



BATON ROUGE SSO

# Program

## *Quarterly Progress Report*

1st Quarter 2018



Prepared for City of Baton Rouge/East Baton Rouge Parish  
Department of Environmental Services  
*Prepared by CH2M in association with SIGMA Consulting Group and ILSI Engineering*



## History of the City/Parish Consent Decree *How the SSO Program came to be and next steps*

The City/Parish is under a consent decree, which is a federal mandate that requires a governmental entity address an issue. The City/Parish's consent decree requires the City/Parish to reduce sanitary sewer overflows (SSOs) and to meet the wastewater treatment plant permit limits.



### The SSO Program

To meet these requirements, the City/Parish must first address how to improve its infrastructure. The City/Parish appointed what is now the Department of Environmental Services (DES) to tackle this first step. DES decided to move forward with the SSO Program, which is comprised of 115 projects that, once built, will rehabilitate existing infrastructure, increase the capacity of the sewer system by allowing more wastewater to be transported, and improve the treatment process of the wastewater. The construction of these 115 projects is anticipated to be completed by the end of 2018. The new and improved infrastructure will prepare the city/parish for the next phase.

### Next Steps

Once the SSO Program is completed, the City/Parish will focus on monitoring the system for compliance. To do this, the City/Parish will again rely on the DES, which will spearhead continuing to eliminate cross connections, report unauthorized discharges, conduct sample gathering, and monitor the system.



DES has appointed a new director, Richard Speer P.E., to lead this effort and guide the department through its other responsibilities. Mr. Speer recently served as vice president of the Baton Rouge office of AECOM, a multinational engineering firm. Mr. Speer is focused on completion of construction and fulfillment of the requirements of the Consent Decree as we enter the final stages of the SSO Program.

# ACTIVE PROJECTS

Construction Project Information				Consultant / Contractor			Schedule Information		
#	Name	Type	DES Project #	Design Consultant	Const Contractor	Const Contract	Start	Advertise for Bids	Ant. Funct Complete
1	Airline Hwy Pipeline PhB	Capacity	10-GS-MS-007B	Stantec	Eutaw	\$14,232,168	1/30/09	9/11/15	5/1/18
2	Hooper Rd Pump Stations Improvements	Capacity	10-PS-MS-0048	Stanley	Wharton-Smith	\$13,093,953	5/3/10	5/6/16	6/30/18
3	Lovett Rd-Greenwell Springs Rd SAU	Capacity	10-FM-MS-0049	SJB/Owen & White	Grady Crawford	\$13,755,721	5/3/10	8/26/16	7/18/18
4	Joor Rd-Greenwell Springs Rd SAU	Capacity	11-FM-MS-0023	TRC Engineers/ Digital Eng.&Imaging	Grady Crawford	\$6,300,680	4/18/11	9/2/16	7/25/18
5	MPSs-Hwy 61-Plank Rd	Capacity	11-PS-MS-0035	GEC	Wharton-Smith	\$4,791,000	9/26/11	5/13/16	7/15/18
6	NWWTP Odor Control & Sodium Hypochlorite	Master Plan	13-TP-MS-047A	CDM Smith	M. R. Pittman	\$9,990,000	-	12/23/16	6/8/18
7	NWWTP Sustainability Improvements	Master Plan	13-TP-MS-0045	Buchart-Horn	Wharton-Smith	\$7,185,461	-	9/16/16	5/13/18
8	Flannery Rd-Florida Blvd Area Rehab (Ph2)	Rehab	14-AR-MS-0034	Rehab Pgm Team	Allen & LeBlanc	\$3,796,137	6/30/14	1/20/17	6/26/18
9	MPSs-Prescott Rd-Greenwell Springs Rd	Capacity	11-PS-MS-0034	MWH	McInnis Bros.	\$7,415,338	9/19/11	10/28/16	11/15/18
10	Florida Blvd PSs Improvements	Capacity	11-PS-MS-0003	Brown & Caldwell	Wharton-Smith	\$19,996,246	1/28/11	7/15/16	10/15/18
11	SCADA Master Plan	Master Plan	12-PS-MS-0021	Pgm Mgmt Team	Tesco Controls	\$17,347,171	5/13/13	6/8/12	11/30/18
12	NWWTP General Electrical Rehab	Master Plan	13-TP-MS-047B	CDM Smith	E. P. Breaux	\$9,989,000	-	2/24/17	12/15/18
13	N 38th St-Gus Young Ave Area Rehab	Rehab	14-AR-MS-0035	Rehab Pgm Team	Magnolia	\$2,966,557	8/29/14	3/31/17	6/30/18
14	NWWTP Pretreatment & Grit Removal Rehab	Master Plan	13-TP-MS-047D	CDM Smith	WSI	\$7,116,000	-	4/14/17	11/21/18
15	NWWTP Plantwide & Master SCADA	Master Plan	13-TP-MS-047C	CDM Smith	QDS	\$2,290,000			12/20/18
16	NWWTP Standby Generator	Master Plan	13-TP-MS-045E	CDM Smith	State Contract	\$2,000,000			6/30/18
<b>16 Total Projects Under Construction</b>									

Design Project Information				Consultant		Schedule		
#	Name	Type	DES Project #	Design Consultant	Total Const Contract	Start	Advertise for Bids	Ant. Functionally Complete
1	North WWTP Master Plan Landscape Buffer	Master Plan	13-TP-MS-001C	Eduardo Jenkins	\$600,000	3/5/13	4/30/18	12/15/2018
<b>1 Total Projects In Design</b>					<b>\$600,000</b>			



Call  
225.588.5678  
with any  
construction  
related  
questions.

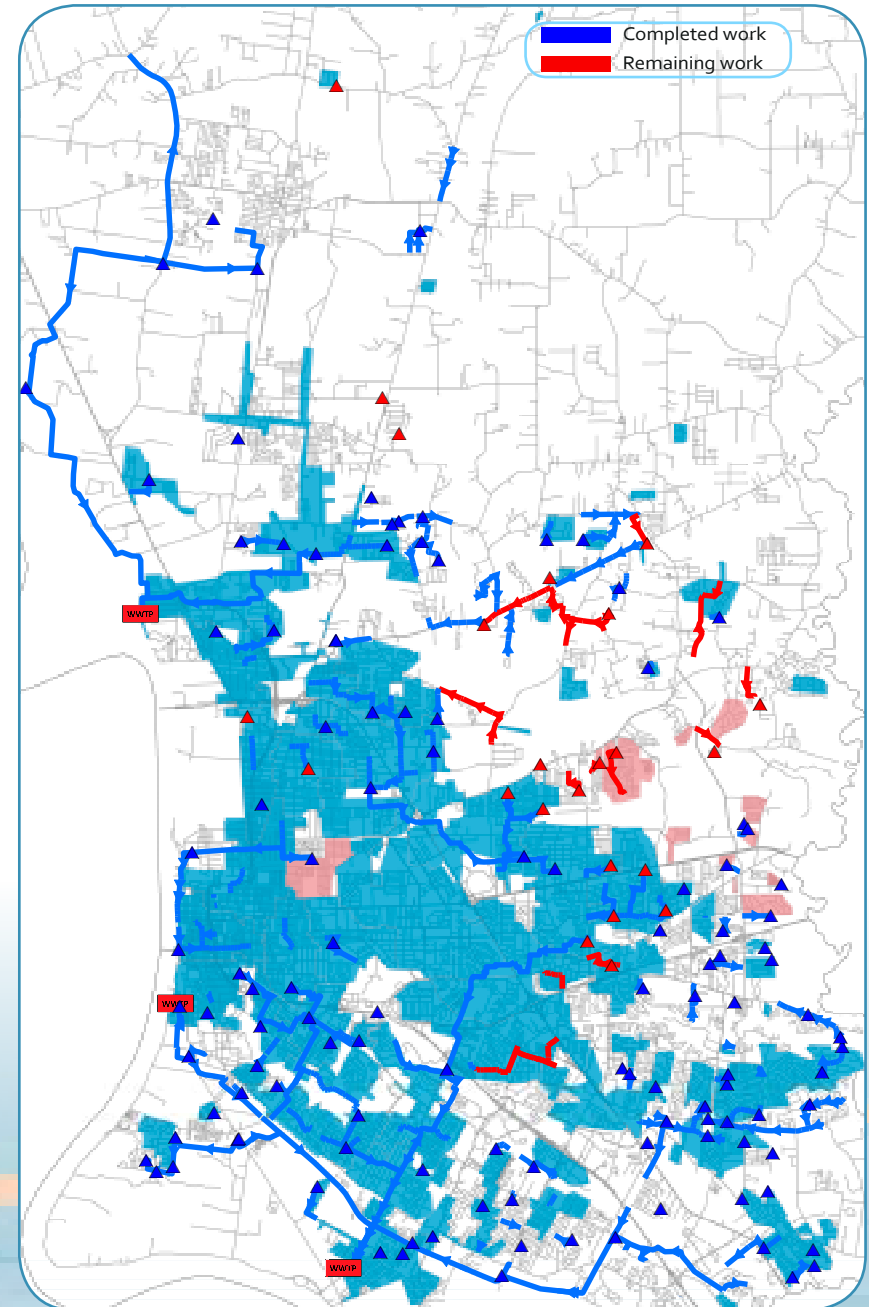
## Completed Projects

98 Program projects have been completed for a construction value of nearly \$ 1.1 billion, reducing SSOs across the City/Parish. This means that 99% of projects are either completed or under construction.

The map at right shows completed projects in blue and remaining project work in red. As the projects reach completion, the remaining work will result in a functional reduction of SSOs.

Upon completion on the SSO Program's 115 projects, the system will:

- have more than 500 pump stations in operation to pump wastewater to treatment plants
- have two wastewater treatment plants to treat wastewater so that it may safely be reintroduced to the water system
- have nearly 2,000 miles of separate gravity and pressure sewer systems
- have more than 28,000 inspected and rehabilitated manholes
- have ground storage facilities to store 120 million gallons of wastewater awaiting processing
- feature odor control buffers and systems to reduce smells
- feature improved aesthetics of sewer infrastructure through new fencing
- have a standby power system at all pump station sites
- have a computerized monitoring system (Supervisory Control and Data Acquisition - SCADA) to help monitor the system 24 hours a day, 7 days a week



# LOOKING AHEAD...

The following project is expected to advertise for construction bids in the coming months.

***NWWTP Master Plan Landscape Buffer Area Project (13-TP-MS-0001)***: This project consists of designing the re-vegetation and stormwater management of 14 acres of property between the NWWTP and the residential community to the east. The landscape buffer will perform as an odor control and visual buffer for nearby residents, implement stormwater BMPs to manage stormwater on site, and establish a healthy ecosystem that promotes biodiversity and wildlife habitat.

## 1st Quarter 2018

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