

Description:

RESTORATION OF EXISTING GRAVITY SEWER MAINS DAMAGED BY HURRICANE
 BY EXCAVATION AND REPLACEMENT FROM MANHOLE TO MANHOLE, CIPP LINING
 MANHOLE TO MANHOLE AND POINT REPAIRS AT VARIOUS SITES THROUGHOUT ORLEANS
 PARISH

CONTRACT 30006

TABULATED BY: Robert Gross-Potter

ITEM	DESCRIPTION	UNIT	QUANTITY	Boh Bros.		Hard Rock		Fleming		BLD Services		Drennan	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
1	Restore 8"-10" Sewer Main by excavation and replacement (0'-9" deep)	L.F.	3000	\$163.00	\$489,000.00	\$200.00	\$600,000.00	\$230.00	\$690,000.00	\$184.00	\$552,000.00	\$277.00	\$831,000.00
2	Restore 8"-10" Sewer Main by excavation and replacement (9'-1"-13' deep)	L.F.	250	\$305.00	\$76,250.00	\$215.00	\$53,750.00	\$260.00	\$65,000.00	\$225.00	\$56,250.00	\$288.00	\$72,000.00
3	Restore 8"-10" Sewer Main by excavation and replacement (13'-1"-17' deep)	L.F.	250	\$393.00	\$98,250.00	\$115.00	\$28,750.00	\$300.00	\$75,000.00	\$400.00	\$100,000.00	\$388.00	\$97,000.00
4	Restore 12"-15" Sewer Main by excavation and replacement (0'-9" deep)	L.F.	300	\$174.00	\$52,200.00	\$135.00	\$40,500.00	\$200.00	\$60,000.00	\$190.00	\$57,000.00	\$177.00	\$53,100.00
5	Restore 12"-15" Sewer Main by excavation and replacement (9'-1"-17' deep)	L.F.	250	\$391.00	\$97,750.00	\$285.00	\$66,250.00	\$300.00	\$75,000.00	\$235.00	\$58,750.00	\$388.00	\$97,000.00
6	Restore 18"-24" Sewer Main by excavation and replacement (0'-9" deep)	L.F.	300	\$211.00	\$63,300.00	\$375.00	\$112,500.00	\$200.00	\$60,000.00	\$400.00	\$120,000.00	\$366.00	\$109,800.00
7	Restore 18"-24" Sewer Main by excavation and replacement (9'-1"-17' deep)	L.F.	250	\$431.00	\$107,750.00	\$375.00	\$93,750.00	\$300.00	\$75,000.00	\$500.00	\$125,000.00	\$166.00	\$41,500.00
8	8" Sanitary Sewer Rehabilitation by full segment cured-in-place lining	L.F.	4000	\$40.00	\$160,000.00	\$40.00	\$160,000.00	\$31.00	\$124,000.00	\$45.00	\$180,000.00	\$33.00	\$132,000.00
9	10" Sanitary Sewer Rehabilitation by full segment cured-in-place lining	L.F.	500	\$43.00	\$21,500.00	\$45.00	\$22,500.00	\$35.00	\$17,500.00	\$55.00	\$27,500.00	\$33.00	\$16,500.00
10	12" Sanitary Sewer Rehabilitation by full segment cured-in-place lining	L.F.	250	\$51.00	\$12,750.00	\$50.00	\$12,500.00	\$40.00	\$10,000.00	\$65.00	\$16,250.00	\$37.00	\$9,250.00
11	15" Sanitary Sewer Rehabilitation by full segment cured-in-place lining	L.F.	250	\$67.00	\$16,750.00	\$60.00	\$15,000.00	\$50.00	\$12,500.00	\$80.00	\$20,000.00	\$63.00	\$13,250.00
12	18" Sanitary Sewer Rehabilitation by full segment cured-in-place lining	L.F.	200	\$74.00	\$14,800.00	\$70.00	\$14,000.00	\$55.00	\$11,000.00	\$125.00	\$25,000.00	\$68.00	\$11,600.00
13	24" Sanitary Sewer Rehabilitation by full segment cured-in-place lining	L.F.	200	\$121.00	\$24,200.00	\$120.00	\$24,000.00	\$95.00	\$19,000.00	\$190.00	\$38,000.00	\$100.00	\$20,000.00
14	Sanitary Sewer Service internal reinstatements complete with cure-in-place liner	EA	250	\$88.00	\$22,000.00	\$80.00	\$20,000.00	\$65.00	\$16,250.00	\$250.00	\$62,500.00	\$66.00	\$16,500.00
15	8"-10" Sewer Main external point repairs 12' in length and less than 10' depth	EA	77	\$4,500.00	\$346,500.00	\$10,000.00	\$770,000.00	\$8,000.00	\$616,000.00	\$9,500.00	\$731,500.00	\$11,000.00	\$847,000.00
16	8"-10" Sewer Main external point repairs in excess of 12' in length and less than 10' depth	L.F.	50	\$270.00	\$13,500.00	\$200.00	\$10,000.00	\$125.00	\$6,250.00	\$250.00	\$12,500.00	\$266.00	\$13,300.00
17	8"-10" Sewer Main external point repairs 12' in length and greater than or equal to 10' depth	EA	5	\$7,100.00	\$35,500.00	\$12,000.00	\$60,000.00	\$10,000.00	\$50,000.00	\$12,000.00	\$60,000.00	\$12,000.00	\$60,000.00
18	8"-10" Sewer Main external point repairs in excess of 12' in length and greater than or equal to 10' depth	L.F.	50	\$303.00	\$15,150.00	\$300.00	\$15,000.00	\$200.00	\$10,000.00	\$300.00	\$15,000.00	\$100.00	\$5,000.00
19	12"-15" Sewer Main external point repairs 12' in length and less than 10' depth	EA	4	\$8,500.00	\$34,000.00	\$10,000.00	\$40,000.00	\$8,500.00	\$34,000.00	\$10,500.00	\$42,000.00	\$11,000.00	\$44,000.00
20	12"-15" Sewer Main external point repairs in excess of 12' in length and less than 10' depth	L.F.	50	\$356.00	\$17,800.00	\$300.00	\$15,000.00	\$200.00	\$10,000.00	\$275.00	\$13,750.00	\$100.00	\$5,000.00
21	12"-15" Sewer Main external point repairs 12' in length and greater than or equal to 10' depth	EA	3	\$13,200.00	\$39,600.00	\$12,000.00	\$36,000.00	\$9,000.00	\$27,000.00	\$14,800.00	\$44,400.00	\$16,000.00	\$48,000.00
22	12"-15" Sewer Main external point repairs in excess of 12' in length and greater than or equal to 10' depth	L.F.	60	\$370.00	\$18,500.00	\$300.00	\$15,000.00	\$250.00	\$12,500.00	\$400.00	\$20,000.00	\$100.00	\$5,000.00
23	18"-24" Sewer Main external point repairs 12' in length and less than 10' depth	EA	4	\$9,100.00	\$36,400.00	\$15,000.00	\$60,000.00	\$11,000.00	\$44,000.00	\$11,000.00	\$44,000.00	\$1,000.00	\$4,000.00
24	18"-24" Sewer Main external point repairs 12' in length and greater than or equal to 10' depth	L.F.	50	\$441.00	\$22,050.00	\$600.00	\$30,000.00	\$250.00	\$12,500.00	\$300.00	\$15,000.00	\$100.00	\$5,000.00
25	18"-24" Sewer Main external point repairs 12' in length and greater than or equal to 10' depth	EA	3	\$15,800.00	\$47,400.00	\$25,000.00	\$75,000.00	\$18,000.00	\$54,000.00	\$21,000.00	\$63,000.00	\$22,000.00	\$66,000.00
26	18"-24" Sewer Main external point repairs in excess of 12' in length and greater than or equal to 10' depth	L.F.	50	\$476.00	\$23,800.00	\$350.00	\$17,500.00	\$300.00	\$15,000.00	\$500.00	\$25,000.00	\$100.00	\$5,000.00
27	6" Sanitary Sewer Service lateral replacement	L.F.	7500	\$62.00	\$465,000.00	\$40.00	\$300,000.00	\$35.00	\$262,500.00	\$35.00	\$262,500.00	\$1.00	\$7,500.00
28	6" Sanitary Sewer Lateral cured-in-place	L.F.	250	\$408.00	\$102,000.00	\$350.00	\$87,500.00	\$250.00	\$62,500.00	\$350.00	\$87,500.00	\$25.00	\$131,250.00
29	6" Sanitary Sewer Service lateral replacement on existing CIPP lined pipe	L.F.	250	\$127.00	\$31,750.00	\$110.00	\$27,500.00	\$90.00	\$22,500.00	\$150.00	\$37,500.00	\$150.00	\$37,500.00
30	6" service connections direct to manhole including tie-in to manhole (from manhole to P/L or CO)	L.F.	130	\$75.00	\$9,750.00	\$22.00	\$2,860.00	\$50.00	\$6,500.00	\$150.00	\$19,500.00	\$1.00	\$130.00
31	Furnish and install Vertical Stack, fitting and tie-in (8"-24")	EA	25	\$1,000.00	\$25,000.00	\$450.00	\$11,250.00	\$100.00	\$2,500.00	\$900.00	\$22,500.00	\$6,600.00	\$165,000.00
32	Install Sewer Manhole, complete in place (Brick) (0'-9" Deep)	V.F.	50	\$600.00	\$30,000.00	\$225.00	\$11,250.00	\$300.00	\$15,000.00	\$300.00	\$15,000.00	\$500.00	\$25,000.00
33	Install Sewer Manhole, complete in place (Brick) (9'-1"-17' Deep)	V.F.	50	\$832.00	\$41,600.00	\$340.00	\$17,000.00	\$400.00	\$20,000.00	\$500.00	\$25,000.00	\$1,500.00	\$75,000.00
34	Adjust Existing Manhole Frame and Cover	EA	210	\$435.00	\$91,350.00	\$675.00	\$141,750.00	\$100.00	\$21,000.00	\$700.00	\$147,000.00	\$160.00	\$21,000.00
35	Sewer Diversion Pump set up when operating a pump greater than or equal to 4" and only when authorized by Engineer	EA	4	\$8,300.00	\$33,200.00	\$4,500.00	\$18,000.00	\$250.00	\$1,000.00	\$7,500.00	\$30,000.00	\$100.00	\$400.00
36	Set up, maintain and operation of well point equipment in operation for removal and replacement of Sewer Main	EA	9	\$8,700.00	\$78,300.00	\$10,000.00	\$90,000.00	\$250.00	\$2,250.00	\$15,000.00	\$135,000.00	\$100.00	\$900.00
37	Sawcut, Removal, Disposal and Restoration of Existing RDWAYS w/ Interim Pavement	S.Y.	5200	\$65.00	\$338,000.00	\$55.00	\$286,000.00	\$34.00	\$176,800.00	\$65.00	\$338,000.00	\$68.00	\$343,200.00
38	Sawcut, Removal, Disposal and Restoration of existing RDWAYS, Disposal and Restoration of Existing RDWAYS, Reinforced Concrete RDWY, (Approx. 8" thick)	S.Y.	400	\$120.00	\$48,000.00	\$115.00	\$46,000.00	\$125.00	\$50,000.00	\$98.00	\$39,200.00	\$168.00	\$66,400.00
39	Sawcut, removal, disposal and restoration of existing RDWAYS, disposal and restoration of existing RDWAYS, RDWAYS, Asphalt full depth RDWY, (Approx. 5" thick)	S.Y.	1250	\$82.00	\$102,500.00	\$115.00	\$143,750.00	\$85.00	\$106,250.00	\$94.00	\$117,500.00	\$60.00	\$75,000.00
40	Installation of Asphalt Surface on concrete paved RDWAYS (2" thick)	S.Y.	660	\$29.00	\$19,720.00	\$33.00	\$22,440.00	\$30.00	\$20,400.00	\$40.00	\$27,200.00	\$60.00	\$40,800.00
41	Saw cutting, removal, disposal and replacing concrete curb to match existing	L.F.	1200	\$40.00	\$48,000.00	\$30.00	\$36,000.00	\$10.00	\$12,000.00	\$30.00	\$36,000.00	\$5.00	\$6,000.00
42	Reset Granite Curb	L.F.	40	\$106.00	\$4,240.00	\$100.00	\$4,000.00	\$100.00	\$4,000.00	\$5.00	\$250.00	\$250.00	\$10,000.00
43	Saw cutting, removal, disposal and replacing mountable curb and gutter to match existing	L.F.	226	\$43.00	\$9,675.00	\$50.00	\$11,250.00	\$40.00	\$9,000.00	\$35.00	\$7,875.00	\$40.00	\$9,000.00
44	Saw cutting, removal, disposal and replacing driveways (6" Reinforced Concrete)	S.Y.	405	\$87.00	\$35,235.00	\$85.00	\$34,425.00	\$80.00	\$32,400.00	\$75.00	\$30,375.00	\$45.00	\$18,225.00
45	Saw cutting, removal, disposal and replacing driveways (6" Reinforced Concrete w/Gravel Finish)	S.Y.	70	\$93.00	\$6,510.00	\$75.00	\$5,250.00	\$50.00	\$3,500.00	\$95.00	\$6,650.00	\$90.00	\$6,300.00
46	Saw cutting, removal, disposal and replacing driveways (6" Reinforced Concrete w/brick to match existing)	S.Y.	65	\$272.00	\$17,680.00	\$140.00	\$9,100.00	\$50.00	\$3,250.00	\$140.00	\$9,100.00	\$250.00	\$16,250.00
47	Saw cutting, removal, disposal and replacing Concrete Sidewalk (4" Reinforced Concrete)	S.Y.	1000	\$87.00	\$87,000.00	\$70.00	\$70,000.00	\$80.00	\$80,000.00	\$75.00	\$75,000.00	\$35.00	\$35,000.00
48	Saw cutting, removal, disposal and replacing Concrete Sidewalks (4" Reinforced Concrete w/Gravel Finish)	S.Y.	40	\$93.00	\$3,720.00	\$70.00	\$2,800.00	\$50.00	\$2,000.00	\$85.00	\$3,400.00	\$90.00	\$3,600.00
49	Saw cutting, removal, disposal and replacing Concrete Sidewalks (Reinforced Concrete w/brick to match existing)	S.Y.	60	\$266.00	\$15,960.00	\$80.00	\$4,800.00	\$50.00	\$3,000.00	\$140.00	\$8,400.00	\$250.00	\$15,000.00
50	Minimum depth of 3" Batture Sand and grass sod as directed	S.Y.	300	\$16.00	\$4,800.00	\$15.00	\$4,500.00	\$10.00	\$3,000.00	\$12.00	\$3,600.00	\$20.00	\$6,000.00
51	Concrete Handicap Ramp restoration/Installation	EA	10	\$1,100.00	\$11,000.00	\$3,000.00	\$30,000.00	\$1,100.00	\$11,000.00	\$1,500.00	\$15,000.00	\$500.00	\$5,000.00
52	2" Cold Mill and Overlay	S.Y.	3250	\$34.00	\$110,500.00	\$40.00	\$130,000.00	\$20.00	\$65,000.00	\$35.00	\$113,750.00	\$7.00	\$22,750.00
53	Install New Manhole Cover	EA	27	\$237.00	\$6,399.00	\$625.00	\$16,875.00	\$100.00	\$2,700.00	\$1,000.00	\$27,000.00	\$300.00	\$8,100.00
54	Replace Existing Manhole Cover	EA	127	\$755.00	\$95,885.00	\$3,125.00	\$396,875.00	\$500.00	\$63,500.00	\$900.00	\$114,300.00	\$1,400.00	\$177,800.00
55	Partial depth Manhole Rehabilitation two (2) ft. in depth with lightweight spray applied Structural Concrete	EA	1465	\$179.00	\$262,235.00	\$350.00	\$517,250.00	\$260.00	\$380,900.00	\$250.00	\$366,250.00	\$244.00	\$357,460.00
56	Rehabilitate existing Manhole the entire depth with lightweight spray applied Structural Concrete	V.F.	3655	\$92.00	\$336,260.00	\$150.00	\$548,250.00	\$110.00	\$402,050.00	\$100.00	\$365,500.00	\$100.00	\$365,500.00
57	Rehabilitate existing Manhole the entire depth with Multi-Component Polymeric Lining System	V.F.	220	\$272.00	\$59,840.00	\$260.00	\$57,200.00	\$210.00	\$46,200.00	\$250.00	\$55,000.00	\$250.00	\$55,000.00
58	Install Concrete Manhole Isolation Pad	EA	336	\$980.00	\$329,280.00	\$750.00	\$252,000.00	\$600.00	\$208,800.00	\$900.00	\$302,400.00	\$777.00	\$261,072.00
Total					\$4,759,309.00	\$5,733,375.00	\$4,355,500.00	\$5,398,000.00	\$4,994,937.00				