

BATON ROUGE SSO PROGRAM PROGRESS REPORT

MARCH 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 significant pace of the Baton Rouge Sanitary Sewer Overflow (SSO) Program continued as spring approached with 40 projects, or 42%, in design or construction including:

- 6 projects under construction (Construction bids valued at \$23,344,589)
- 9 projects near construction (Estimated construction cost is \$69,739,067)
- 25 projects under design (Estimated construction cost is \$501,118,720)

Approximately 16 additional projects are scheduled to start the design phase in 2009, for a total of 55 working SSO projects being implemented through 2009 (more than 50% of the total SSO Program projects).

Maximizing Use of Local Consultants

The SSO Program continues to encourage the use of and engage local consultants. More than 54 contracts are in place with local prime consultants and contractors including 3 CCTV Contractors, 8 Construction Contractors and 22 Design Consultants.

Each of these consultants and contractors in effect contract their own sub-consultants, resulting in an even greater positive impact to the City of Baton Rouge/East Baton Rouge revenue structure.

As of March, 2009, a total of 57 construction bids were received for 12 different projects. Of these, 44 construction contractors, or 77%, are based in the State of Louisiana.

Committed to Keeping the City-Parish Credit Worthy

On March 10th, the East Baton Rouge Sewerage Commission (EBROSCO) presented an overall status of the SSO Program to three credit rating agencies: Moody's, Standard & Poor's and Fitch. All three agencies have deemed the EBROSCO as a good credit risk. Standard & Poor's raised it's underlying rating from an 'A+' to 'AA-' due to the strength of the system. Fitch rated EBROSCO also as an 'AA-' and Moody's rating was an 'A1'. Although each agency rates differently, all three credit ratings are positive.

Making Communication with the Community a Priority

Two informational meetings were held with the public in March to discuss projects in specific community neighborhoods and address questions from the public. Meetings were held for the Garden District Civic Association and residents in the Bocage Area. Topics discussed included the timeframes of construction projects, what to expect with

construction, and specific project details including how SSOs will be alleviated in those areas.

IN THE SPOTLIGHT

At the end of March 2009, the RMAP1-Kleinpeter Area Upgrade project was 95% complete. This project is located in the Santa Maria/Country Club of Louisiana area near Interstate 10 and Highland Road. Pump stations 382 had capacity upgrades and approximately 2,000 linear feet of new 6-inch forcemain was constructed.

Once Entergy completes the electrical tie-in, the pump station will be put through an operational test and put into service. By increasing the forcemain size from 4" to 6", this pump station will have approximately 40% increase in pumping capacity.

Out of the 95 SSO Projects, this is the first capacity upgrade project to finish!

Horizontal Directional Drilling (HDD) in the Kleinpeter Area



Using tracer wire to install HDPE Pipe

TECHNOLOGY FOCUS

Horizontal Directional Drilling (HDD) is a steerable, trenchless method of vertically installing underground sewer pipes in a shallow arc along a determined bore path by using a surface launched drilling rig.

There are many benefits to HDD including:

- In some cases, vertical excavation of sewer lines is not practical, such as under a lake
- HDD requires less area disturbance than traditional digging method, thereby:
 - Reducing environmental impacts, reducing traffic disruptions
 - HDD can be done in a variety of soil conditions and projects including roadways, congested areas, landscapes, and river crossings
- Lengthy installations (up to 6,500 linear feet) and large diameter pipes (up to 56 inches) can be installed in shorter runs, resulting in cost savings



Tracer wire is used to determine the drilling path from above ground



Directional drilling requires less area disturbances

Before drilling begins, a well path is planned by engineers and geologists. When drilling starts, periodic surveys are taken with a downhole camera to ensure the bore is on the path. Pictures are typically taken at intervals between 30 to 500 feet and at critical angles or direction changes. Such pictures, or surveys, are maintained as part of the record describing the well bore data.

HDD is a three stage process. First a pilot hole is drilled on the designed path. Secondly, the hole is enlarged with a back reamer. The third stage places the casing pipe in the enlarged hole. The directional control capabilities assist the rig operator in making necessary changes in the directions of the drilling head along the path.

The Kleinpeter Area Upgrades project used the HDD method in the construction.





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 (PhI)	06-WC-CP-0036	Monroe & Corie	James Construction	\$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	Apr-09
5	RMAP1 - PS136 Area Upgrades	99-RMP-S16	Sigma Consulting	Nottingham Construction	\$8,811,368	Construction	Feb-08	Oct-08	May-10
6	Immediate Action Projects	06-WT-TP-0060	CDM / MWH / URS Corp.	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	Apr-10
8	NWWTP Odor Control	07-WT-TP-0030	Environmental Engineering Svcs	TBA	\$2,756,120	Construction	Jun-07	Apr-09	Mar-10
9	Staring Lane - Boone Drive	08-AR-UF-0004	CSRS, Inc.	Grady Crawford	\$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, Contractor	\$2,158,346	Construction	Jan-08	Jan-09	Feb-10
11	Foster Road - Hooper Road	07-FM-BD-0046	PEC	Hemphill Construction	\$8,761,675	Construction	Feb-08	Jan-09	Jun-10
12	Comite Drive - Foster Road (PhI)	07-PS-BD-0019	Monroe & Corie	Hemphill Construction	\$1,921,037	Construction	Mar-08	Jan-09	Feb-10
13	RMAP1 - Industriplex Area Upgrades	99-RMP-S08	Forte & Tablada	BRH Garver	\$9,382,314	Construction	Mar-08	Oct-08	Jan-10
14	Comite Drive - Foster Road (PhII)	-	Monroe & Corie	TBA	\$2,500,000	Construction	Jun-08	Apr-09	May-10
15	Capitol Lake - Gayosa Drive	07-PS-BD-0048	Shread-Kuykendall	TBA	\$2,910,000	Construction	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	Aug-09	May-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	\$3,350,000	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-PS-ST-0057	Shaw Environ.	TBA	\$11,970,000	Design	Mar-08	Jan-10	Oct-11
22	Zachary Area Transmission Network	06-WC-IF-0014	SJB/Owen & White	TBA	\$65,600,000	Design	Mar-08	May-10	Apr-13
23	South Boulevard - St. Joseph Street	08-GS-ST-0018	Evans-Graves	TBA	\$5,090,000	Design	Mar-08	Sep-09	Jul-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 (PhII)	06-WC-CP-0036	Monroe & Corie	TBA	\$14,800,000	Design	Apr-08	Mar-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	09-PS-UF-0009	CDM	TBA	\$58,018,720	Design	Apr-08	May-10	Aug-12
28	SWWTP Wet Weather Improve (PhI)	08-TP-BD-0033	CDM	TBA	\$101,700,000	Design	Jun-08	Nov-09	Sep-12
29	Scotland Avenue - Progress Road	09-AR-BD-0011	CSRS, Inc.	TBA	\$9,158,000	Design	Sep-08	Jul-09	Nov-10
30	Elm Grove Garden- Harding Blvd	09-AR-BD-0012	CSRS, Inc.	TBA	\$10,618,000	Design	Oct-08	Oct-09	Feb-11
31	SWWTP Wet Weather Improve (PhII)	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	Apr-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	TRC Engineers, Inc.	TBA	\$18,400,000	Design	Jan-09	Jun-10	Jan-12
37	25th Street - North Acadian Thruway	09-GS-UF-0008	Hartman Engineering	TBA	\$5,200,000	Design	Feb-09	Jun-10	Mar-12
38	Kenilworth Drive - Boone Drive	09-AR-BD-0014	CSRS, Inc.	TBA	\$6,688,000	Design	Mar-09	Jan-10	May-11
39	Pump Station 58A Overflow	09-PS-UF-0001	GEC, Inc.	TBA	\$12,400,000	Design	Jan-09	Jul-10	Jun-13
40	Plank Road - Kleinpeter Road	TBA	TBA	TBA	\$8,820,000	Design	Mar-09	Apr-11	Aug-13

ADVERTISED FOR CONSTRUCTION

Summaries of the nine projects that were recently advertised or will be advertised for construction soon are:

Immediate Action Projects (combined): Primary treatment, trickling filter, and sludge handling improvements to the South Wastewater Treatment Plant. Construction Notice to Proceed expected in early April 2009.

Multiple PS – Lovett Road Area: Three pump stations and a portion of the gravity main upstream will be replaced to alleviate SSOs. Construction Notice to Proceed expected in early April 2009.

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

Comite Drive – Foster Road (Phase I): Three pump stations will be replaced as well as 2,000 linear feet of gravity pipe. Construction Notice to Proceed expected in mid-April 2009.

Foster Road – Hooper Road: Pipe capacity will be increased and includes approximately 32,000 feet of pipe. Construction Notice to Proceed expected in mid-April 2009.

Staring Lane – Boone Drive: Approximately 148,000 linear feet of pipe and 657 manholes have been cleaned, inspected, and rehabilitated. Construction Notice to Proceed for pipe repairs expected in mid-April 2009.

Comite Drive – Foster Road (Phase II): This portion of the project (Phase II) will be constructed with the Green Light Program. Project is planned to advertise for construction bids in April 2009.

North WWTP Odor Control: The project will address odor problems at the NWWTP. Project is planned to advertise for construction bids in April 2009.

Oak Villa Blvd – Choctaw Street: Approximately 247,000 linear feet of pipe and 990 manholes have been cleaned, inspected and rehabilitated. Project is planned to advertise for construction bids mid-April 2009.

CONSTRUCTION



Six projects are under construction, and are described as follows:

RMAP1-Kleinpeter Area Upgrades: Conducting capacity upgrades to two pump stations, including 2,000 linear feet of new 4-inch forcemain. As of March 2009, the project is 95% complete.

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 March 2009, the project is 75% complete.

Gurney Road – Joor Road: Upsizing a pump station and forcemains to meet future peak wet weather flows and alleviate SSOs. As of March 2009, the project is 35% complete.

RMAP1 – PS136: Nine existing pump stations will be demolished and replaced with a new pump station, 2,000 feet of forcemain, and 12,500 linear feet of gravity pipe. As of March 2009, the project is 5% 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. As of March 2009, the project is 5% complete.

Gardere Lane – Burbank Road:

Approximately 200,500 linear feet of pipe and 787 manholes will be cleaned, inspected, and rehabilitated. As of March 2009, the project is 1% complete.



Construction continues in the Jefferson/Hoo Shoo Too Area



Announcing Sewer Upgrades in Gurney Road/Joor Road Area

IT'S TOPICAL

What is a bond rating?

It's an evaluation of a bond issuer, by a credit rating agency, to help investors understand the relative credit risk of an investment. It is based on an analysis of financial condition and the ability to meet current and future obligations.

So when you hear a report about a governmental entity's bond ratings, you are really hearing information about the credit quality of the issuer. When a governmental entity has a poor bond rating, they present a credit risk to the bond market, banks, and/or investors. As an investor, you can lend the governmental entity money by purchasing their bonds, but as a creditor of that same governmental entity you are assuming a risk of repayment.

Currently there are three credit agencies that set the standards for bond quality ratings - Moody's, Standard and Poor's, and Fitch Ratings. Bond ratings start at AAA (being the highest investment quality) and usually end at D (in payment default).

The East Baton Rouge Sewerage Commission (EBROSCO) received high ratings by all three credit agencies, EBROSCO sells bonds to finance the SSO Program. To read the actual credit results, visit the SSO Program Website at: www.brprojects.com

Looking Ahead...

Design

Statement of Qualifications (SOQs) Due to DPW, Room 409

- SWWTP Wet Weather Improvements, Phase II: April 16, 4:00PM
- Plank Road/Kleinpeter Road Capacity Upgrades: April 16, 4:00PM

Project Informational Meetings held at DPW, Room 415

- SWWTP Wet Weather Improvements, Phase II: April 23, 4:15PM
- Plank Road/Kleinpeter Road Capacity Upgrades: April 23, 4:15PM

Consultant Selection Board will meet at DPW, Room 415

- SWWTP Wet Weather Improvements, Phase II: April 30, 4:15PM
- Plank Road/Kleinpeter Road Capacity Upgrades: April 30, 4:15PM

Advertise Request for Qualifications (RFQs)

- Central Consolidation – East Forcemain: May 2009
- Central Consolidation – PS42 Forcemain: May 2009
- Central Consolidation – East PS: May 2009
- Perkins Road/Dahlia Street: May 2009

Construction:

Notices to Proceed

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

Advertise for Bids

- Comite Drive – Foster Road Phase II: April 2009
- North WWTP Odor Control: April 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



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