

Appendix 5
Interim System Improvements

Ref No.	CIP Proj. No.	Project Title	Estimate
1	BH-111	Claremont Avenue Pump Station Rehabilitation	\$1,500,000
2	AT-100	Atlantic Pressure Reducing Station Emergency Generator Replacement	\$1,000,000
3	AT-113-2	Lake Ridge Interceptor Force Main Section B – Contract 2 (Land)	\$3,000,000
4	YR-100	Big Bethel Road to J. Clyde Morris Boulevard Interceptor Force Main Replacement	\$2,500,000
5	JR-109-1	Williamsburg-James River Connection Force Main Section II and Lucas Creek-Woodhaven Interceptor Force Main Replacements – Phase I	\$4,000,000
6	YR-108	Route 171 Interceptor Force Main	\$8,000,000
7	YR-104	Kiln Creek Interceptor Force Main	\$7,000,000
8	VIP-120	H 12-Inch Interceptor Force Main Replacement and Gravity Sewer Chesterfield Blvd. Replacement	\$11,000,000
9	AT-108	Eastern Branch Section A & B, Green Run Section C, and 24-inch Kempsville Road Force Main Replacements	\$6,000,000
11	VIP-105	North Trunk Sewer Section R 6 Inch Interceptor Force Main and 10-Inch Gravity Replacement	\$1,000,000
12	VIP-104	North Trunk Sewer Section D 24-Inch Interceptor Force Main Replacement	\$6,000,000
13	AT-112-2	Hilltop/Point O' Woods Interceptor Force Main Replacements; Section B	\$6,000,000
14	AT-112-1	Hilltop/Point O' Woods Interceptor Force Main Replacements; Section A	\$5,000,000
15	WB-107	Williamsburg Interceptor Force Main Contract A Replacement	\$6,000,000
16	BH-100	33 rd Street Pump Station Replacement/Rehabilitation	\$3,000,000
17	VIP-133	Sanitary Sewer System Portsmouth VA Contract A Clifford Street Force Main	\$1,000,000
18	BH-114	James River Diversion 35 th Street Phase III and Boat Harbor Outlet Sewer Relocation I-664 Rehabilitation	\$2,000,000
19	BH-112	Hampton Trunk Sewer Division A Replacement	\$1,000,000
21	VIP-131*	South Trunk Sewer Section C-42 Inch Force Main Replacement	\$4,000,000
23	YR-101	Coliseum Drive Pressure Reducing Station	\$6,000,000
24	JR-100	Center Avenue Pump Station Replacement	\$4,000,000
25	VIP-130*	Norchester St. Pump Station Replacement/Rehabilitation	\$2,000,000
26	AT-114*	Providence Road Pressure Reducing Station Modifications	\$2,000,000
27	BH-101	58 th Street Connecting Sewer Rehabilitation	\$1,000,000
28	BH-116	Bridge St. Pump Station Replacement/Rehabilitation	\$2,000,000
29	VIP-132*	South Trunk Sewer Section G-36 Inch Force Main Replacement	\$3,000,000
30	GN-128	Interceptor Systems Pump Station Control and SCADA Upgrades and Enhancements	\$10,000,000
34	AT-125	Great Neck Road Interceptor Force Main Replacement Section A	\$4,500,000
35	AT-128	Military Highway Interim Pressure Reducing Station	\$750,000
36	BH-120	Hampton Trunk Sewer Extension Division E Gravity Replacement	\$750,000
37	BH-131	Victoria Boulevard Pump Station	\$3,600,000
39	GN-139	South Shore Interceptors Air Vent Rehabilitation	\$2,500,000
40	GN-142	North Shore Air Vent Replacements	\$1,200,000
41	JR-101	Center Avenue Pump Station Service Area I/I Remediation	\$4,000,000

42	JR-110	Middle Ground Boulevard - City Center Interconnect Force Main	\$5,000,000
43	JR-115	Center Avenue I&I Remediation Phase II	\$3,000,000
44	JR-117-1	Jefferson Avenue Interceptor Force Main Replacement Phase I	\$4,500,000
46	NP-118	Holland Road 24" Interceptor Force Main – Section A	\$14,000,000
47	NP-122	Pughsville Pressure Reducing Station Upgrades	\$5,000,000
48	VIP-115	Sewerage System Improvements Division C, Phase I and Suction Lines Jefferson Street/Camden/Peachtree Portsmouth VA Replacements (I-264 Crossing)	\$750,000
49	VIP-164	Lafayette River Crossing / Norview-Estabrook Force Main Replacement	\$3,000,000
50	AT-116-1	Courthouse Interim Pressure Reducing Station	\$1,500,000
51	YR-123	Hampton Pump Station 023 Upgrades and Discharge Force Main	\$750,000
52	VIP-163-1	Virginia Initiative Plant Nutrient Reduction Improvements, Contract A (to be completed by December 31, 2018)	\$18,000,000
53	VIP-163-2	Virginia Initiative Plant Nutrient Reduction Improvements, Contract B (to be completed by December 31, 2018)	\$125,000,000
			\$306,800,000
*As of date of lodging, preliminary engineering work indicates these projects may require significant change in scope. HRSD will provide appropriate notice to Plaintiffs pursuant to Paragraph 30.			