

# BATON ROUGE SSO PROGRAM

## PROGRESS REPORT

AUGUST 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 SSO  
Program



# PROGRAM MANAGEMENT

With 57 projects in design or construction, August 2010 marked another month of continued progress in implementing the City of Baton Rouge/ Parish of East Baton Rouge (City-Parish) Sanitary Sewer Overflow (SSO) Program projects. While continuing to manage and oversee design and construction projects and advertise bids for upcoming projects, the Program Management Team (CH2M HILL, Sigma Consulting Group, and ILSI Engineering) began conducting the annual review of the Program Delivery Plan.

### SSO Program Overview

- \$1.2B Infrastructure Improvement Program
- 78 Capacity Improvement and Rehabilitation Projects
- 7 Wastewater Treatment Plant Projects

### August 2010 Status

- 8 projects completed
- 23 projects in construction
- 34 projects under design

The Program Delivery Plan is the primary planning document for this comprehensive program. It describes the scope, estimated budget, and schedule for each project. Issues, such as construction sequencing and coordination with the Green Light Plan when scheduling projects, are addressed in this document in an effort to maximize resources and reduce construction related impacts to citizens in the City-Parish. The Program Delivery Plan update forms the basis for SSO Program planning for 2011.

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, build the capacity of local disadvantaged business enterprises, and protect the area's rich natural resources.



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

# IN THE SPOTLIGHT

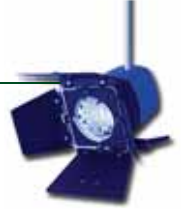
## What is wastewater? Where does it go?

When you wash dishes, flush toilets, shower, or launder clothes, the “used” water (known as wastewater) flows from the pipes in your home into the City-Parish’s wastewater collection system.

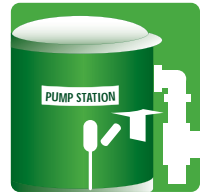
The City-Parish collection system is a network of pipes, gravity sewers, pump stations, and pressurized pipes called forcemains, that transfers wastewater from homes and businesses to the South, Central, or North Wastewater Treatment Plants.

In your neighborhood, gravity sewers transport wastewater away, but the energy from gravity might not be enough to transfer the wastewater all the way to a treatment plant. In this case, gravity sewers transport wastewater to a low point and at that location a pump station is placed which helps to lift or “push” the wastewater through a forcemain pipe up to a point at which it can again flow through a gravity sewer.

Because Baton Rouge is primarily flat, pump stations are constantly in use to help “push” wastewater flows from pump station to pump station and finally to one of the wastewater treatment plants. At the treatment plant, wastewater passes through a series of treatment processes to clean it. The clean wastewater is then discharged into the Mississippi River.



## A Closer Look at... PUMP STATIONS



Pump stations come in all shapes and sizes and are designed to handle raw sewage from underground gravity pipelines (pipes that are laid at a slope so that wastewater can flow in one direction under gravity). Sewage may be detained for a short period of time in the wet well until it can be moved to a wastewater treatment plant.



# PROJECTS COMPLETED AND UNDER CONSTRUCTION



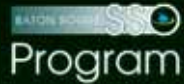
	Project Information				Project Components				Consultant/Contractor Information		Cost	Schedule		
	#	Project Name	Project Type	DPW Project #	Number of Upgraded Pump Stations	Number of Replaced/Rehabilitated Manholes*	Linear Feet of Forcemain Improvements	Linear Feet of Gravity Main Improvements	Design 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
	8	RMAP1 - PS136	RMAP1	99-RMP-S16	9	-	27,700	20,700	Sigma Consulting	Nottingham Construction	\$8,928,241	2/1/2008	10/26/2008	9/30/2010
				14	1,218	58,515	159,750			\$24,841,085				

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Under Construction	1	RMAP1 - Industriplex Area Upgrades	RMAP1	99-RMP-S08	6	-	4,000	-	Forte & Tablada	BRH Garver	\$9,674,634	3/10/2008	10/31/2008	10/31/2010
	2	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
	3	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
	4	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
	5	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
	6	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
	7	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
	8	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
	9	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
	10	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
	11	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
	12	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
	13	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
	14	South Blvd - St. Joseph St / 25th St - N. Acadian Thruway	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
	15	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
	16	Capitol Lake Dr - Gayosa St / 25th St - N. Acadian Thruway	Capacity	07-PS-BD-0048	-	-	19,320	19,150	Shread-Kuykendall & Associates, Inc.	Morgan Contracting, Inc. of Florida	\$10,497,568	1/14/2008	6/18/2010	12/28/2011
	17	Emergency Generators Purchasing	Other	09-PS-BD-0037	-	-	-	-	ARCCO	N/A	\$10,400,000	2009	6/18/2010	2010
	18	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
	19	Staring Lane FM (PH2 - Highland to Perkins)	Capacity	06-WC-CP-0036	-	-	12,363	-	Monroe & Corie	TBA**	\$10,715,000	4/4/2008	8/6/2010	2/5/2013
	20	Citiplace/Essen Area - PS119 and FM Improve.	Capacity	08-FM-UF-0024	1	-	8,100	-	GSA Consulting Engineers	TBA**	\$3,345,854	2/25/2008	8/20/2010	1/31/2012
	21	Zachary Area Transmission Network - PH4	Capacity	10-FM-IF-0005	-	-	42,500	-	SJB/Owen & White	TBA**	\$19,682,938	3/24/2008	8/27/2010	8/20/2013
	22	Zachary Area Transmission Network - PH1	Capacity	10-FM-IF-0002	3	-	-	-	SJB/Owen & White	TBA**	\$14,985,594	3/24/2008	8/27/2010	3/28/2010
	23	Emergency Generators Installation	Other	09-PS-BD-0037	-	-	-	-	N/A	TBA**	\$7,102,285	2010	8/27/2010	2013
				20	5,150	139,508	1,263,251			\$326,117,452				

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

\*\* Contractor yet to be selected. The construction bid amount shown is the engineering estimate.





# 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	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	2/14/2012
2	Choctaw Storage and PS Facility	WWTP	09-PS-UF-0009	CDM	\$51,518,720	4/14/2008	10/8/2010	11/21/2012
3	Kenilworth Blvd - Boone Drive	Rehab	09-AR-BD-0014	CSRS, Inc.	\$5,400,000	3/26/2009	10/8/2010	3/16/2012
4	Group Project 1A (Veterans Parkway - Gravity Mains)	Capacity	08-GS-UF-0053	URS Corp.	\$29,200,000	3/10/2008	10/8/2010	3/19/2014
5	Zachary Area Transmission Network Improvements - PH3	Capacity	10-FM-IF-0004	SJB/Owen & White	\$20,000,000	3/24/2008	10/15/2010	2/25/2014
6	Brookstown Road - Evangeline Street - PH1	Rehab	10-AR-BD-0039	CSRS, Inc.	\$11,500,000	7/10/2009	10/15/2010	11/13/2012
7	Central Consolidation- PS42 FM	Capacity	09-FM-MS-0036	SJB/Owen & White	\$19,000,000	11/7/2008	10/22/2010	9/10/2012
8	Highland Road - Burbank Drive	Capacity	08-FM-ST-0023	GOTECH, Inc.	\$16,200,000	3/31/2008	10/22/2010	12/31/2012
9	PS 58A Overflow Pump Station	Capacity	09-PS-UF-0001	GEC	\$11,100,000	1/5/2009	10/22/2010	8/28/2012
10	Brookstown Road - Evangeline Street - PH2	Rehab	10-AR-BD-0040	CSRS, Inc.	\$11,500,000	1/21/2010	10/29/2010	9/12/2012
11	Central Consolidation FM (2,3,5,7,10)	Capacity	09-FM-MS-0033	Shread-Kuyrkendall & Associates, Inc.	\$7,400,000	11/7/2008	12/10/2010	10/12/2012
12	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
13	Silverleaf Road - Ford Street	Rehab	10-AR-BD-0041	CSRS, Inc.	\$11,000,000	10/26/2009	12/10/2010	5/1/2012
14	Perkins/Old Perkins Area - Booster PS514 Improvements	Capacity	09-PS-MS-0034	GEC	\$9,800,000	4/24/2009	12/17/2010	4/16/2012
15	Central Pump Station - PS 42	Capacity	09-PS-UF-0003	MWH	\$6,900,000	10/21/2008	1/14/2011	11/15/2012
16	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
17	SWWTP Wet Weather Improvements - PH2	WWTP	08-TP-BD-0055	MWH	\$40,000,000	10/1/2008	1/14/2011	6/23/2014
18	Bluebonnet Blvd - Jefferson Hwy - PH2	Rehab	10-AR-UF-0042	CSRS, Inc.	included in phase1	3/23/2010	1/14/2011	5/24/2012
19	Central Consolidated Pump Stations (2,3,4,5,6,7,10 and 91)	Capacity	09-PS-MS-0035	Burk Kleinpeter / JGG	\$17,100,000	11/7/2008	1/19/2011	11/20/2012
20	Bluebonnet Blvd - Jefferson Hwy - PH1	Rehab	10-AR-MS-0043	CSRS, Inc.	\$14,000,000	2/8/2010	1/21/2011	5/25/2012
21	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
22	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
23	Bayou Duplantier Area Sewer Upgrades	Capacity	09-GS-MS-0042	Neel-Schaffer	\$4,400,000	8/31/2009	3/18/2011	7/25/2013
24	Hooper Storage	WWTP	09-PS-UF-0007	TRC Engineers	\$19,700,000	1/19/2009	3/25/2011	11/15/2012
25	Multiple PS - Nicholson Dr - Brightside Dr	Capacity	09-PS-MS-0048	Arcadis U.S., Inc.	\$5,900,000	9/14/2009	3/25/2011	8/21/2013
26	Government St - S. Acadian Thruway	Capacity	09-GS-MS-0043	GSA Consulting Engineers, Inc.	\$4,300,000	8/28/2009	4/15/2011	6/10/2013
27	Plank Road - Kleinpeter Road	Capacity	09-GS-UF-0028	Forte & Tablada	\$7,000,000	3/23/2009	4/29/2011	6/19/2013
28	Multiple PS - Jefferson Highway - Park Forest Drive	Capacity	09-PS-MS-0046	CSRS, Inc.	\$2,500,000	6/8/2009	6/24/2011	9/25/2012
29	O'Neal Lane Pipeline Projects	Capacity	10-FM-MS-0008	URS Corp.	\$19,900,000	9/29/2009	9/8/2011	12/18/2013
30	Airline Highway Pipeline Projects	Capacity	10-GS-MS-0007	ABMB Eng.	\$28,800,000	1/30/2009	9/23/2011	12/6/2013
31	Multiple PS - Highland Rd - Kenilworth Parkway	Capacity	10-PS-MS-0009	AECOM	\$9,200,000	2/8/2010	10/19/2011	6/23/2014
32	Hooper Road Pump Station	Capacity	TBA	TBA	\$11,800,000	5/3/2010	3/16/2012	7/21/2014
33	O'Neal Lane Pump Stations (Phase A and Phase B projects)	Capacity	TBA	TBA	\$21,400,000	5/25/2010	3/19/2012	7/25/2014
34	Lovett Road - Greenwell Springs	Capacity	TBA	TBA	\$15,400,000	5/3/2010	4/13/2012	4/10/2014

\$487,318,720

# Looking Ahead...

## Recently Advertised

**Emergency Generator Installation:** Advertised August, 2010. Bid award to be announced. This project involves installing emergency generators at pump stations throughout the City-Parish.

**Staring Lane Forcemain (Phase II – Highland to Perkins):** Advertised August 6, 2010; mandatory pre-bid meeting August 23, 2010; bid opening September 2, 2010. This project is being constructed simultaneously with the Green Light Plan's roadwork.

**Citiplace/Essen Area – PS119 and Forcemain Improvements:** Advertised August 20, 2010; mandatory pre-bid meeting September 8, 2010; bid opening September 15, 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: Advertised August 27, 2010; pre-bid meeting September 14, 2010; bid opening September 28, 2010. Phase I includes constructing three new pump stations and a new 20-million-gallon concrete storage facility at Red Mud Lakes.

**Zachary Area Transmission Network Improvements – Phase IV: Zachary Improvements:** Advertised August 27, 2010; pre-bid meeting September 14, 2010; bid opening September 30, 2010. Phase IV includes construction of a forcemain along the Old Baker Road, Highway 964, and north and west of the proposed Old Baker Road pump station.

**Downtown Area Pump Station Improvements:** Advertised September 3, 2010; mandatory pre-bid meeting September 22, 2010; bid will be opened October 5, 2010. This project includes the upgrade of PS15, PS19, and PS59 to alleviate SSOs at and near the pump stations as well as in their respective upstream basins.

## Upcoming Projects to be Advertised for Construction

The following projects are expected to advertise for construction in October 2010:

- Choctaw Storage and PS Facility
- Kenilworth Blvd - Boone Drive
- Group Project 1A (Veterans Parkway - Gravity Mains)
- Brookstown Road - Evangeline Street (Phase 1)
- Zachary Area Transmission Network Improvements - Phase III: 964 to Red Mud Lakes
  - Central Consolidation - PS42 FM
  - Highland Road - Burbank Drive
  - PS 58 Overflow Pump Station
- Brookstown Road - Evangeline Street (Phase 2)

See [www.brprojects.com](http://www.brprojects.com) for additional information on these projects.

## Upcoming RFOs for Engineering Services (Selection September 23, 2010)

**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 Forcemain System Capacity Improvement Project NFE-C-0006 (Lovett Road – Greenwell Springs Road):** Replace 118,000 linear feet of gravity sewer and forcemain ranging in size from 6 to 30 inches.



# BATON ROUGE SSO PROGRAM PROGRESS REPORT

## AUGUST 2010

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