

Charleston Water System

2006 Capital Improvement Program

Project List

Clean Water for Life



About the 2006 Capital Improvement Program (CIP)

Includes 45 projects

Total cost: \$155.5 million

Development of the CIP:

- Engineers conducted master planning to identify Charleston Water System's capital needs over the next 20 years
 - Projects were then prioritized by need
 - The 2006 CIP is the first phase of the master plan improvements

All projects are related to one or more of the following:

- Population growth
- Rehabilitation/replacement of aging infrastructure
- Meeting regulatory requirements

Hanahan Water Treatment Plant Projects

Project No.	Project Description	Engineer's Estimate
1	Pilot Testing	600,000
	New Filter Building - Phase 1	7,500,000
	Hydraulic and Piping Improvements	3,700,000
	Filter Backwash Storage Tank	3,250,000
	New Chemical Tank Farm	4,000,000
	Electrical Improvements	5,900,000
	Miscellaneous Plant Improvements	500,000
	Engineering for Phase 2 Improvements	1,450,000
Hanahan Water Treatment Plant Subtotal		26,900,000

Note: The project numbers correspond to the numbers on the map at end of the Project List. The Hanahan and Plum Island projects are each grouped under one number.

Water Distribution System Projects

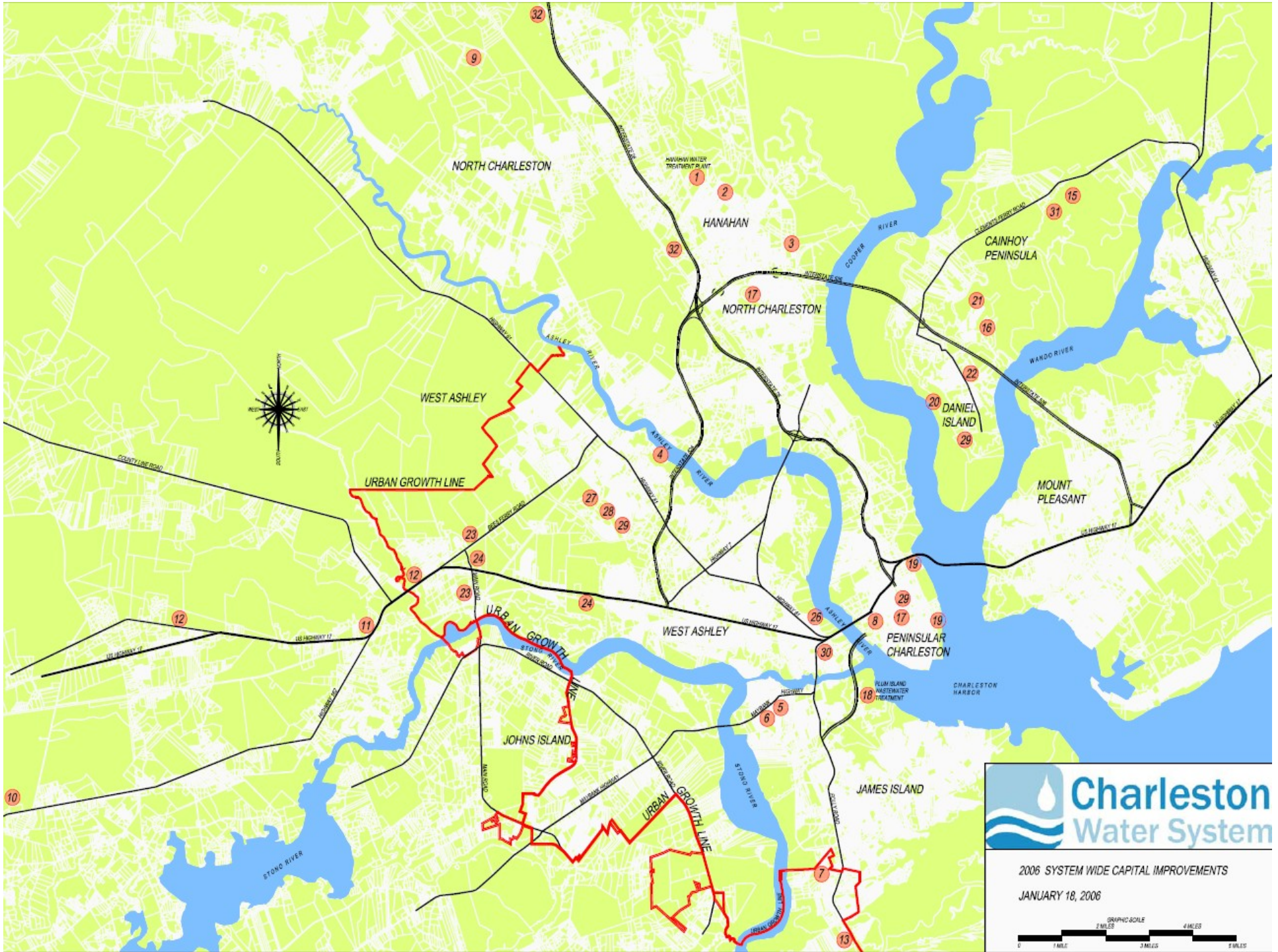
Project No.	Project Description	Engineer's Estimate
2	54-Inch Transmission Improvements HWTP to Sumner Ave.	9,100,000
3	36-Inch Transmission Improvements Sumner Ave. to Lincoln Ave.	1,500,000
4	36-Inch Ashley River Crossing	8,000,000
5	Elevated Tank and Booster Pump Station	7,500,000
6	Transmission Main Improvements @ James Island Tank & BPS	3,000,000
7	30-Inch Grimball Road Transmission Main Improvements	3,000,000
8	MUSC Area Water Main Improvements	750,000
9	Palmetto Commerce Park 24-Inch Transmission Main Improvements - Phase 1	1,000,000
10	Hollywood / Ravenel Elevated Storage Tank Site	100,000
11	Hollywood / Ravenel BPS Improvements	100,000
12	16-Inch Hollywood / Ravenel Transmission Main Improvements Phase 1	3,800,000
13	Lower Folly Road 12-Inch Main Improvements	400,000
14	SCDOT Water Main Relocations	2,500,000
15	Daniel Island Water Mains	100,000
16	Cainhoy Water Mains	2,500,000
17	Misc. Main Replacements/Rehabilitation	3,750,000
Water Distribution & Transmission System Subtotal		47,100,000

Plum Island Wastewater Treatment Plant Projects

Project No.	Project Description	Engineer's Estimate
18	Electrical and SCADA Upgrade	4,100,000
	New Blowers and Blower Building	5,450,000
	Screen Replacement	800,000
	Pilot Testing	500,000
	HTPS Improvements	400,000
	Engineering for Phase 2 Projects	2,300,000
	Plum Island Expansion	1,000,000
Environmental Resources Subtotal		14,550,000

Wastewater Collection System Projects

Project No.	Project Description	Engineer's Estimate
19	Wastewater Tunnel Replacement, Phase 3 (Cooper Tunnel)	8,210,000
20	Wastewater Tunnel Extension, Phase 6 (Daniel Island to Plum Island)	25,000,000
21	Daniel Island Wastewater Main Extensions	800,000
22	Upgrade, Pump Station 84 and Force Main	2,200,000
23	Red Top Corridor Interceptor System	6,400,000
24	Red Top Pump Station and Force Main	6,400,000
25	Johns Island WW Interceptor System Expansion - Phase 1	1,000,000
26	Pump Stations XX and YY Elimination	2,200,000
27	Pump Station Rehabilitations	3,400,000
28	Collection System Rehabilitations	2,000,000
29	Infiltration & Inflow Reduction	4,500,000
30	Croghan Shaft Collection System Improvements	300,000
31	Cainhoy WW Extensions	3,000,000
32	SCDOT Relocations	1,500,000
Wastewater Collection System Subtotal		66,910,000



2006 SYSTEM WIDE CAPITAL IMPROVEMENTS

JANUARY 18, 2006

