

BATON ROUGE SSO PROGRAM PROGRESS REPORT JUNE 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 Sanitary Sewer Overflow (SSO) Program provides cost-effective solutions for controlling sewer overflows in the City of Baton Rouge/East Baton Rouge Parish (C-P) collection system. The SSO Program also provides the C-P with an increased ability to protect public health, provides capacity for future growth, and includes a long-term maintenance program that will protect current and future investments in sewer infrastructure.

This year, the SSO Program Team and the Department of Public Works have kept pace with an aggressive Program schedule and are currently implementing 74 percent of the 82 Program projects. As of June 2010, 61 capacity improvement and rehabilitation projects are complete, under construction, or under design - just 42 projects were active at the same time last year.

Status	June 2009		June 2010	
	Quantity	Cost (in millions)	Quantity	Cost (in millions)
Projects Closed	0	\$0	6	\$11
Projects Under or Near Construction	15	\$90	20	\$309
Projects Under Design	27	\$520	35	\$483
Total	42	\$610	61	\$803

By December 31, 2014, the SSO Program Team will have inspected, cleaned, and rehabilitated approximately 5 million feet of gravity sewer pipe throughout the C-P. Capacity upgrades will have been made to approximately 350,000 feet of gravity sewer, 670,000 feet of forcemain and 140 pump stations. Additionally, modifications to the South Wastewater Treatment Plant (SWWTP) will enable it to accommodate 366 million gallons per day of wet weather flow facilitating the closure of the Central WWTP. The C-P will be capable of storing 70 million gallons of wet weather flow at various locations within its sewer collection system.

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



WHAT TO EXPECT DURING CONSTRUCTION

From time to time, sidewalk, lane, or street closures may be necessary during projects to protect your safety. Workers will not need to enter your home, but they may need access to your property to replace or rehabilitate pipe. Work crews will make every attempt to minimize disturbances to you by using less-invasive construction techniques, such as using directional drilling machines to install portions of the pipe. The SSO Program and the Department of Public Works are fully committed to keeping you informed of construction activities and minimizing any inconvenience. Residents can expect the following activities during most SSO capacity-improvement construction projects:

- Construction crews will be crossing yards, driveways, walkways, and streets
- There will be increased truck traffic and potential lane closures
- You may hear noise from machinery operating in your area. Also, workers may need to operate pumps at night to remove excess water from sites, but every effort will be made to minimize evening noise.
- We may require access to manholes or other sewer facilities on your property, but we will never need to enter your home. A crew member with proper identification will knock on your door and let you know if we need to access your property.
- If you have a fence, building, or other obstruction in the public right-of-way (servitude), you may have to remove it temporarily until the work is completed.
- Service laterals (your private sewer line) may be inspected up to your property line, and a cleanout may be installed at the property line.
- If you have dogs or other pets in your yard, we would appreciate it if you would confine them while our construction crews are working in your area.
- If repairs involve digging, property will be restored in a timely fashion once the work is completed.
- Your safety is our concern. Always avoid construction and excavation sites.

We appreciate your patience as we upgrade our sewer system. If you have any questions or concerns, please contact the SSO Program Public Information Officer at (225) 588-5678 or email help@BRprojects.com.

Si usted tiene cualquier pregunta, favor de llamar al Coordinador de Información Comunitaria al (225) 588-5678 o por correo electrónico a help@BRprojects.com.

PROJECTS COMPLETED AND UNDER CONSTRUCTION

There are 6 projects complete, with a total of 139,000 linear feet of gravity main improvements and 28,555 feet of forcemain improvements.

#	Project Information			Project Components				Consultant/Contractor		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 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	6/30/2010
				5	1,218	28,555	139,050			\$11,297,344				

#	Project Information			Project Components				Consultant/Contractor		Cost		Schedule		
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Under Construction	1	Staring Lane FM (PH: Burbank to Highland)	Capacity	06-WC-CP-0036	-	-	2,260	-	Monroe & Corie	James Construction	\$4,615,500	1/11/2008	9/19/2008	8/23/2010
	2	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
	3	RMAP1 - Industriplex Area Upgrades	RMAP1	99-RMP-S08	6	-	4,000	-	Forte & Tablada	BRH Garver	\$9,674,634	3/10/2008	10/31/2008	9/2/2010
	4	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	6/5/2010
	5	SWWTP IAPs Combined	WWTP	08-TP-BD-0031	-	-	-	-	CDM, MWH, URS Corp.	Brasfield & Gorrie	\$26,334,627	11/6/2006	12/12/2008	11/12/2010
	6	Foster Road - Hooper Road	Capacity	07-FM-BD-0046	-	-	26,200	-	PEC	Hemphill Construction	\$8,761,675	2/14/2008	1/9/2009	9/28/2010
	7	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	8/28/2010
	8	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
	9	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
	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	-	-	-	-	Env. Eng Svcs	SEMS, Inc.	\$2,279,038	6/29/2007	10/30/2009	7/19/2010
	12	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
	13	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	7/13/2011
	14	SWWTP Wet Weather Improve (PH1)	WWTP	08-TP-BD-0033	-	-	-	-	CDM	Brasfield & Gorrie	\$113,227,000	6/23/2008	3/27/2010	7/12/2013
	15	South Boulevard - St. Joseph Street / 25th Street - North Acadian Thruway	Capacity	08-GS-ST-0018	-	-	18,360	3,000	Evans-Graves	Reynolds, Inc.	\$17,965,049	3/27/2008	4/16/2010	4/11/2012
	16	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	5/30/2011
	17	Highland Road - Buchanan Street	Capacity	08-GS-ST-0021	-	-	4,465	8,390	Burk-Kleinpeter/Justice & Huang (A JV)	Gilmore & Son Construction Corp	\$4,325,851	3/14/2008	4/23/2010	3/17/2011
	18	Capital Lake Drive - Gayosa Street / 25th Street - North Acadian Thruway	Capacity	07-PS-BD-0048	-	-	19,320	19,150	Shread-Kuyrkendall & Associates, Inc.	TBA	\$8,800,000**	1/14/2008	6/18/2010	11/15/2011
	19	Emergency Generators	Generators	09-PS-BD-0037	-	-	-	-	ARCCO (Purchasing Contractor)	TBA	\$36,000,000**	2009	6/18/2010	2010
	20	Foster Drive - Government Street	Rehab	09-AR-BD-0015	-	629	-	159,300	CSRS, Inc.	TBA	\$6,900,000**	5/25/2009	6/25/2010	9/21/2011
				25	5,150	106,505	1,283,951			\$308,986,865				

For specific details on the projects Under Construction shown in the schedule above, please see page 8 of this report.

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

** Estimated construction amount.



PROJECTS UNDER DESIGN

There are 35 projects currently under design. 23 of those projects are scheduled to advertise for construction bid before year end 2010.

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

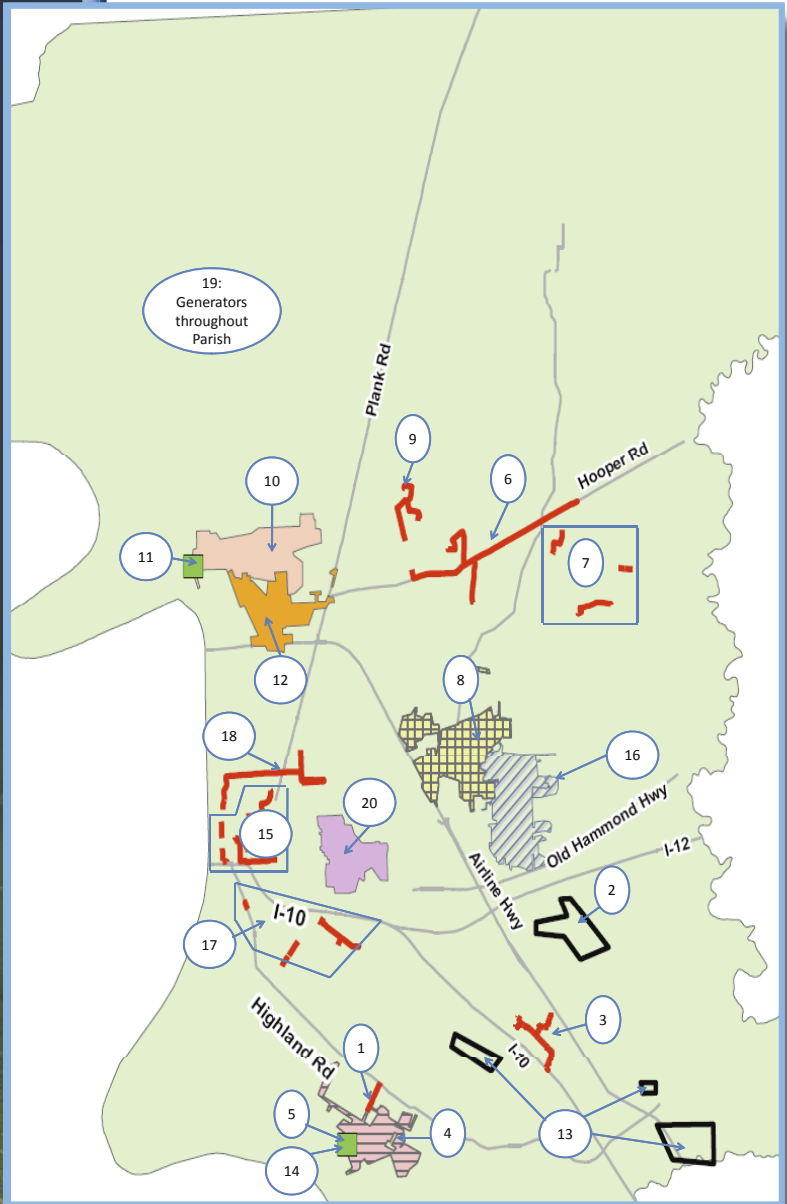
UNDER DESIGN

\$ 483,118,720



DETAILS OF PROJECTS UNDER CONSTRUCTION

As shown on pages 4-5 of this report, there are 20 projects under construction throughout the C-P.



1 Staring Lane Extension Phase 1. This project includes, approximately 2,260 linear feet of forcemain.



Horizontal-Directional Drilling in the Staring Lane Extension area.

2 RMAP1 – PS136 Area Upgrades. This project includes demolishing four existing pump stations and installing 27,000 linear feet of associated forcemain and 20,700 linear feet of new gravity sewer and a major upgrade to PS136.

3 RMAP1 – Industriplex Area Upgrades. This project consists of demolishing six pump stations and constructing a new gravity system that will route flows to one new centralized pump station on Exchequer Drive.



168,300 linear feet of pipe is inspected in the Gardere – Burbank area.

4 Gardere Lane - Burbank Road Area Upgrades. This rehabilitation project includes inspecting and rehabilitating, as needed, approximately 168,300 linear feet of sewer pipe and 787 manholes.

5 SWWTP Immediate Action Projects. Located at the South WWTP, these projects include replacing the primary clarifier, modifying the trickling filter pump station, and piping/pumping modifications to the digester complex.



Geotechnical investigations were conducted at the SWWTP.

6 Foster Road – Hooper Road. This project includes constructing approximately 26,200 linear feet of various sizes of forcemain.

7 Sullivan Road/Lovett Road/Wax Road. This project includes replacing three pump stations and upsizing approximately 4,200 linear feet of forcemain and 2,100 linear feet of gravity main.



Approximately 238,425 linear feet of pipe was inspected in the Oak Villa area.

8 Oak Villa Blvd – Choctaw Street Area Upgrades. This rehabilitation project includes inspecting and rehabilitating, as needed, approximately 238,425 linear feet of sewer pipe and 966 manholes.

9 **Comite Drive – Foster Road Area Upgrades.**

This two phased capacity improvement project located in the northern portion of East Baton Rouge Parish involves replacing three pump stations and the upsizing of approximately 19,000 linear feet of 6- and 8-inch forcemain.



Trench boxes are used for the gravity line installation in the Comite – Foster Area.

10 **Scotland Avenue – Progress Road Area Upgrades.** This project involves inspecting and rehabilitating approximately 178,615 linear feet of various sizes of sewer pipe, 2,562 laterals, and 775 manholes.

11 **North Wastewater Treatment Plant Odor Control.** This project involves implementing odor control improvements at the plant (bio-towers), in the collection system, and at five surrounding pump stations to reduce odor problems at the North WWTP.



775 manholes will be inspected in the Scotland Avenue – Progress Road Area.

12 **Elm Grove Garden – Harding Blvd.** This project involves rehabilitating approximately 199,500 linear feet of sewer pipe, 3,216 laterals, and 839 manholes.

13 **Group Project 2 – Small Pump Stations.** This project includes replacing seven pump stations that will work in conjunction with the forcemain upgrades in other South Forced Lower Basin projects.



Typical bio-tower installation.

14 **South WWTP Wet Weather Improvements – Phase 1.** This project will provide wet weather storage, influent pumping, and preliminary treatment at the South WWTP.



15 South Boulevard – St. Joseph Street / 25th Street – North Acadian Thruway.

This project will increase the capacity of the gravity sewers upstream of PS59 and PS60 and includes approximately 18,000 linear feet of gravity sewer pipe.



As part of the Group 2 Project, Pump Station # 182 located near YMCA Drive will be replaced.

16 Sharp Road - Florida Blvd. This project involves conducting repairs or replacing approximately 68,000 linear feet of pipe, rehabilitating approximately 156,000 linear feet of pipe using cured in place pipe liners, rehabilitating or replacing manholes, and repairing sewer laterals to the property line.

17 Highland Road - Buchanan Street. This project involves improvements to 8,390 linear feet of 10-to 15-inch forcemain, and 4,460 linear feet of 10-to 42-inch gravity mains.



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

18 Capital Lake Drive - Gayosa Street / 25th Street - North Acadian Thruway. This project involves improvements to 18-to 30-inch diameter forcemains and improvements to 8-to 24-inch diameter gravity mains.

19 Emergency Generators. This project involves installing generators at each of the pump stations in East Baton Rouge Parish to ensure continuity of service during power failures.

20 Foster Drive - Government Street. This project involves replacing pipes, conducting point pipe repairs, rehabilitating pipes using cured in place pipe liners, rehabilitating or replacing manholes, and repairing sewer laterals to the property line.



Manhole inspections provide insight into pipeline conditions in the Sharp Road - Florida Blvd. project.



Looking Ahead...

Projects that recently advertised for Construction:

Capital Lake Drive – Gayosa Street/25th Street - North Arcadia Thruway: Advertised on June 18, 2010. Approximately 18,000 linear feet of forcemain and 7,150 linear feet of gravity main will be improved in the project area. Bids will be opened on July 29, 2010.

Standby Generator Installations: Advertised for construction bid on June 18, 2010. This project is for the installation and connection of owner furnished equipment at existing sewage lift stations to provide standby power in the event of a utility outage. Bids will be opened on July 29, 2010.

Foster Drive – Government Street: Advertised for construction bid on June 25, 2010. The purpose of this project is to rehabilitate the sewer collection system. Bids will be opened on July 27, 2010.

Upcoming projects that will advertise for Construction:

Citiplace/Essen Area – PS119 and Forcemain Improvements: Expected to advertise July 2010. The project includes the construction of 8,100 feet of new 16-inch forcemain from PS119 to PS 58.



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JUNE 2010

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BATON ROUGE SSO
Program

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