



BATON ROUGE SSO PROGRAM PROGRESS REPORT

FEBRUARY 2009



Prepared for
City of Baton Rouge/
East Baton Rouge Parish
Department of Public Works

Prepared by
CH2MHILL

In association with
SIGMA Consulting Group, Inc.

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 2009, there are a total of 39 projects in design and/or under construction:

Quantity	Status	Construction Value
25	Projects under design (PDP Construction Value = \$498,918,720)	\$ 498,918,720
14	Projects under or near construction	\$ 81,882,656

Continued coordination with DPW, C-P Purchasing Department and Metro Council has helped to streamline processes for selection and approval of design consultants and construction contractors.

As of February 2009, a total of 51 construction bids were received on 10 projects. Of those, 40 construction contractors, or 78%, are located within the State of Louisiana.

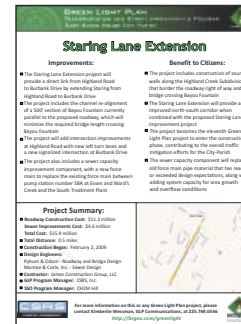
Of the construction projects bid to-date, the C-P has realized a cost savings of over \$24.8M, based on engineering estimates compared to actual construction bids.



Successful Program Management requires comprehensive planning so that each project is delivered on time, to budget and to specification



IN THE SPOTLIGHT



The Staring Lane Forcemain project started construction on February 2, 2009. East Baton Rouge Parish Mayor-President Kip Holden, along with other Baton Rouge leaders, officially broke ground on this SSO project that is being constructed simultaneously with the Green Light Plan's Staring Lane Extension

road project. This coordinated effort between the two programs will potentially save the city and taxpayers millions of dollars.

This phase of the project involves installing a new forcemain from Burbank Drive to Highland Road. Once completed, the new forcemain will add system capacity for area growth and overflow conditions.

Construction on this phase is scheduled to finish February 2010.



Mayor-President Kip Holden addresses the public at the ground breaking ceremony for the Staring Lane roadwork and sewer capacity improvement project on February 5, 2009.

This is the first partnership project with Program Managers CSRS, Inc. and CH2M HILL.

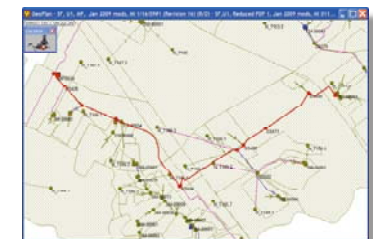
Photos by David Humphreys Photography 2008

TECHNOLOGY FOCUS

Sewer Capacity Improvement projects are designed to serve new and growing communities. When completed, the SSO Program will increase the capacity in the C-P to serve up to 500,000 people.

Capacity improvement projects will reduce hydraulic bottlenecks in the system and convey wet weather flows to the wastewater treatment plants. These projects involve the installation of larger pipes to increase conveyance capacity, as well as the replacement of approximately 150 pump stations to convey existing and future wet weather peak flows.

Capacity improvement projects were determined based on information obtained from a computerized model of the City of Baton Rouge/East Baton Rouge Parish sewer system. The calibrated model was run using the storm event outlined in the Consent Decree, and sanitary sewer overflows (SSOs) at both existing and future peak wet weather flows were determined from the model runs. If an SSO occurred in both the model and in the real world, capacity in either the nearby pipelines, pump stations, or both was increased so that the SSO would no longer occur in the model.



The figure is an example of a computerized model network.



SCHEDULE

#	Project Name	DPW Project #	Design Consultant	Construction Contractor	Value	Phase	Project Start	Construction Start	Project End
1	Jefferson Highway-Hoo Shoo Too	07-AR-US-0049	DPW	Allen & LeBlanc	\$ 2,239,396	Construction	May-07	Jun-08	Sep-09
2	Staring Lane Extension (Ph I)	06-WC-CP-0036	Monroe & Corie	James Const.	\$ 4,615,500	Construction	Jan-08	Sep-08	Aug-10
3	Gurney Road - Joor Road	07-PS-BD-0017	Neel-Schaffer	Grady Crawford	\$ 1,396,347	Construction	Jan-08	Aug-08	Oct-09
4	RMAP1 - Kleinpeter Area Upgrades	03-RMP-S14	Monroe & Corie	Allen & LeBlanc	\$ 324,024	Construction	Feb-08	Jul-08	Mar-09
5	RMAP1 - PS136 Area Upgrades	99-RMP-S16	Sigma Consulting	Nottingham Const.	\$ 8,811,368	Construction	Feb-08	Oct-08	May-10
6	Immedate Action Projects	06-WT-TP-0060	CDMMWH/URS	Brasfield & Gorrie	\$ 25,632,000	Construction	Nov-06	Dec-08	Aug-10
7	Gardere Lane - Burbank Road	08-AR-UF-0003	CSRS, Inc.	Allen & LeBlanc	\$ 5,957,955	Construction	May-07	Nov-08	Mar-10
8	NWWTP Odor Control	07-WT-TP-0058	Env. Eng Svcs	TBA	\$ 2,756,120	Construction	Jun-07	Mar-09	Feb-10
9	Staring Lane - Boone Drive	08-AR-UF-0004	CSRS, Inc.	TBA	\$ 5,426,575	Construction	Nov-07	Jan-09	May-10
10	Multiple PS - Lovett Road Area	07-PS-BD-0018	Hartman Engineering	Don M. Barron Cont.	\$ 2,158,346	Construction	Jan-08	Jan-09	Feb-10
11	Foster Road - Hooper Road	07-FM-BD-0046	PEC	Hemphill Const.	\$ 8,761,675	Construction	Feb-08	Jan-09	May-10
12	Comite Drive - Foster Road (Ph I)	07-PS-BD-0019	Monroe & Corie	Hemphill Const.	\$ 1,921,037	Construction	Mar-08	Jan-09	Jan-10
13	RMAP1 - Industriplex Area Upgrades	99-RMP-S08	Forte & Tablada	BRH Garver	\$ 9,382,314	Construction	Mar-08	Oct-08	May-10
14	Comite Drive - Foster Road (Ph II)	-	Monroe & Corie	TBA	\$ 2,500,000	Construction	Jul-08	Feb-09	Jan-11
15	Capitol Lake - Gayosa Drive	07-PS-BD-0048	Shread-Kuyrkendall	TBA	\$ 2,910,000	Design	Jan-08	Aug-09	Dec-10
16	Citiplace/Essen Lane Area - PS119	08-FM-UF-0024	GSA Consulting	TBA	\$ 3,310,000	Design	Feb-08	Jul-09	Apr-11
17	North Capacity Group Project 1A	08-GS-UF-0053	URS Corp.	TBA	\$ 39,670,000	Design	Mar-08	Oct-10	Mar-14
18	North Capacity Group Project 1B	08-PS-UF-0054	Evans-Graves/Burk Kleinpeter	TBA	\$ 15,400,000	Design	Mar-08	Oct-10	Mar-12
19	Highland Road - Buchanan Street	08-GS-ST-0021	Burk-Kleinpeter/Justice&Huang	TBA	\$ 3,310,000	Design	Mar-08	Jul-09	Oct-10
20	South Capacity Group Project 2	08-PS-IF-0046	ABMB Eng.	TBA	\$ 6,660,000	Design	Mar-08	Feb-10	Jun-11
21	Downtown Area - PS15,19, 60, 59	08-FM-ST-0057	Shaw Environ.	TBA	\$ 11,970,000	Design	Mar-08	Dec-09	Oct-11
22	Zachary Area Transmission Network	06-WC-IF-0014	SJB/Owen & White	TBA	\$ 65,600,000	Design	Mar-08	Sep-10	Sep-13
23	South Boulevard - St. Joseph Street	08-GS-ST-0018	Evans-Graves	TBA	\$ 5,090,000	Design	Mar-08	Sep-09	Jun-11
24	Highland Road - Burbank Drive	08-FM-ST-0023	GOTECH, Inc.	TBA	\$ 15,500,000	Design	Mar-08	Sep-09	Feb-12
25	Staring Lane - PS58 Improvements (Ph II)	TBA	Monroe & Corie	TBA	\$ 14,800,000	Design	Apr-08	Feb-10	Jun-12
26	Oak Villa Blvd - Choctaw Street	08-AR-UF-0005	CSRS, Inc.	TBA	\$ 6,918,000	Design	Apr-08	Apr-09	Aug-10
27	Choctaw Storage and PS Facility	TBA	CDM	TBA	\$ 58,018,720	Design	Apr-08	Oct-09	Jul-12
28	SWWTP Wet Weather Improve (Ph I)	08-TP-BD-0033	CDM	TBA	\$ 101,700,000	Design	Jun-08	Nov-09	Sep-12
29	Scotland Avenue - Progress Road	TBA	CSRS, Inc.	TBA	\$ 9,158,000	Design	Sep-08	Jul-09	Oct-10
30	Elm Grove Garden- Harding Blvd	TBA	CSRS, Inc.	TBA	\$ 10,618,000	Design	Oct-08	Sep-09	Dec-10
31	SWWTP Wet Weather Improve (Ph II)	TBA	TBA	TBA	\$ 51,700,000	Design	Oct-08	Oct-10	Feb-14
32	Central Pump Station - PS 42	09-PS-UF-0003	MWH	TBA	\$ 7,790,000	Design	Oct-08	Mar-10	Jul-11
33	Central Consolidation - East PS	TBA	TBA	TBA	\$ 17,400,000	Design	Nov-08	May-10	Mar-13
34	Central Consolidation - East FM	TBA	TBA	TBA	\$ 7,690,000	Design	Nov-08	Jun-10	Oct-12
35	Central Consolidation- PS42 FM	TBA	TBA	TBA	\$ 18,870,000	Design	Nov-08	Jun-10	Oct-12
36	Hooper Storage	09-PS-UF-0007	TBA	TBA	\$ 18,400,000	Design	Jan-09	Jun-10	Jan-12
37	25th Street - North Acadian Thruway	09-GS-UF-0008	TBA	TBA	\$ 5,200,000	Design	Feb-09	Jun-10	Mar-12
38	Kenilworth Drive - Boone Drive	TBA	CSRS, Inc.	TBA	\$ 6,688,000	Design	Mar-09	Jan-10	May-11
39	Pump Station 58A Overflow	09-PS-UF-0001	GEC	TBA	\$ 12,400,000	Design	Apr-09	Aug-10	Jul-13



CONSTRUCTION PROJECTS

Summaries of the 9 projects that will soon begin construction are:

Immediate Action Projects (combined): Treatment process improvements will be made at the SWWTP to bring the plant into compliance with the discharge permit. Metro council approved the Construction Contract on February 11, 2009.

Comite Drive – Foster Road (Phase I): Three pump stations will be replaced as well as 2,000 linear feet of gravity pipe. Metro council approved the Construction Contract on February 25, 2009.

Foster Road – Hooper Road: The pipe capacity will be increased and includes approximately 32,000 feet of pipe. Metro council approved the Construction Contract on February 25, 2009.

Multiple PS – Lovett Road Area: Three pump stations and a portion of the gravity main upstream will be replaced to alleviate SSOs. Metro council approved the Construction Contract on February 25, 2009.

Gardere Lane – Burbank Road: Approximately 200,500 linear feet of pipe and 787 manholes will be cleaned, inspected and rehabilitated. Construction Notice to Proceed to be issued March 2, 2009.

RMAP1 – Industriplex: Six pump stations will be demolished and replaced with a new single pump station and 16" forcemain. Construction Notice to Proceed early April 2009.

Staring Lane – Boone Drive: Approximately 148,000 linear feet of pipe and 657 manholes will be cleaned, inspected and rehabilitated. Construction bid opening scheduled for March 3, 2009.

Comite Drive – Foster Road (Phase II): This portion of the project (Phase II) will be constructed with the Green Light Plan. Project will advertise for construction bids in late March 2009.

NWWTP Odor Control: The project will address odor problems in the collection system and will result in a reduction in odor at the receiving treatment plant. Project will advertise for construction bids late March 2009.

CONSTRUCTION PROJECTS



5 projects are under construction, and are described below:

Jefferson Highway-Hoo Shoo Too Road: Rehabilitation of the gravity collection system, including approximately 117,110 linear feet of pipe and 553 manholes. Construction continues in the Barrett Lane area. As of February, 2009 project is 60% complete.



Bedding material is being installed along the forcemain in the Gurney Road – Joor Road project.



Rough grading an existing swale after pipeline installation along the Gurney Road – Joor Road project area.



Preparations being made to join two sections of polyethylene pipe in the Kleinpeter Area.

RMAP1-Kleinpeter Area

Upgrades: Conducting capacity upgrades to two pump stations, including 2,000 linear feet of new 4-inch forcemain. As of February 2009, project is 90% complete.

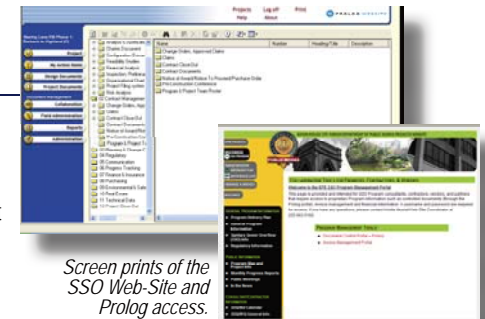
Gurney Road – Joor Road: Upsizing a pump station to meet future peak wet weather flows and alleviate SSOs. As of February 2009, project is 20% complete.

Staring Lane Forcemain-PS58 Phase I: A new forcemain will be installed. Phase I of the project is in the Burbank Road – Highland Road area. See project spotlight for additional details. Construction started on February 2, 2009.

RMAP1 – PS136: Nine existing pump stations will be demolished and replaced with a new pump station, 2,000 feet of forcemain, 12,500 linear feet of gravity pipe. Construction Notice to Proceed issued February 23, 2009.

IT'S TOPICAL

Document control is a critical quality process for any project, but especially for one the size of the BTR SSO (\$1.2B) program. Currently Prolog® Manager, a document management application that automates all aspects of the construction lifecycle, from project design to close out is being used as the SSO document control mechanism.



Screen prints of the SSO Web-Site and Prolog access.

As the Program enters into the construction phase, it has become necessary to implement a Prolog® collaboration tool for Consultants and Contractors to enter secure submittals and requests for information. This tool provides a secure tracking system, streamlined review process, revision tracking, master file storage, and report generation in one central electronic database, secured by a private username and password.

Looking Ahead...

Design

Statement of Qualifications (SOQs) Due

- Hooper Storage: March 5, 2009
- 25th Street – North Acadian Thruway: March 5, 2009

Consultant Selection

- Hooper Storage: March 19, 2009
- 25th Street – North Acadian Thruway: March 19, 2009

Advertise Request for Qualifications (RFQs)

- SWWTP – Wet Weather Improvements (Ph III): March 2009
- Plank Road – Kleinpeter Road: March 2009
- Central Consolidation – East Forcemain: April 2009
- Central Consolidation – PS42 Forcemain: April 2009
- Central Consolidation – East PS: April 2009
- Perkins Road – Dahlia Street: April 2009

Construction:

Construction Begins

- Foster Road – Hooper Road: March 2009 (360 days construction)
- Multiple PS – Lovett Road Area: March 2009 (300 days construction)
- Comite Drive – Foster Road Phase I: March 2009 (270 days construction)
- Gardere Lane – Burbank Road: March 2009
- RMAP1 – Industriplex: April 2009
- Immediate Action Projects combined: April 2009

Bids Opening

- Staring Lane – Boone Drive : March 3, 2009

Advertise for Bids

- Comite Drive – Foster Road Phase II: March 2009
- North WWTP Odor Control: March 2009
- Oak Villa Blvd. – Choctaw Street: April 2009

For detailed information on the projects above,
please visit the web-site at

http://www.brprojects.com/sewer/pages/contractor_calendar.htm



BATON ROUGE SSO PROGRAM PROCESS REPORT

FEBRUARY 2009

300 North Boulevard, Room 208

Baton Rouge, LA 70802

(225) 389-3158

DPW@brgov.com