

STORMWATER INFRASTRUCTURE REPAIRS (SD-2019-09)

CITY OF DURHAM - PUBLIC WORKS DEPARTMENT - STORMWATER GIS SERVICES DIVISION - INFRASTRUCTURE GROUP

					Opinion of Probable Cost		Bruce Allen Construction		Bridgepoint	
No.	Specification	Item Description	Quantity	Unit	Unit Price	Item Value	Unit Price	Item Value	Unit Price	Item Value
Abandonment, Demolition, and Removal										
1	NCDOT 200	Select Tree Removal (0 to 8-inch diameter)	1	EA	\$1,000.00	\$1,000.00	\$2,285.00	\$2,285.00	\$390.00	\$390.00
2	NCDOT 200	Select Tree Removal (8.1 to 16-inch diameter)	5	EA	\$2,000.00	\$10,000.00	\$3,260.00	\$16,300.00	\$940.00	\$4,700.00
3	NCDOT 200	Select Tree Removal (16.1 to 24-inch diameter)	5	EA	\$2,700.00	\$13,500.00	\$5,100.00	\$25,500.00	\$1,300.00	\$6,500.00
4	NCDOT 340	Pipe Removal	244	LF	\$100.00	\$24,400.00	\$70.00	\$17,080.00	\$50.00	\$12,200.00
5	30 11 00	Removal of Existing Drainage Structure	2	EA	\$850.00	\$1,700.00	\$57.25	\$114.50	\$700.00	\$1,400.00
6	30 11 00	Removal of Existing Stone Wall	3	CY	\$100.00	\$300.00	\$1,820.00	\$5,460.00	\$340.00	\$1,020.00
7	30 11 00	Temporary Relocation of Street Sign	3	EA	\$200.00	\$600.00	\$450.00	\$1,350.00	\$280.00	\$840.00
Subtotal for Abandonment, Demolition, and Removal						\$51,500.00		\$68,089.50		\$27,050.00
Earthwork										
8	NCDOT 230	Borrow Excavation	309	CY	\$50.00	\$15,450.00	\$65.00	\$20,085.00	\$20.50	\$6,334.50
9	NCDOT 225	Undercut Excavation	148	CY	\$100.00	\$14,800.00	\$85.00	\$12,580.00	\$17.20	\$2,545.60
10	NCDOT 240	Drainage Ditch Excavation	14	CY	\$30.00	\$420.00	\$65.00	\$910.00	\$556.00	\$7,784.00
11	NCDOT 416	Stream Channel Excavation	86	CY	\$40.00	\$3,440.00	\$50.00	\$4,300.00	\$556.00	\$47,816.00
Subtotal for Earthwork						\$34,110.00		\$37,875.00		\$64,480.10
Soil Erosion and Sediment Control										
12	NCDOT 876	Rip Rap, Class 1	239	TN	\$100.00	\$23,900.00	\$100.00	\$23,900.00	\$78.00	\$18,642.00
13	NCDOT 876	Geotextile for Drainage (Type 2)	435	SY	\$5.00	\$2,175.00	\$9.00	\$3,915.00	\$3.30	\$1,435.50
14	NCDOT 1631	Matting for Erosion Control	10	SY	\$5.50	\$55.00	\$7.65	\$76.50	\$11.00	\$110.00
15	NCDOT 1660	Seeding and Mulching	4605	SY	\$5.00	\$23,025.00	\$8.00	\$36,840.00	\$1.65	\$7,598.25
Subtotal for Soil Erosion and Sediment Control						\$49,155.00		\$64,731.50		\$27,785.75
Paving										
16	NCDOT 520	Aggregate Base Course	7	TON	\$69.00	\$483.00	\$150.00	\$1,050.00	\$62.00	\$434.00
17	NCDOT 607	Milling Asphalt Pavement, 1.5-inch Depth	590	SY	\$50.00	\$29,500.00	\$25.00	\$14,750.00	\$16.50	\$9,735.00
18	NCDOT 610	Asphalt Concrete Base Course, Type B25.0B	158	TN	\$250.00	\$39,500.00	\$170.00	\$26,860.00	\$275.00	\$43,450.00
19	NCDOT 610	Asphalt Concrete Surface Course, Type S9.5B	112	TN	\$250.00	\$28,000.00	\$175.00	\$19,600.00	\$290.00	\$32,480.00
20	NCDOT 620	Asphalt Binder for Plant Mix	16	TN	\$800.00	\$12,800.00	\$555.00	\$8,880.00	\$720.00	\$11,520.00
21	NCDOT 848	4-inch Concrete Sidewalk City Detail No. 402.02	355	SY	\$95.00	\$33,725.00	\$65.00	\$23,075.00	\$50.00	\$17,750.00
22	NCDOT 848	6-inch Concrete Driveway City Detail No. 404.01 - 404.06	353	SY	\$100.00	\$35,300.00	\$85.00	\$30,005.00	\$80.00	\$28,240.00
23	30 11 00	Reset Granite Curb	320	LF	\$80.00	\$25,600.00	\$265.00	\$84,800.00	\$70.00	\$22,400.00
Subtotal for Paving						\$204,908.00		\$209,020.00		\$166,009.00
Storm Drainage										
24	NCDOT 300	Foundation Conditioning Material, Minor Structures	179	TN	\$100.00	\$17,900.00	\$70.00	\$12,530.00	\$58.00	\$10,382.00
25	NCDOT 300	Foundation Conditioning Geotextile	1763	SY	\$5.50	\$9,696.50	\$6.60	\$11,635.80	\$5.50	\$9,696.50
26	NCDOT 840	Catch Basin (0 to 5-feet)	10	EA	\$5,500.00	\$55,000.00	\$4,000.00	\$40,000.00	\$4,900.00	\$49,000.00
27	NCDOT 840	Frame, Grate, and Hood, Type 'E'	4	EA	\$800.00	\$3,200.00	\$1,300.00	\$5,200.00	\$578.00	\$2,312.00
28	NCDOT 840	Frame, Grate, and Hood, Type 'F'	4	EA	\$800.00	\$3,200.00	\$1,450.00	\$5,800.00	\$600.00	\$2,400.00
29	NCDOT 840	Frame, Grate, and Hood, Type 'G'	2	EA	\$800.00	\$1,600.00	\$1,450.00	\$2,900.00	\$600.00	\$1,200.00
30	NCDOT 840	Open Throat Catch Basin (0 to 5-feet)	8	EA	\$5,000.00	\$40,000.00	\$7,100.00	\$56,800.00	\$4,900.00	\$39,200.00
31	NCDOT 840	Drop Inlet (0 to 5-feet)	7	EA	\$5,000.00	\$35,000.00	\$4,200.00	\$29,400.00	\$4,950.00	\$34,650.00
32	NCDOT 840	Drop Inlet Frame and Grates	7	EA	\$800.00	\$5,600.00	\$1,345.00	\$9,415.00	\$520.00	\$3,640.00
33	NCDOT 840	Manhole (0 to 5-feet)	3	EA	\$5,500.00	\$16,500.00	\$4,530.00	\$13,590.00	\$4,400.00	\$13,200.00

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34	NCDOT 840	Manhole Frame and Cover City Detail No. 635.01 & 635.02	11	EA	\$800.00	\$8,800.00	\$700.00	\$7,700.00	\$360.00	\$3,960.00
35	NCDOT 840	Masonry Drainage Structures	52	LF	\$600.00	\$31,200.00	\$465.00	\$24,180.00	\$500.00	\$26,000.00
36	NCDOT 840	Pipe Collar	1	CY	\$800.00	\$800.00	\$2,500.00	\$2,500.00	\$1,100.00	\$1,100.00
37	NCDOT 840	Pipe Plugs	5.0	CY	\$1,000.00	\$5,000.00	\$2,500.00	\$12,500.00	\$440.00	\$2,200.00
38	NCDOT 310	18-inch R.C. Pipe Culverts, Class III (0 to 5-feet)	384	LF	\$85.00	\$32,640.00	\$175.00	\$67,200.00	\$200.00	\$76,800.00
39	NCDOT 310	18-inch R.C. Pipe Culverts, Class III (5.1 to 11-feet)	140	LF	\$120.00	\$16,800.00	\$265.00	\$37,100.00	\$260.00	\$36,400.00
40	NCDOT 310	24-inch R.C. Pipe Culverts, Class III (0 to 5-feet)	30	LF	\$100.00	\$3,000.00	\$185.00	\$5,550.00	\$265.00	\$7,950.00
41	NCDOT 310	24-inch R.C. Pipe Culverts, Class III (5.1 to 11-feet)	500	LF	\$85.00	\$42,500.00	\$240.00	\$120,000.00	\$317.00	\$158,500.00
42	NCDOT 310	36-inch R.C. Pipe Culverts, Class III (0 to 5-feet)	50	LF	\$150.00	\$7,500.00	\$245.00	\$12,250.00	\$600.00	\$30,000.00
43	NCDOT 310	36-inch R.C. Pipe Culverts, Class III (5.1 to 11-feet)	85	LF	\$200.00	\$17,000.00	\$410.00	\$34,850.00	\$650.00	\$55,250.00
44	NCDOT 310	45" x 29" Elliptical (36" Equiv.) R.C. Pipe Culverts, Class III (5.1 to 11-feet)	195	LF	\$275.00	\$53,625.00	\$520.00	\$101,400.00	\$760.00	\$148,200.00
45	NCDOT 310	60" x 38" Elliptical (48" Equiv.) R.C. Pipe Culverts, Class III (5.1 to 11-feet)	87	LF	\$375.00	\$32,625.00	\$1,100.00	\$95,700.00	\$850.00	\$73,950.00
46	NCDOT 310	36-inch Pipe End Section	1	EA	\$3,000.00	\$3,000.00	\$4,285.00	\$4,285.00	\$4,700.00	\$4,700.00
47	NCDOT 838	Reinforced Endwalls	48	CY	\$2,500.00	\$120,000.00	\$1,675.00	\$80,400.00	\$2,000.00	\$96,000.00
48	N/A	Water Tight Joints (18-inch R.C. Pipe Culverts)	10	EA	\$100.00	\$1,000.00	\$580.00	\$5,800.00	\$46.00	\$460.00
49	N/A	Water Tight Joints (36-inch R.C. Pipe Culverts)	22	EA	\$100.00	\$2,200.00	\$850.00	\$18,700.00	\$52.00	\$1,144.00
50	N/A	Water Tight Joints (45" x 29" Elliptical R.C. Pipe Culverts)	26.0	EA	\$100.00	\$2,600.00	\$1,345.00	\$34,970.00	\$1,400.00	\$36,400.00
Subtotal for Storm Drainage						\$567,986.50		\$852,355.80		\$924,694.50
Utilities										
51	NCDOT 1510	6-inch Water Line (DIP)	55	LF	\$350.00	\$19,250.00	\$165.00	\$9,075.00	\$300.00	\$16,500.00
52	30 11 00	Utility Line/Pole Relocation and Coordination Allowances	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
Subtotal for Utilities						\$29,250.00		\$19,075.00		\$26,500.00
Miscellaneous										
53	NCDOT 800	Mobilization (Multiple Small Projects)	3	EA	\$10,000.00	\$30,000.00	\$12,700.00	\$38,100.00	\$44,000.00	\$132,000.00
54	NCDOT 800	Mobilization (Manford Drive)	1	EA	\$12,000.00	\$12,000.00	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00
55	NCDOT 866	Chain Link Fence, 48-inch Fabric	110	LF	\$30.00	\$3,300.00	\$26.50	\$2,915.00	\$28.00	\$3,080.00
56	NCDOT 867	48-inch Fence Reset	115	LF	\$40.00	\$4,600.00	\$26.60	\$3,059.00	\$28.00	\$3,220.00
57	NCDOT 867	72-inch Fence Reset	150	LF	\$50.00	\$7,500.00	\$40.00	\$6,000.00	\$44.00	\$6,600.00
58	NCDOT 867	Single Gate 4' High, 5' Wide, 1 Opening	2	EA	\$300.00	\$600.00	\$400.00	\$800.00	\$500.00	\$1,000.00
59	NCDOT 867	Single Gate 6' High, 5' Wide, 1 Opening	1	EA	\$400.00	\$400.00	\$535.00	\$535.00	\$550.00	\$550.00
60	30 11 00	Testing and Inspecting Allowances	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
Subtotal for Miscellaneous						\$68,400.00		\$91,409.00		\$206,450.00
TOTAL AMOUNT FOR CONTRACT SD-2019-09						\$1,005,309.50		\$1,342,555.80		\$1,442,969.35

The bid proposals tabulated herein were opened and read aloud at 11:30 am local time on April 3, 2019 in the City of Durham Public Works Department conference room 3A, 101 City Hall Plaza, Durham, NC 27701.

Greg Smith, P.E.
City of Durham, Public Works Department

