09-AR-BD-0012	-	839	-	199,500	CSRS, Inc.	Allen & LeBlanc	\$12,989,271	10/1/2008	9/29/2009	6/13/2011
	10	Scotland Avenue - Progress Road	Rehab	09-AR-BD-0011	-	775	-	189,250	CSRS, Inc.	Magnolia Construction	\$9,207,594	9/9/2008	9/29/2009	3/14/2011
	11	NWWTP Odor Control	WWTP	07-WT-TP-0030	-	-	-	-	Environmental Eng Svcs	SEMS, Inc.	\$2,279,038	6/29/2007	10/30/2009	9/2/2010
	12	Group Project 2 - Small Pump Stations	Capacity	08-PS-IF-0046	7	-	-	-	ABMB Eng.	Grady Crawford	\$3,476,003	3/10/2008	3/26/2010	8/16/2011
	13	SWWTP Wet Weather Improve (PH1)	WWTP	08-TP-BD-0033	-	-	-	-	CDM	Brasfield & Gorrie	\$113,227,000	6/23/2008	3/27/2010	5/20/2013
	14	Sharp Road - Florida Blvd	Rehab	09-AR-BD-0013	-	1,154	-	274,475	CSRS, Inc.	Reynolds, Inc.	\$17,492,855	1/15/2009	4/16/2010	3/7/2012
	15	South Blvd - St. Joseph St / 25th St - N.Acadian Thwy	Capacity	08-GS-ST-0018	-	-	18,360	3,000	Evans-Graves	Reynolds, Inc.	\$17,965,049	3/27/2008	4/16/2010	12/14/2011
	16	Highland Road - Buchanan Street	Capacity	08-GS-ST-0021	-	-	4,465	8,390	Burk-Kleinpeter/Justice & Huang (JV)	Gilmore & Son Construction Corp	\$4,325,851	3/14/2008	4/23/2010	9/22/2011
	17	Capitol Lake Dr - Gayosa St / 25th St - N. Acadian Thwy	Capacity	07-PS-BD-0048	-	-	19,320	19,150	Shread-Kuyrkendall & Associates, Inc.	Morgan Contracting, Inc. of Florida	\$10,497,568	1/14/2008	6/18/2010	12/28/2011
	18	Emergency Generators	Other	09-PS-BD-0037	-	-	-	-	ARCCO (purchasing cont.)	TBA	\$10,400,000	2009	6/18/2010	2010
	19	Foster Drive - Government Street	Rehab	09-AR-BD-0015	-	629	-	159,300	CSRS, Inc.	Grady Crawford	\$4,819,752	5/25/2009	6/25/2010	3/13/2012
				25	5,150	104,245	1,283,951			\$279,214,022				

\*All manholes are inspected in the project area. Only some are rehabilitated or replaced.







# PROJECTS UNDER DESIGN

Project Information				Consultant Information	Cost	Schedule		
#	Project Name	Project Type	DPW Project #	Design Consultant	Estimated PDP Construction Value	Project Start	Advertise for Construction Bid	Project End
1	Staring Lane FM (PH2 - Highland to Perkins)	Capacity	06-WC-CP-0036	Monroe & Corie	\$14,000,000	4/8/2008	8/6/2010	2/5/2013
2	Citiplace/Essen Area - PS119 and Forcemain Improvements	Capacity	08-FM-UF-0024	GSA Consulting Engineers, Inc.	\$2,800,000	2/25/2008	8/20/2010	9/6/2011
3	Zachary Area Transmission Network Improvements - PH4	Capacity	10-FM-IF-0005	SJB/Owen & White	\$10,600,000	3/24/2008	8/27/2010	3/27/2013
4	Zachary Area Transmission Network Improvements - PH1	Capacity	10-FM-IF-0002	SJB/Owen & White	\$17,000,000	3/24/2008	8/27/2010	8/12/2013
5	Downtown Area - PS15,19, 59, 60	Capacity	08-PS-ST-0056 / 57	Shaw Environmental & Infrastructure, Inc.	\$7,200,000	3/24/2008	9/3/2010	12/17/2012
6	Choctaw Storage and PS Facility	WWTP	09-PS-UF-0009	CDM	\$51,518,720	4/14/2008	9/24/2010	11/7/2012
7	Kenilworth Blvd - Boone Drive	Rehab	09-AR-BD-0014	CSRS, Inc.	\$5,400,000	3/26/2009	10/8/2010	10/27/2011
8	Group Project 1A (Veterans Parkway - Gravity Mains)	Capacity	08-GS-UF-0053	URS Corp.	\$29,200,000	3/10/2008	10/15/2010	3/19/2014
9	Zachary Area Transmission Network Improvements - PH3	Capacity	10-FM-IF-0004	SJB/Owen & White	\$20,000,000	3/24/2008	10/15/2010	4/23/2013
10	Central Consolidation FM (2,3,5,7,10)	Capacity	09-FM-MS-0033	Shread-Kuykendall & Associates, Inc.	\$7,400,000	11/7/2008	10/15/2010	8/20/2012
11	Central Consolidation- PS42 FM	Capacity	09-FM-MS-0036	SJB/Owen & White	\$19,000,000	11/7/2008	10/15/2010	8/31/2012
12	Brookstown Road - Evangeline Street - PH1	Rehab	10-AR-BD-0039	CSRS, Inc.	\$11,500,000	7/10/2009	10/15/2010	3/19/2013
13	Highland Road - Burbank Drive	Capacity	08-FM-ST-0023	GOTECH, Inc.	\$16,200,000	3/31/2008	10/22/2010	12/31/2012
14	PS 58A Overflow Pump Station	Capacity	09-PS-UF-0001	GEC	\$11,100,000	1/5/2009	10/22/2010	8/28/2012
15	Brookstown Road - Evangeline Street - PH2	Rehab	10-AR-BD-0040	CSRS, Inc.	\$11,500,000	1/21/2010	10/22/2010	9/12/2012
16	Plank Road - Kleinpeter Road	Capacity	09-GS-UF-0028	Forte & Tablada	\$7,000,000	3/23/2009	12/3/2010	5/2/2013
17	Group Project 1B (Veterans Parkway - PS and FM)	Capacity	08-PS-UF-0054	Evans-Graves / Burk Kleinpeter	\$17,200,000	3/10/2008	12/10/2010	4/19/2013
18	Multiple PS - Jefferson Highway - Park Forest Drive	Capacity	09-PS-MS-0046	CSRS, Inc.	\$2,500,000	6/8/2009	12/10/2010	9/25/2012
19	Silverleaf Road - Ford Street	Rehab	10-AR-BD-0041	CSRS, Inc.	\$11,000,000	10/26/2009	12/10/2010	5/1/2012
20	Perkins/Old Perkins Area - Booster PS514 Improvements	Capacity	09-PS-MS-0034	GEC	\$9,800,000	4/24/2009	12/15/2010	4/16/2012
21	Bluebonnet Blvd - Jefferson Hwy - PH1	Rehab	10-AR-MS-0043	CSRS, Inc.	\$14,000,000	3/23/2010	12/30/2010	5/11/2012
22	Central Pump Station - PS 42	Capacity	09-PS-UF-0003	MWH	\$6,900,000	10/21/2008	1/12/2011	11/13/2012
23	Government St - S. Acadian Thruway	Capacity	09-GS-MS-0043	GSA Consulting Engineers, Inc.	\$4,300,000	8/28/2009	1/12/2011	6/10/2013
24	Zachary Area Transmission Network Improvements - PH2	Capacity	10-FM-IF-0003	SJB/Owen & White	\$11,800,000	3/24/2008	1/14/2011	5/22/2013
25	SWWTP Wet Weather Improvements - PH2	WWTP	08-TP-BD-0055	MWH	\$40,000,000	10/1/2008	1/14/2011	6/23/2014
26	Bluebonnet Blvd - Jefferson Hwy - PH2	Rehab	10-AR-UF-0042	CSRS, Inc.	included in phase1	2/8/2010	1/14/2011	5/24/2012
27	Central Consolidated Pump Stations (2,3,4,5,6,7,10 and 91)	Capacity	09-PS-MS-0035	Burk Kleinpeter / JJG	\$17,100,000	11/7/2008	1/21/2011	11/26/2012
28	Nicholson Dr - Highland Rd - Perkins Rd	Capacity	09-GS-MS-0047	Buchart - Horn	\$9,200,000	6/29/2009	2/25/2011	7/25/2013
29	Staring Lane FM (PH3 - Perkins to PS58)	Capacity	06-WC-CP-0036	Monroe & Corie	\$10,000,000	4/30/2009	3/11/2011	4/12/2013
30	Bayou Duplantier Area Sewer Upgrades	Capacity	09-GS-MS-0042	Neel-Schaffer	\$4,400,000	8/31/2009	3/18/2011	7/25/2013
31	Hooper Storage	WWTP	09-PS-UF-0007	TRC Engineers	\$19,700,000	1/19/2009	3/25/2011	11/15/2012
32	Multiple PS - Nicholson Dr - Brightside Dr	Capacity	09-PS-MS-0048	Arcadis U.S., Inc.	\$5,900,000	9/14/2009	4/7/2011	9/5/2013
33	O'Neal Lane Pipeline Projects	Capacity	10-FM-MS-0008	URS Corp.	\$19,900,000	9/29/2009	9/2/2011	12/13/2013
34	Airline Highway Pipeline Projects	Capacity	10-GS-MS-0007	ABMB Eng.	\$28,800,000	1/30/2009	9/23/2011	12/6/2013
35	Multiple PS - Highland Rd - Kenilworth Parkway	Capacity	10-PS-MS-0009	AECOM	\$9,200,000	11/9/2009	10/17/2011	6/18/2014
36	Hooper Road Pump Station	Capacity	TBA	TBA	\$11,800,000	5/3/2010	1/18/2012	5/22/2014
37	O'Neal Lane Pump Stations	Capacity	TBA	TBA	\$21,400,000	5/3/2010	1/18/2012	5/22/2014
38	Lovett Road - Greenwell Springs	Capacity	TBA	TBA	\$15,400,000	5/3/2010	2/10/2012	2/12/2014

Under Design

\$531,718,720



## Looking Ahead...

### Upcoming Projects to be Advertised for Construction

**Staring Lane FM (Phase II – Highland to Perkins):** Will advertise on approximately August 2010. This project is being constructed simultaneous with the Green Light Plan's roadwork.

**Citiplace/Essen Area – PS119 and Forcemain Improvements:** Expected to advertise August 2010. The project includes the construction of 8,100 feet of new 16-inch forcemain from PS119 to PS58.

**Zachary Area Transmission Network Improvements – Phase I: Three Pump Stations and Equalization:** Expected to advertise August 2010. Phase 1 includes constructing three new pump stations and a new 20 MG concrete storage facility at Red Mud Lakes.

**Zachary Area Transmission Network Improvements – Phase IV: Zachary Improvements:** Expected to advertise August 2010. Phase 4 includes the installation of forcemain along the Old Baker Road, Hwy 964 and north and west of the proposed Old Baker Road pump station.

### Upcoming RFOs for Engineering Services

**South Forcemain System Capacity Improvements Project SFU-C-0002B (O'Neal Lane Pump Stations Group B Project)**  
14 new pump stations with design flows ranging from 200-18,000 gallons per minute

**South Forcemain System Capacity Improvements Project SFU-C-0002A (O'Neal Lane Pump Stations Group A Project)**  
14 new pump stations with design flows ranging from 350-22,500 gallons per minute

**North Forcemain System Capacity Improvement Project NFE-C-0005 (Hooper Road Pump Stations Project)** 14 new pump stations with design flows ranging from 100 – 20,000 gallons per minute

**North Forced System Capacity Improvement Project NFE-C-0006 (Lovett Road – Greenwell Springs Road)**  
Replacement of 118,000 lf of gravity sewer and forcemain ranging in size from 6 to 30 inches.



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