

BATON ROUGE SSO PROGRAM PROGRESS REPORT FEBRUARY 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

The purpose of the Sanitary Sewer Overflow (SSO) Program is to deliver a wastewater infrastructure system for the citizens of the City of Baton Rouge/East Baton Rouge Parish by implementing a timely cost-effective Program that will:

- Reduce excess wet weather flows that cause SSOs by:
 - Rehabilitating the existing sewer system
 - Making capacity improvements
 - Improving wastewater treatment and storage
- Accommodate economic development
- Meet or exceed regulatory requirements
- Improve the quality of life

As of February 2010, three projects have been complete! This equates to 131,685 linear feet of improved sewer pipe, 2 pump stations with additional capacity and 553 rehabilitated manholes.

Completed Projects:

RMAP1 – Kleinpeter Area Capacity Upgrades: This project is located in Metro Council District 2 in the Santa Maria Golf Club/Country Club of Louisiana area near Interstate 10 and Highland Road. Capacity upgrades to a pump station and forcemain sewer pipe were made to increase the pumping capacity by approximately 40%.

Project Highlights

- 2,000 linear feet of sewer pipe was improved
- 1 pump station was upgraded

Jefferson Highway – Hoo Shoo Too Road Rehabilitation Project:

This project is located in the Metro Council District 9 southern part of East Baton Rouge Parish and included the cleaning and inspection of sewer pipes and manholes in the sewer collection system.

Project Highlights

- 117,110 linear feet of sewer pipe was cleaned and inspected
- 553 manholes were cleaned and inspected

Gurney Road – Joor Road Capacity Improvements: This project is located in Metro Council District 4 and included capacity upgrades to a pump station and sewer pipe. These improvements will help meet future peak wet weather flows and alleviate SSOs.

Project Highlights

- 14,575 linear feet of sewer pipe was improved
- 1 pump station was replaced

PUBLIC OUTREACH

Conducting outreach and Communicating with the community is a high priority of the SSO Program.

During February 2010, the following outreach and public awareness activities were conducted.

Advertisement in the Advocate Newspaper, February 28, 2010

"Thank you Baton Rouge"
Mayor Kip Holden

Local Contractors Combined with National Support are Improving the Sewers in Our Community

Photo by David Humphrey

The Program Management team (CH2M HILL, Sigma, and ILSI) with the City of Baton Rouge/East Baton Rouge Parish and the Department of Public Works thank the many businesses who are implementing the Baton Rouge Sanitary Sewer Overflow (SSO) Program, and who are working to improve the quality of life and the environment for our community.

A & O Electric, Inc. ABMB Engineers, Inc. ACCOM Allen & LeBlanc, LLC Angela Lattone-Lakovic, MAI, SRA Aquaterra Engineering, a Terracon Company Arcadis US, Inc. Ardeman & Associates, Inc. Armo Electric, Inc. Asael, Simmeske, Tuzain & Associates, Inc. B & K Underground, Inc. Baker Pipe Driving & Site Work, LLC Bear Industries, Inc. BRM Corporation, Land Surveyors Black Vix, LLC Bradford & Gorrie, General Contractors BRH Gutter Construction, L.P. Buchart Horn, Inc. Burk-Kempster, Inc. Capital Stone, Inc. CDM C-K-Associates, LLC Clemson Engineering Hydraulics Compliance Consultants, Inc. Compliance Environmental Systems Conestoga Builders, Inc. Crigen Clump Winton Architects CSRS, Inc.	Custom Ecology, Inc. Custom Solutions Real Estate Group, Inc. Dennis Stewart Equipment Rental, Inc. Digital Engineering & Imaging, Inc. Dishes Coating Systems, Inc. Don M. Barron, Contractor, Inc. E.B.S., Inc. Environmental Engineering Services, Inc. Evans - Graves Engineers, Inc. Ferris Engineering & Surveying, LLC Fore & Tablada, Inc. Consulting Engineers G.L.C., Inc. Garney Construction GenEnginers George Platt, MAI, SRA, Real Estate Appraiser Glenn T. Shannon & Associates, Inc. Goral Abstracting Services, LLC GO TECH, Inc. Grady Crawford Construction Company, Inc. Great Western/Gulf Shores Construction GT and Associates Gulf Coast Reinforcing, LLC Gulf South Land Title Resources Hartman Engineering, Inc. Hemphill Construction Company, Inc. Informulm Technologies, Inc. J.L. Arnold, Inc. James Construction Group, LLC James Lipscomb Real Estate Appraisal Services JB James Construction, LLC	J&J, a Jacobs Company John C. Doran, MAI, Real Estate Services JH Geac Operations Justice & Huang Engineers, Inc. Kerr Construction, Inc. L. Smith Real Estate Group Land Source Incorporated Leback Land Company Lowery Enterprises of the South, Inc. Magnolia Construction Co., LLC Marero, Couvillon & Associates, LLC Michael J. Seifried, Appraiser Monroe & Corie, Inc. Murphy Energy Resources, LLC MWH Americas, Inc. Natural Resource Professionals, LLC Nees-Schaffer Noiland & Wang Nottingham Construction Group Contractors NTB Associates, Inc. Orens & White, Inc. Peltier Brothers Construction Proau Appraisals Professional Applications Services Professional Engineering Consultants Corporation Professional Service Industries, Inc. Quest Acquisitions, LLC Reginald, Ardeman & Associates, Inc. Reintgen Resources, Inc.	Ranger Field Services Schwake's Directional Drilling, LLC SEMS, Inc. Shaw Environmental & Infrastructure, Inc. Sheard-Roykendall SJB Group, LLC Southern Earth Sciences, Inc. Sun Coast Contracting, LLC Sunland Construction Incorporated The Aquilar Group TRC Engineers, Inc. U.S. Underground URS Corporation US FLUSSION, LLC Video Industrial Services Video Pipe Inspection, Inc. W. Ross Shuffield, Jr., MAI, CCIM Waste Management of Baton Rouge Wastewater Treatment of Louisiana Wayne J. Griffin Electric
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CH2MHILL **SIGMA** **ILSI ENGINEERING**

BATON ROUGE **SSO**
Program

Mayor-President Kip Holden announced that as of February 2010 approximately 123 different businesses were contracted with the SSO Program to make improvements to the quality of life and environment in our community.

Educational Meeting held February 2010

February 8: Mr. Joe Young/Project Manager and Mr. Gerry Boquin/GIS Lead gave a presentation to high school students attending the Scotlandville Engineering Magnet Program. Using the SSO GIS and Modeling programs, students learned how math can be applied in real life and in real jobs.



Outreach Meetings held February 2010

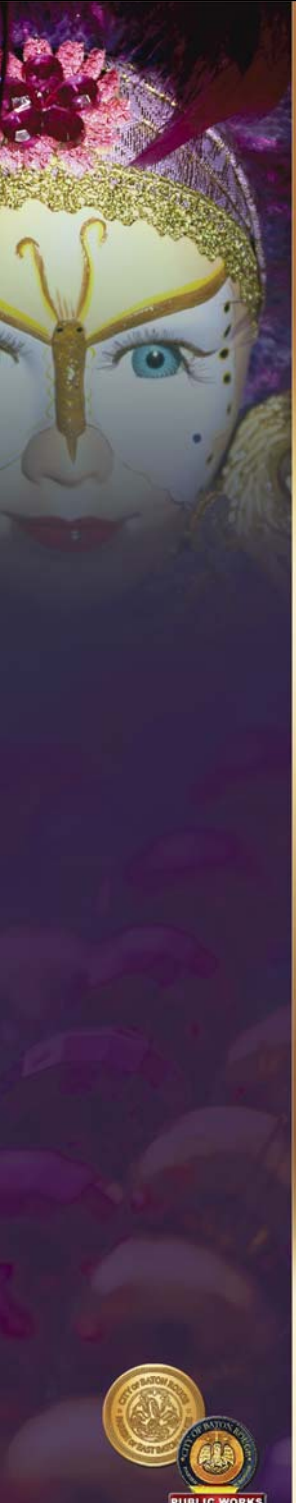
SSO Program staff continued to meet with Metro Council Member to discuss specific SSO projects in their District.

February 9: Under the direction of Metro Councilwoman Tara Wicker, approximately 25 Leadership Council members met with SSO representatives to learn about the seven rehabilitation projects and nine capacity improvement projects scheduled in **District 10**.

February 22: Under the direction of Metro Councilwoman Ronnie Edwards, a meeting was held at the St. Mark United Methodist Church with community members to learn about the seven rehabilitation projects and seven capacity improvement projects that affect **District 5**.

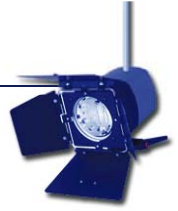
SCHEDULE

	Project Name	DPW Project #	Design Consultant	Construction Contractor	Construction Bid Amount	Status	Project Start	Advertise for Construction	Project End
1	RMAP1 - Kleinpeter Area Upgrades	03-RMP-S14	Monroe & Corie	Allen & LeBlanc	\$324,024	Complete	2/1/2008	7/14/2008	3/10/2009
2	Jefferson Highway-Hoo Shoo Too Road	07-AR-US-0049	DPW	Allen & LeBlanc	\$2,239,396	Complete	5/16/2007	6/27/2008	9/22/2009
3	Gurney Road - Joor Road	07-PS-BD-0017	Neel-Schaffer	Grady Crawford	\$1,396,347	Complete	1/18/2008	8/29/2008	10/2/2009
4	25th Street - North Acadian Thruway	09-GS-UF-0008	Hartman Engineering	TBA	\$ -	Design Complete	2/2/2009	-	3/4/2010
5	Staring Lane FM (Ph1-Burbank to Highland)	06-WC-CP-0036	Monroe & Corie	James Construction	\$4,615,500	Construction	1/11/2008	9/19/2008	9/1/2010
6	RMAP1 - PS136 Area Upgrades	99-RMP-S16	Sigma Consulting	Nottingham Construction	\$8,811,368	Construction	2/1/2008	10/24/2008	8/2/2010
7	RMAP1 - Industriplex Area Upgrades	99-RMP-S08	Forle & Tablada	BRH Garver	\$9,382,914	Construction	3/10/2008	10/31/2008	9/2/2010
8	Gardere Lane - Burbank Road	08-AR-UF-0003	CSRS, Inc.	Allen & LeBlanc	\$5,957,955	Construction	5/16/2007	11/14/2008	4/6/2010
9	SWWTP Immediate Action Projects	08-TD-BD-0031	CDM, MWH, URS Corp.	Brasfield & Gorrie	\$25,632,000	Construction	11/6/2006	12/12/2008	11/12/2010
10	Foster Road - Hooper Road	07-FM-BD-0046	PEC	Hemphill Construction	\$8,761,675	Construction	2/14/2008	1/9/2009	4/29/2010
11	Comile Drive - Foster Road (Ph1)	07-PS-BD-0019	Monroe & Corie	Hemphill Construction	\$1,921,037	Construction	3/3/2008	1/16/2009	4/1/2010
12	Sullivan Rd/Lovett Rd/Wax Rd	07-PS-BD-0018	Hartman Engineering	Don M. Barron Contractor	\$2,158,346	Construction	1/17/2008	1/16/2009	5/31/2010
13	Staring Lane - Boone Drive	08-AR-UF-0004	CSRS, Inc.	Grady Crawford	\$5,416,540	Construction	11/27/2007	1/23/2009	5/3/2010
14	Oak Villa Blvd - Choctaw Street	08-AR-UF-0005	CSRS, Inc.	Grady Crawford	\$8,997,369	Construction	4/14/2008	5/15/2009	9/7/2011
15	Comile Drive - Foster Road (Ph2)	02-CS-HC-0001 (GLP#)	Monroe & Corie	JB James Construction	\$895,957	Construction	6/23/2008	6/26/2009	12/10/2010
16	Scotland Avenue - Progress Road	09-AR-BD-0011	CSRS, Inc.	Magnolia Construction	\$9,207,594	Construction	9/9/2008	10/20/2009	4/12/2011
17	NWWTP Odor Control	07-WT-TP-0030	Env. Eng Svcs	SEMS, Inc.	\$2,279,038	Construction	6/29/2007	10/30/2009	7/19/2010
18	Elm Grove Garden Road - Harding Blvd	09-AR-BD-0012	CSRS, Inc.	Allen & LeBlanc	\$12,989,271	Construction	10/1/2008	10/30/2009	4/12/2011
19	Highland Road - Buchanan Street	08-GS-ST-0021	Burk-Kleinpeter/ Justice & Huang (a JV)	TBA	TBA	Design	3/13/2008	4/16/2010	5/2/2011
20	South Boulevard - St. Joseph Street	08-GS-ST-0018	Evans-Graves	TBA	TBA	Design	3/27/2008	4/9/2010	6/15/2012
21	Group Project 2 - Small Pump Stations	08-PS-IF-0046	ABMB Eng.	TBA	TBA	Design	3/10/2008	3/26/2010	6/13/2011
22	Sharp Road - Florida Blvd	09-AR-BD-0013	CSRS, Inc.	TBA	TBA	Design	1/15/2009	4/16/2010	1/27/2012
23	Capitol Lake Drive - Gayosa Street	07-PS-BD-0048	Shread-Kuykendall & Associates, Inc.	TBA	TBA	Design	1/14/2008	4/16/2010	11/17/2011
24	SWWTP Wet Weather Improvements (Ph1)	08-TP-BD-0033	CDM	TBA	TBA	Design	6/23/2008	3/26/2010	9/27/2012
25	Kenilworth Blvd - Boone Drive	09-AR-BD-0014	CSRS, Inc.	TBA	TBA	Design	3/26/2009	5/14/2010	9/29/2011
26	Foster Drive - Government Street	09-AR-BD-0015	CSRS, Inc.	TBA	TBA	Design	5/25/2009	5/7/2010	8/30/2011
27	Downtown Area - PS15,19, 59, 60	08-PS-ST-0056/57	Shaw Environmental & Infrastructure, Inc.	TBA	TBA	Design	3/24/2008	6/2/2010	9/21/2012
28	Highland Road - Burbank Drive	08-FM-ST-0023	GOTECH, Inc.	TBA	TBA	Design	3/31/2008	6/15/2010	8/29/2012
29	Citilplace/Essen Area - PS119/FM Improvements	08-FM-UF-0024	GSA Consulting Engineers, Inc.	TBA	TBA	Design	2/25/2008	5/18/2010	5/25/2011
30	Brookstown Road - Evangeline Street (Ph1)	TBA	CSRS, Inc.	TBA	TBA	Design	7/10/2009	6/25/2010	11/20/2012
31.A	Zachary Area Transmission Network (Ph1)	10-FM-IF-0002	SJB/Owen & White	TBA	TBA	Design	3/24/2008	6/23/2010	3/6/2013
31.B	Zachary Area Transmission Network (Ph2)	10-FM-IF-0003	SJB/Owen & White	TBA	TBA	Design	3/24/2008	8/18/2010	11/30/2012
31.C	Zachary Area Transmission Network (Ph3)	10-FM-IF-0004	SJB/Owen & White	TBA	TBA	Design	3/24/2008	7/28/2010	1/30/2013
31.D	Zachary Area Transmission Network (Ph4)	10-FM-IF-0005	SJB/Owen & White	TBA	TBA	Design	3/24/2008	7/28/2010	3/6/2013
32	Brookstown Road - Evangeline Street (Ph2)	TBA	CSRS, Inc.	TBA	TBA	Design	1/21/2010	8/13/2010	12/18/2012
33	Silverleaf Road - Ford Street	TBA	CSRS, Inc.	TBA	TBA	Design	10/26/2009	9/24/2010	2/13/2012
34	PS 58A Overflow Pump Station	09-PS-UF-0001	GEC	TBA	TBA	Design	1/5/2009	10/25/2010	8/31/2012
35	Group Project 1A	08-GS-UF-0053	URS Corp.	TBA	TBA	Design	3/10/2008	9/17/2010	2/6/2014
36	Choctaw Storage and PS Facility	09-PS-UF-0009	CDM	TBA	TBA	Design	4/14/2008	10/25/2010	12/12/2012
37	Perkins/Old Perkins Area - BPS514	09-PS-MS-0034	GEC	TBA	TBA	Design	4/24/2009	11/30/2010	3/27/2012
38	SWWTP Wet Weather Improve (Ph2)	08-TP-BD-0055	MWH	TBA	TBA	Design	10/14/2008	1/13/2011	6/17/2014
39	Hooper Storage	09-PS-UF-0007	TRC Engineers	TBA	TBA	Design	1/19/2009	10/4/2010	5/23/2012
40	Central Pump Station - PS 42	09-PS-UF-0003	MWH	TBA	TBA	Design	10/21/2008	12/12/2010	10/1/2012
41	Central Consolidated Pump Stations	09-PS-MS-0035	Burk Kleinpeter / J/G	TBA	TBA	Design	11/7/2008	1/28/2011	11/22/2012
42	Group Project 1B	08-PS-UF-0054	Evans-Graves / Burk Kleinpeter	TBA	TBA	Design	3/10/2008	2/17/2011	6/21/2013
43	Central Consolidation- PS42 FM	09-FM-MS-0036	SJB/Owen & White	TBA	TBA	Design	11/7/2008	1/21/2011	11/30/2012
44	Central Consolidation FM (2,3,5,7,10)	09-FM-MS-0033	Shread-Kuykendall & Associates, Inc.	TBA	TBA	Design	11/7/2008	2/21/2011	12/19/2012
45	Staring Lane FM (Ph2-Highland-Perkins)	06-WC-CP-0036	Monroe & Corie	TBA	TBA	Design	4/8/2008	8/13/2010	12/28/2012
46	Government St - S. Acadian Thruway	09-GS-MS-0043	GSA Consulting Engineers, Inc.	TBA	TBA	Design	8/28/2009	3/28/2011	8/20/2013
47	Plank Road - Kleinpeter Road	09-GS-UF-0028	Forle & Tablada	TBA	TBA	Design	3/23/2009	2/7/2011	7/21/2013
48	Multiple PS - Nicholson Dr - Brightside Dr	09-PS-MS-0048	Arcadis U.S., Inc.	TBA	TBA	Design	9/14/2009	4/8/2011	9/2/2013
49	Multiple PS - Jefferson Hwy - Park Forest Dr	09-PS-MS-0046	CSRS, Inc.	TBA	TBA	Design	6/8/2009	1/17/2011	11/28/2012
50	Staring Lane FM (Ph3-Perkins to PS58)	06-WC-CP-0036	Monroe & Corie	TBA	TBA	Design	4/30/2009	6/7/2011	6/28/2013
51	Bayou Duplantier Area Sewer Upgrades	09-GS-MS-0042	Neel-Schaffer	TBA	TBA	Design	8/31/2009	6/3/2011	10/7/2013
52	Nicholson Dr - Highland Rd - Perkins Rd	09-GS-MS-0047	Buchart - Horn	TBA	TBA	Design	6/29/2009	2/24/2011	7/19/2013
53	O'Neal Lane Pipeline Projects	10-FM-MS-0008	URS Corp.	TBA	TBA	Design	9/29/2009	9/9/2011	1/8/2014
54	Airline Highway Pipeline Projects	10-GS-MS-0007	ABMB Eng.	TBA	TBA	Design	11/30/2009	7/26/2011	10/2/2013
55	Multiple PS - Highland Rd - Kenilworth Parkway	10-PS-MS-0009	AECOM	TBA	TBA	Design	11/9/2009	8/2/2011	4/25/2014
56	Bluebonnet Blvd - Jefferson Hwy	TBA	CSRS, Inc.	TBA	TBA	Design	2/28/2010	12/10/2010	4/19/2012





IN THE SPOTLIGHT



Improvements to the South Wastewater Treatment Plant (SWWTP)

Approximately \$234M is budgeted for three major improvement projects at the SWWTP.

1) SWWTP Immediate Action Projects (IAP) - Project Overview

The purpose of the IAPs is to bring the plant into compliance with discharge limits. The IAPs are currently under construction and include:

- Repairing or replacing primary clarifier mechanisms
- Replacing sludge pumps
- Replacing inlet plug valves on clarifiers
- New trickling filter influent pump stations
- New electrical building
- Effluent pump station improvements
- Rehabilitate gravity thickeners
- Final settling tank sludge withdrawal
- Major yard piping improvements
- Snail screen improvements



SWWTP: 2850 Gardere Lane, Baton Rouge



Construction of yard pipe at the SWWTP will convey wastewater throughout the plant.



Design of the SWWTP Projects started in November 2008. All three projects are scheduled to be completed by June 2014.

2) SWWTP Wet Weather Improvements Phase 1 - Project Overview

Phase I project involves upgrading equipment within the facility to handle wet weather flows up to 366 million gallons per day (mgd).

Facility improvements include:

- Modifying existing gravity pump station
- New raw sewage/equalization pump station and forcemain
- New covered storage tanks for 200 mgd flows
- New 200 mgd headworks
- New electrical substation, yard piping, site work, and demolition

3) SWWTP Wet Weather Improvements Phase 2 - Project Overview

Phase 2 involves wet weather improvements within the treatment process, including:

- Solids upgrades
- Four additional clarifiers
- Conversion of disinfection; elimination of chlorine
- New effluent pump station and parallel effluent pipeline
- Odor control
- Yard piping, site work, and demolition



The above map shows the three phases of projects planned for the SWWTP under the SSO Program. Once complete, the plant's wet weather treatment capacity will be expanded to accommodate the predicted peak flow of 200 mgd after peak shaving storage and to accommodate wet weather flows from the Central WWTP, which will be consolidated with the SWWTP.

As of February 2010, the IAP is 40% complete with construction. Phase 1 will advertise for construction bids in late 1st quarter 2010. Phase 2 is expected to advertise for construction bids in 1st quarter 2011.

Looking Ahead...

Projects that Advertised for Construction Contractors:

- **South Capacity Group Project 2:** This project involves replacing pump stations PS182, PS223, PS278, PS327, PS353, PS372, and PS365. A mandatory pre-bid meeting will be April 13 with bids due to the DPW on April 27.
- **SWWTP Wet Weather Improvements (Phase 1):** This project involves wet weather storage, influent pumping, and preliminary treatment at the SWWTP. Construction will include: modifying the existing gravity pump station, new raw sewage/equalization pump station and forcemain, new covered storage for 200 mgd flows, new 200 mgd headworks, new electrical substation, yard piping, site work and demolition. A mandatory pre-bid meeting will be April 27 with bids due to the DPW on May 18.

Upcoming Projects that will Advertise for Construction:

- **Sharp Road – Florida Blvd:** 2nd quarter 2010
This project includes the rehabilitation of the sewer collection system is a comprehensive physical process that begins with cleaning and inspection of sewer pipes and manholes. Typical rehabilitation repairs include pipe and manhole replacement and trenchless technologies that minimize above ground disturbances, such as cured-in-place pipe liners.
- **Highland Road – Buchanan Street:** 2nd quarter 2010
The purpose of this project is to upgrade gravity sewers upstream of PS1, PS2, and PS5 to alleviate SSOs in the Central Gravity South Basin. Specifically the project will include 8,390 linear feet of 10-inch, 12-inch and 15-inch forcemain improvements and 4,465 linear feet of 10-inch to 42-inch gravity main improvements.
- **South Boulevard – St. Joseph Street:** 2nd quarter 2010
The purpose of this project is to increase the capacity of the gravity sewers upstream PS59 and PS60.
- **Capital Lake Drive – Gayosa Street:** 2nd quarter 2010
The purpose of this project is to re-route flow from PS15 and PS19 to directly pump through a common forcemain and manifold with the forcemain from to PS60 to increase the capacity of the system.

For detailed information on these projects, please visit the website at http://www.brprojects.com/sewer/pages/contractor_calendar.htm



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FEBRUARY 2010

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