

WS-81

BID PROPOSAL - Parks Construction of NC, Inc. - August 2010

The Contract Base Bid is the Total of the Cost in Sections I, II, III and IV

Item No.	SECTION I -PROJECT MOBILIZATION AND STREET REPAIR BID ITEMS	Units	Estimated Quantity	Bid Proposal Unit Price	Bid Total Cost
1	Mobilization (5% Maximum of the Total of all other Items in Base Bid)	LS	13	\$6,523.08	\$84,800.04
2	Construction Surveying and Stakeout	LS	1	\$22,260.00	\$22,260.00
3	Undercutting	CY	1,521	\$4.45	\$6,768.45
4	4" Concrete Sidewalk or Drive	SY	6	\$202.41	\$1,214.46
5	Flowable Fill (all roadway patching)	CY	60	\$178.08	\$10,684.80
6	Asphalt Concrete Base Course Type B25.0B (Street Resurfacing)	ton	921	\$58.83	\$54,182.43
7	Asphalt Concrete Surface Course Type S9.5B (Street Resurfacing)	ton	372	\$58.83	\$21,884.76
8	Asphalt Binder for Plant Mix, Grade PG64-2	ton	56	\$621.60	\$34,809.60
9	Stone Bedding For RCP-No.57	ton	145	\$18.68	\$2,708.60
10	Remove Existing Pipe (12" & Up)	LF	128	\$4.13	\$528.64
11	Remove Existing Catch Basin Or Manhole	each	2	\$82.68	\$165.36
12	Tree Removal (7 Inch To 12 Inch)	each	4	\$826.80	\$3,307.20
13	Tree Removal (13 Inch To 18 Inch)	each	4	\$1,033.50	\$4,134.00
14	Tree Removal (19 Inch To 24 Inch)	each	8	\$1,653.60	\$13,228.80
15	Tree Removal (25 Inch To 36 Inch)	each	4	\$2,071.24	\$8,284.96
16	Tree Removal (37 Inch To 48 Inch)	each	3	\$2,862.00	\$8,586.00
17	Tree Removal (49 Inch & Larger)	each	2	\$3,392.00	\$6,784.00
18	Gravel Construction Entrance	each	2	\$860.72	\$1,721.44
19	Mulching (4"-6" depth)	SY	80	\$15.90	\$1,272.00

SECTION I - SUBTOTAL STREET REPAIR BID ITEMS

\$287,325.54

Item No.	SECTION II - WATER SYSTEM CONSTRUCTION BID ITEMS	Units	Estimated Quantity	Unit Price Bid Proposal	Bid Total Cost
20	4 In. D.I.P. Water Main	LF	288	\$35.74	\$10,293.12
21	6 In. D.I.P. Water Main	LF	20	\$34.34	\$686.80
22	6 In. Mechanical Joint Valve & Box	each	15	\$694.96	\$10,424.40
23	8 In. D.I.P. Water Main	LF	6,351	\$22.71	\$144,231.21
24	8 In. Mechanical Joint Valve & Box	each	6	\$963.16	\$5,778.96
25	12 In. D.I.P. Water Main	LF	510	\$33.43	\$17,049.30
26	16 In. D.I.P. Water Main	LF	1,930	\$43.16	\$83,298.80
27	16 In. Gate Valve & Manhole	each	1	\$5,035.92	\$5,035.92
28	Fire Hydrant (3.5), Furnish & Install	each	6	\$1,880.19	\$11,281.14
29	Fire Hydrant (4.0), Furnish & Install	each	10	\$1,988.31	\$19,883.10
30	6 In. Hydrant Extension	each	16	\$395.31	\$6,324.96
31	Class 250 Cast Iron (M.J.D.I.P.) Fittings and Appurtenances	ton	1	\$3,805.40	\$3,805.40
32	3/4 Inch Water Service	each	4	\$566.00	\$2,264.00
33	Reconnect Existing Water Service Lateral	each	1	\$240.62	\$240.62
34	Adjust Water Meter Box	each	2	\$93.28	\$186.56
35	Remove and Replace Meter Boxes	each	1	\$151.96	\$151.96
36	1" Blowoff w/ Meterbox	each	3	\$1,056.75	\$3,170.25

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37	8 x 8 Tapping Sleeve & Valve, Furnish & Install	each	1	\$4,185.35	\$4,185.35
38	12 x 8 Tapping Sleeve & Valve, Furnish & Install	each	1	\$5,063.95	\$5,063.95
39	Sandrock Excavation (water)	CY	95	\$87.77	\$8,338.15
40	Trap Or Gneiss Rock Excavation (water)	CY	1,515	\$87.77	\$132,971.55
41	Unsuitable Materials (water)	CY	236	\$5.30	\$1,250.80
42	No. 134 Screening Stone	LF	9,099	\$1.47	\$13,375.53
43	No. 57 Stone for pipe bedding	ton	16	\$18.68	\$298.88
44	ABC - Aggregate Base Course (patching drives, etc., 4" thick)	ton	129	\$26.91	\$3,471.39
45	Asphalt Concrete Surface Course Type S9.5B (patching)	SY	35	\$47.70	\$1,669.50
46	Saw Cut Asphalt or Concrete	LF	140	\$4.63	\$648.20
47	Concrete Pavement Replacement (patching driveways - 6")	SY	21	\$72.35	\$1,519.35
48	12" RCP, Remove and Replace	LF	40	\$17.81	\$712.40
49	15" RCP, Remove and Replace	LF	241	\$17.81	\$4,292.21
50	18" RCP, Remove and Replace	LF	204	\$19.40	\$3,957.60
51	Seeding & Mulching (Type I, yards)	SY	24,331	\$0.33	\$8,029.23
52	Bore and Jack (loftin Drive)	LF	40	\$161.42	\$6,456.80
53	Check Dam	each	72	\$141.51	\$10,188.72
54	Silt Fence	LF	522	\$2.47	\$1,289.34
55	Class A Rip-Rap	SY	3	\$37.84	\$113.52

SECTION II - SUBTOTAL WATER SYSTEM CONSTRUCTION BID ITEMS

\$531,938.97

Item No.	SECTION III - SEWER SYSTEM CONSTRUCTION BID ITEMS (See Note 2 Below)	Units	Estimated Quantity	Unit Price Bid Proposal	Bid Total Cost
56	Clear & Grub Sewer Construction Limits	LF	3,752	\$7.48	\$28,064.96
57	8 In. D.I.P. Installed Pipe Only	LF	2,219	\$14.82	\$32,885.58
58	8 In. P.V.C. Installed Pipe Only	LF	8,967	\$2.51	\$22,507.17
59	8 In. Sewer Ditch Cut (0 To 6) Ft.	LF	2,296	\$15.85	\$36,391.60
60	8 In. Sewer Ditch Cut (6 To 8) Ft.	LF	3,702	\$15.85	\$58,676.70
61	8 In. Sewer Ditch Cut (8 To 10) Ft.	LF	2,494	\$15.85	\$39,529.90
62	8 In. Sewer Ditch Cut (10 To 12) Ft.	LF	920	\$20.06	\$18,455.20
63	8 In. Sewer Ditch Cut (12 To 14) Ft.	LF	792	\$25.25	\$19,998.00
64	8 In. Sewer Ditch Cut (14 To 16) Ft.	LF	637	\$31.08	\$19,797.96
65	8 In. Sewer Ditch Cut (16 To 18) Ft.	LF	251	\$37.56	\$9,427.56
66	8 In. Sewer Ditch Cut (18 To 20) Ft.	LF	64	\$44.69	\$2,860.16
67	4' Dia. Sanitary Sewer Manhole Compl. (0 To 6) Ft.	each	60	\$1,700.00	\$102,000.00
68	5' Dia. Sanitary Sewer Manhole Compl. (0 To 6) Ft.	each	1	\$2,258.37	\$2,258.37
69	5' Dia. Sanitary Sewer Doghouse Manhole Compl. (0 To 6) Ft.	each	2	\$3,869.57	\$7,739.14
70	Extra Depth Manhole (6 Inch Increments) 4'	each	437	\$53.17	\$23,235.29
71	Extra Depth Manhole (6 Inch Increments) 5'	each	47	\$150.04	\$7,051.88
72	Manhole Inserts	each	18	\$47.06	\$847.08
73	8 In. D.I.P. Drop Connection	each	6	\$1,563.50	\$9,381.00
74	8" Core Drill & Install Flexible Rubber Boot	each	4	\$781.75	\$3,127.00

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75	4 In. Sewer Service tapped to PVC (in the street) (new)	each	22	\$550.85	\$12,118.70
76	4 In. Sewer Service tapped to DIP (in the street) (new)	each	2	\$945.50	\$1,891.00
77	Sandrock Excavation (sewer)	CY	2,194	\$87.77	\$192,567.38
78	Trap Or Gneiss Rock Excavation (sewer)	CY	2,562	\$87.77	\$224,866.74
79	Unsuitable Materials (sewer)	CY	92	\$5.30	\$487.60
80	No. 134 Screening Stone	LF	11,186	\$1.47	\$16,443.42
81	No. 57 Stone for pipe bedding	ton	4,409	\$18.68	\$82,360.12
82	ABC - Aggregate Base Course (patching drives, etc., 4" thick)	ton	112	\$26.91	\$3,013.92
83	ABC - Aggregate Base Course (patching gravel roadways, 6" thick)	ton	8	\$26.91	\$215.28
84	Asphalt Concrete Base Course Type B25.0B (patching, D/W Or Replacement)	SY	154	\$79.50	\$12,243.00
85	Asphalt Concrete Surface Course Type S9.5B (patching)	SY	100	\$47.70	\$4,770.00
86	Seeding & Mulching (Type I, yards)	SY	9,232	\$0.33	\$3,046.56
87	Seeding & Mulching (Type II, outfalls)	SY	9,110	\$0.30	\$2,733.00
88	Bore and Jack (Green Lane Drive)	LF	40	\$203.82	\$8,152.80
89	Bore and Jack (Angier-Cortez Drive)	LF	40	\$203.82	\$8,152.80
90	Silt Fence	LF	5,490	\$2.47	\$13,560.30
91	Silt Fence Outlet	each	21	\$94.34	\$1,981.14
92	Check Dam	each	99	\$141.51	\$14,009.49
93	Class A Rip-Rap	ton	208	\$37.84	\$7,870.72
94	Saw Cut Asphalt or Concrete	LF	3,080	\$4.63	\$14,260.40
95	Remove and Replace Galvanized Chain Link Fence	LF	432	\$10.60	\$4,579.20
96	Removal of St. Marks Outfall Pump Station	LS	1	\$3,890.50	\$3,890.50

SECTION III SUBTOTAL - SEWER SYSTEM CONSTRUCTION BID ITEMS

\$1,077,448.62

Item No.	SECTION IV - PRIMAVERA SYSTEM BID ITEM	Units	Estimated Quantity	Unit Price Bid Proposal	Bid Total Cost
97	PDRX - Daily Report Software Development	EA	1		\$90,000.00

SECTION IV - SUBTOTAL PRIMAVERA SYSTEM BID ITEM

\$90,000.00

BASE BID SUMMARY FOR CONTRACT WS - 81	
SUBTOTAL SECTION I - STREET REPAIR	<u>\$287,325.54</u>
SUBTOTAL SECTION II - WATER SYSTEM CONSTRUCTION	<u>\$531,938.97</u>
SUBTOTAL SECTION III - SEWER SYSTEM CONSTRUCTION	<u>\$1,077,448.62</u>
SUBTOTAL SECTION VI - PRIMAVERA SYSTEM	<u>\$90,000.00</u>
BASE BID TOTAL FOR CONTRACT WS - 81	<u>\$1,986,713.13</u>

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SECTION V - ALTERNATE BID ITEMS SEWER SYSTEM ACTIVE SHORING (See Note 3 Below)		Units	Estimated Quantity	Unit Price Bid Proposal	Bid Total Cost
Brecknock Street (SR 1362)					
98	Active Shoring System @ 0-6'	LF	80	\$17.62	\$1,409.60
99	Active Shoring System@ 6-8'	LF	85	\$17.62	\$1,497.70
100	Active Shoring System @ 8-10'	LF	185	\$17.62	\$3,259.70
101	Active Shoring System @ 10-12'	LF	86	\$17.62	\$1,515.32
102	Active Shoring System @ 12-14'	LF	85	\$17.62	\$1,497.70
Donnigale (SR 1363)					
103	Active Shoring System@ 6-8'	LF	181	\$17.62	\$3,189.22
104	Active Shoring System @ 8-10'	LF	118	\$17.62	\$2,079.16
105	Active Shoring System @ 10-12'	LF	38	\$17.62	\$669.56
106	Active Shoring System @ 12-14'	LF	93	\$17.62	\$1,638.66
107	Active Shoring System @ 14-16'	LF	370	\$17.62	\$6,519.40
Loftin Drive (SR 1849)					
108	Active Shoring System @ 0-6'	LF	35	\$17.62	\$616.70
109	Active Shoring System@ 6-8'	LF	80	\$17.62	\$1,409.60
110	Active Shoring System @ 8-10'	LF	295	\$17.62	\$5,197.90
111	Active Shoring System @ 10-12'	LF	200	\$17.62	\$3,524.00
112	Active Shoring System @ 12-14'	LF	120	\$17.62	\$2,114.40
Hillsborough Road (US Hwy 70 Business)					
113	Active Shoring System@ 6-8'	LF	192	\$17.62	\$3,383.04
114	Active Shoring System @ 8-10'	LF	68	\$17.62	\$1,198.16
Cortez Drive (SR 1938)					
115	Active Shoring System@ 10-12'	LF	30	\$17.62	\$528.60
Alman Drive (SR 1371)					
116	Active Shoring System @ 0-6'	LF	85	\$17.62	\$1,497.70
117	Active Shoring System@ 6-8'	LF	155	\$17.62	\$2,731.10
118	Active Shoring System @ 8-10'	LF	75	\$17.62	\$1,321.50
119	Active Shoring System @ 10-12'	LF	40	\$17.62	\$704.80
120	Active Shoring System @ 12-14'	LF	65	\$17.62	\$1,145.30
Pickran Circle (SR 1372)					
121	Active Shoring System @ 10-12'	LF	130	\$17.62	\$2,290.60
122	Active Shoring System @ 12-14'	LF	120	\$17.62	\$2,114.40
123	Active Shoring System Sewer Services	LF	60	\$17.62	\$1,057.20
Green Lane (SR 1548)					
124	Active Shoring System@ 6-8'	LF	315	\$17.62	\$5,550.30
125	Active Shoring System @ 8-10'	LF	165	\$17.62	\$2,907.30

SUBTOTAL SECTION V- SEWER SYSTEM ACTIVE SHORING

\$62,568.62

Item No.	SECTION VI - ALTERNATE BID ITEMS ADDITIONAL ITEMS	Units	Estimated Quantity	Unit Price Bid Proposal	Bid Total Cost
125	Stone for Tree Protection (#57)	ton	10	\$25.00	\$250.00
126	Tree Protection Fencing	LF	1,000	\$3.00	\$3,000.00

SUBTOTAL SECTION VI - ADDITIONAL BID ITEMS

\$3,250.00

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SUMMARY OF ALTERNATE BID ITEMS (PLEASE NOTE TOTAL FROM ABOVE SECTIONS BELOW)	
SUBTOTAL SECTION V- SEWER SYSTEM ACTIVE SHORING	\$62,568.62
SUBTOTAL SECTION VI - ADDITIONAL BID ITEMS	\$3,250.00
TOTAL AMOUNT FOR ALTERNATE BID ITEMS	\$65,818.62

BID PROPOSAL SUMMARY	
BASE BID FOR CONTRACT WS - 81	\$1,986,713.13
TOTAL AMOUNT FOR ALTERNATE BID ITEMS	\$65,818.62
TOTAL CONTRACT AMOUNT FOR WS-81	\$2,052,531.75

- Notes: 1) The unit price bid for items in this contract are for furnishing and installing all items of work as indicated in the plans and specifications, complete, in place and accepted as per approved plans, the City of Durham Standards and Specifications and N.C. Department of Transportation Standards and Specifications.
- 2) The prices for Sewer System Construction in Section III are to reflect the cost of OSHA compliant construction using trench boxes as appropriate for both the outfall and in-street sewers on NCDOT and City streets. The unit price shall include all work and materials associated with the installation and testing of the sewer lines, manholes and sewer services using conventional (non-active shoring) construction methods.
- 3) The prices for Sewer System Active Shoring in Section IV are to reflect the additional cost of using active shoring construction methods, if required, on the NCDOT State Roads as listed in this section. The unit price shall include the provision, installation and removal of active shoring systems as the work progresses, the engineering costs and NCDOT pre-approvals of the engineered systems prior to construction, and any additional costs for the installation and testing of the sewer lines, manholes and sewer services due to lost productivity and overhead associated with the use of active shoring systems. The contractor is responsible for including in these costs, the fees associated with the preparation of engineered active shoring construction drawings, signed and sealed by a Professional Engineer registered in the State of North Carolina, in good standing and qualified to practice in that capacity. The contractor shall be responsible for hiring the Professional Engineer (firm) qualified to perform the work, and shall be responsible for the submittal, and re-submittal as required, to NCDOT to obtain NCDOT approval of the active shoring plans prior to construction of these projects. The active shoring pay items may not be necessary, as the City will continue to have discussions with NCDOT to seek relief from this requirement. Therefore the bid items in Section III will reflect the total payment for the installation of and testing of the sewer lines, manholes and sewer services should active shoring not be required on any or all of the NCDOT streets listed in Section IV.
- 4) We agree to diligently perform the work in accordance with all contract documents, to complete such work within the period as outlined in the contract, and to begin work within ten (10) days after receipt of the Notice to Proceed from the Engineer.