

**Storm Sewer Cave-In Repair**

**BID LINE ITEMS**

BID #: CP-0143-16

ITEM NO.		DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED PRICE
<b>STANDARD REPAIR "SR" (items No.1 to No.62)</b>						
1	SR	Mobilization 6"-12"	EA	10	2089. <sup>84</sup>	20,898. <sup>40</sup>
2	SR	Mobilization 15"-18"	EA	35	2290. <sup>83</sup>	80,161. <sup>53</sup>
3	SR	Mobilization 21"-30"	EA	25	2490. <sup>82</sup>	62,270. <sup>50</sup>
4	SR	Mobilization 36"-48"	EA	15	2691. <sup>32</sup>	40,369. <sup>80</sup>
5	SR	Mobilization 54"-72"	EA	5	3025. <sup>47</sup>	15,127. <sup>35</sup>
6	SR	Mobilization Box Culvert	EA	2	2490. <sup>82</sup>	4,981. <sup>64</sup>
7	SR	Mobilization Structure	EA	10	2290. <sup>83</sup>	22,903. <sup>30</sup>
8	SR	Site Preparation 0' to 5' Depth	SF	10000	18. <sup>10</sup>	181,000. <sup>00</sup>
9	SR	Site Preparation > 5' to 10' Depth	SF	10000	13. <sup>92</sup>	139,200. <sup>00</sup>
10	SR	Site Preparation >10' to 15' Depth	SF	5000	10. <sup>44</sup>	52,200. <sup>00</sup>
11	SR	Site Preparation >15' to 18' Depth	SF	500	9. <sup>75</sup>	4,875. <sup>00</sup>
12	SR	Collar Type 1 Repair 6"- 12"	EA	2	864. <sup>46</sup>	1,729. <sup>32</sup>
13	SR	Collar Type 1 Repair 15"- 18"	EA	10	1001. <sup>43</sup>	10,014. <sup>30</sup>
14	SR	Collar Type 1 Repair 21"- 30"	EA	8	1095. <sup>62</sup>	8,764. <sup>96</sup>
15	SR	Collar Type 1 Repair 36"- 42"	EA	5	1103. <sup>81</sup>	5,519. <sup>05</sup>
16	SR	Collar Type 1 Repair 48"- 54"	EA	5	1261. <sup>06</sup>	6,305. <sup>30</sup>
17	SR	Collar Type 1 Repair 60"- 72"	EA	2	1339. <sup>68</sup>	2,679. <sup>36</sup>
18	SR	Collar Type 2 or 3 Repair 6"- 12"	EA	1	1143. <sup>12</sup>	1,143. <sup>12</sup>
19	SR	Collar Type 2 or 3 Repair 15"- 18"	EA	1	1279. <sup>89</sup>	1,279. <sup>89</sup>
20	SR	Collar Type 2 or 3 Repair 21"- 30"	EA	1	1439. <sup>60</sup>	1,439. <sup>60</sup>
21	SR	Collar Type 2 or 3 Repair 36"- 42"	EA	1	1485. <sup>46</sup>	1,485. <sup>46</sup>
22	SR	Collar Type 2 or 3 Repair 48"- 54"	EA	1	1623. <sup>05</sup>	1,623. <sup>05</sup>
23	SR	Collar Type 2 or 3 Repair 60"- 72"	EA	1	1724. <sup>61</sup>	1,724. <sup>61</sup>
24	SR	Collar Type 4 Repair 6"- 12"	EA	5	897. <sup>42</sup>	4,487. <sup>10</sup>
25	SR	Collar Type 4 Repair 15"- 18"	EA	10	1020. <sup>27</sup>	10,202. <sup>70</sup>
26	SR	Collar Type 4 Repair 21"- 30"	EA	8	1110. <sup>36</sup>	8,882. <sup>88</sup>
27	SR	Collar Type 4 Repair 36"- 42"	EA	5	1175. <sup>82</sup>	5,879. <sup>40</sup>
28	SR	Collar Type 4 Repair 48"- 54"	EA	5	1319. <sup>21</sup>	6,596. <sup>05</sup>
29	SR	Collar Type 4 Repair 60"- 72"	EA	1	1380. <sup>43</sup>	1,380. <sup>43</sup>
30	SR	Area Rigid Pipe, Box Culvert or Struct. Repair	SF	10	65. <sup>52</sup>	655. <sup>20</sup>
31	SR	Area Flexible Pipe Repair	SF	10	65. <sup>52</sup>	655. <sup>20</sup>
32	SR	Remove & Replace Rigid Pipe 6"	LF	20	17. <sup>20</sup>	344. <sup>00</sup>
33	SR	Remove & Replace Rigid Pipe 8"	LF	20	19. <sup>66</sup>	393. <sup>20</sup>
34	SR	Remove & Replace Rigid Pipe 10"	LF	20	25. <sup>39</sup>	507. <sup>80</sup>
35	SR	Remove & Replace Rigid Pipe 12"	LF	20	29. <sup>48</sup>	589. <sup>60</sup>
36	SR	Remove & Replace Rigid Pipe 15"	LF	100	33. <sup>58</sup>	3,358. <sup>00</sup>
37	SR	Remove & Replace Rigid Pipe 18"	LF	100	35. <sup>63</sup>	3,563. <sup>00</sup>
38	SR	Remove & Replace Rigid Pipe 24"	LF	50	37. <sup>67</sup>	1,883. <sup>50</sup>
39	SR	Remove & Replace Rigid Pipe 30"	LF	50	48. <sup>32</sup>	2,416. <sup>00</sup>
40	SR	Remove & Replace Rigid Pipe 36"	LF	50	58. <sup>15</sup>	2,907. <sup>50</sup>
41	SR	Remove & Replace Rigid Pipe 42"	LF	25	66. <sup>34</sup>	1,658. <sup>50</sup>
42	SR	Remove & Replace Rigid Pipe 48"	LF	25	76. <sup>99</sup>	1,924. <sup>75</sup>
43	SR	Remove & Replace Rigid Pipe 54"	LF	10	118. <sup>76</sup>	1,187. <sup>60</sup>
44	SR	Remove & Replace Rigid Pipe 60"	LF	10	135. <sup>14</sup>	1,351. <sup>40</sup>
45	SR	Remove & Replace Rigid Pipe 66"	LF	10	138. <sup>41</sup>	1,384. <sup>10</sup>
46	SR	Remove & Replace Rigid Pipe 72"	LF	10	140. <sup>05</sup>	1,400. <sup>50</sup>
47	SR	Remove & Replace Flexible Pipe 6"	LF	100	13. <sup>92</sup>	1,392. <sup>00</sup>
48	SR	Remove & Replace Flexible Pipe 8"	LF	20	16. <sup>38</sup>	327. <sup>60</sup>
49	SR	Remove & Replace Flexible Pipe 10"	LF	20	17. <sup>20</sup>	344. <sup>00</sup>
50	SR	Remove & Replace Flexible Pipe 12"	LF	20	21. <sup>29</sup>	425. <sup>80</sup>



**Storm Sewer Cave-In Repair**

51	SR	Remove & Replace Flexible Pipe 15"	LF	100	27.85	2,785.00
52	SR	Remove & Replace Flexible Pipe 18"	LF	100	31.12	3,112.00
53	SR	Remove & Replace Flexible Pipe 24"	LF	50	35.22	1,761.00
54	SR	Remove & Replace Flexible Pipe 30"	LF	50	44.23	2,211.50
55	SR	Remove & Replace Flexible Pipe 36"	LF	50	51.60	2,580.00
56	SR	Remove & Replace Flexible Pipe 42"	LF	25	63.82	1,597.00
57	SR	Remove & Replace Flexible Pipe 48"	LF	25	71.25	1,781.25
58	SR	Remove & Replace Flexible Pipe 54"	LF	10	104.01	1,040.10
59	SR	Remove & Replace Flexible Pipe 60"	LF	10	113.84	1,138.40
60	SR	Remove & Replace Flexible Pipe 66"	LF	10	114.66	1,146.60
61	SR	Remove & Replace Flexible Pipe 72"	LF	10	118.74	1,187.40
62	SR	Cementitious Water-Stop/Waterproofing	SF	100	13.10	1,310.00
<b>CHEMICAL GROUT REPAIR "CG" (items No.63 to No.81)</b>						
63	CG	Mobilization 6"-12"	EA	2	1330.04	2,660.12
64	CG	Mobilization 15"-18"	EA	2	2115.48	4,230.96
65	CG	Mobilization 21"-30"	EA	25	2220.88	55,522.00
66	CG	Mobilization 36"-48"	EA	35	1832.44	64,142.40
67	CG	Mobilization 54"-72"	EA	25	2545.92	63,648.00
68	CG	Mobilization Box Culvert	EA	5	2433.41	12,165.28
69	CG	Mobilization Structure	EA	10	2237.20	22,372.00
70	CG	Site Preparation 0' to 5' Depth	SF	5000	19.72	98,600.00
71	CG	Site Preparation > 5' to 10' Depth	SF	15000	14.94	224,400.00
72	CG	Site Preparation >10' to 15' Depth	SF	5000	10.88	54,400.00
73	CG	Site Preparation >15' to 18' Depth	SF	500	8.84	4,420.00
74	CG	Collar Type 5 Repair 6"-12"	EA	2	495.33	990.66
75	CG	Collar Type 5 Repair 15"-18"	EA	2	918.00	1,836.00
76	CG	Collar Type 5 Repair 21"-30"	EA	20	1802.00	36,040.00
77	CG	Collar Type 5 Repair 36"-42"	EA	30	1989.68	59,690.40
78	CG	Collar Type 5 Repair 48"-54"	EA	30	2210.00	66,300.00
79	CG	Collar Type 5 Repair 60"-72"	EA	20	2666.28	53,325.60
80	CG	Unspecified LF Repair	LF	200	81.60	16,320.00
81	CG	Unspecified Gallon Repair	GAL	200	127.84	25,568.00
<b>ANCILLARY ITEMS "AI" (items No.82 to No.159)</b>						
82	AI	Maintenance of Traffic (Two Lane, 2-way traffic)	EA	40	100.00	4,000.00
83	AI	Maintenance of Traffic (Multi Lane, 1-way traffic)	EA	30	200.00	6,000.00
84	AI	Maintenance of Traffic (Multi Lane, 2-way traffic)	EA	20	300.00	6,000.00
85	AI	Maintenance of Traffic (Closure)	EA	25	500.00	12,500.00
86	AI	Message Board	DAY	100	49.14	4,914.00
87	AI	Mobilization (Roadway and Right of Way)	EA	2	1572.48	3,144.96
88	AI	Mobilization (Asphaltic Concrete Milling >50 sq. yds.)	EA	5	972.15	4,860.75
89	AI	Mobilization (Asphaltic Concrete Paving)	EA	5	972.15	4,860.75
90	AI	Case X Asphaltic Concrete Paving Repair	SY	8000	40.37	322,960.00
91	AI	Asphaltic Concrete	Ton	200	211.30	42,260.00
92	AI	Concrete Removal, Haul and Disposal	SY	200	13.10	2,620.00
93	AI	Asphaltic Milling (1.5" Depth)	SY	500	12.29	6,145.00
94	AI	Limerock (6" Lift)	SY	100	11.06	1,106.00
95	AI	Limerock (Additional 1" Lift)	SY	100	2.21	221.00
96	AI	Crushed Concrete (6" Lift)	SY	100	11.06	1,106.00
97	AI	Crushed Concrete (Additional 1" Lift)	SY	100	2.21	221.00
98	AI	Stabilized Subgrade (Vehicular Traffic Bearing Areas)	SY	100	8.19	819.00
99	AI	Curb & Gutter (City standard, median, drop, header & Miami)	LF	5000	18.84	94,200.00
100	AI	Concrete Sidewalk (4" depth)	SY	2000	26.21	52,420.00
101	AI	Concrete Sidewalk (5" depth)	SY	1000	31.94	31,940.00



**Storm Sewer Cave-In Repair**

102	AI	Concrete Handicapped Ramp (5" depth)	SY	200	31.94	6,388.00
103	AI	Concrete Driveway (5" depth)	SY	2000	31.94	63,880.00
104	AI	Concrete Driveway (6" depth)	SY	1000	33.58	33,580.00
105	AI	Cementitious Non-Shrink Grout/Plaster	SF	500	13.10	6,550.00
106	AI	Modification Brick	CF	100	11.70	1,170.00
107	AI	Modification Sawcut (= or < 8" Depth)	LF	20	20.48	409.40
108	AI	Modification Concrete and Steel	CY	5	962.33	4,811.65
109	AI	Miscellaneous Concrete (Non-reinforced)	CY	1	237.51	237.51
110	AI	Miscellaneous Concrete (Reinforced)	CY	5	278.46	1,392.30
111	AI	New Structure (Inlet, Manhole or Endwall)	CF	1000	11.70	11,700.00
112	AI	Manhole Cover and Frame	EA	1	311.22	311.22
113	AI	Catch Basin or Curb Inlet Grate and Frame	EA	1	344.46	344.46
114	AI	Curb Iron	EA	1	118.74	118.74
115	AI	Type "E" Grates and Frames (Traffic bearing)	EA	1	475.02	475.02
116	AI	1" Steel Plate (Including openings, anchors and welds)	SF	100	6.96	696.00
117	AI	Sand-Cement Rip-Rap Endwall	Bag	250	12.29	3,072.50
118	AI	Rip-Rap (Over filter fabric)	SY	200	40.13	8,026.00
119	AI	A-3 Fill	CY	2500	11.47	28,675.00
120	AI	Stone (No. 57 or Equivalent)	CY	1500	31.12	46,680.00
121	AI	Over Excavation	CY	100	4.10	410.00
122	AI	Pipe Encasement	CY	200	8.19	1,638.00
123	AI	Connect (< 15" pipe to existing structure)	EA	1	319.41	319.41
124	AI	Connect (15" to 24" pipe to existing structure)	EA	1	348.08	348.08
125	AI	Connect (30" to 42" pipe to existing structure)	EA	1	389.03	389.03
126	AI	Connect (48" to 60" pipe to existing structure)	EA	1	532.35	532.35
127	AI	Connect (66" to 72" pipe to existing structure)	EA	1	696.15	696.15
128	AI	Connect (New structure to existing <15" pipe)	EA	1	450.45	450.45
129	AI	Connect (New structure to existing 15" to 24" pipe)	EA	1	511.88	511.88
130	AI	Connect (New structure to existing 30" to 42" pipe)	EA	1	589.48	589.48
131	AI	Connect (New structure to existing 48" to 60" pipe)	EA	1	696.15	696.15
132	AI	Connect (New structure to existing 66" to 72" pipe)	EA	1	982.80	982.80
133	AI	Seed and Mulch	SY	2000	1.47	2,940.00
134	AI	Grassing Sod	SY	15000	2.38	35,700.00
135	AI	Tree Removal (6" to 12" diameter)	EA	20	409.50	8,190.00
136	AI	Tree Removal (13" to 24" diameter)	EA	20	1,138.41	22,768.20
137	AI	Tree Removal (25" to 36" diameter)	EA	10	1,244.88	12,448.80
138	AI	Chain Link Fence (New construction, City Standard, 4' height)	LF	200	13.92	2,784.00
139	AI	Chain Link Fence (New construction, City Standard, 5' height)	LF	200	15.56	3,112.00
140	AI	Chain Link Fence (New Construction, City Standard, 6' height)	LF	100	21.29	2,129.00
141	AI	Wood Privacy Fence (New Construction, All Styles, 6' height)	LF	100	27.85	2,785.00
142	AI	Pavement Marking (Painted Stripes and Stop Bars, All Colors)	SF	100	2.46	246.00
143	AI	Pavement Marking (Thermoplastic Stripes and Stop Bars, All Colors)	SF	100	4.10	410.00
144	AI	Pavement Marking (Painted Arrows, Symbols, Etc., All Colors)	SF	50	2.87	143.50
145	AI	Pavement Marking (Thermoplastic Arrows, Symbols, Etc., All Colors)	SF	50	4.10	205.00
146	AI	Pavement Marking (Retro-Reflective Pavement Markers)	EA	10	24.57	245.70
147	AI	Inductive Loop Assembly (TYPE F- 6' X 30') (660-2-106)	EA	1	2,316.95	2,316.95
148	AI	Underdrain	LF	50	17.20	860.00
149	AI	Underdrain Cleanout	EA	1	155.61	155.61
150	AI	Underdrain Connection	EA	5	237.51	1,187.55
151	AI	Flowable Fill	CY	60	212.13	12,727.20
152	AI	Steel Sheeting and Plates (Install and Remove)	SF	1000	1.39	1,390.00
153	AI	ByPass Pumping (> 4" Diameter)	DAY	100	237.51	23,751.00

**Storm Sewer Cave-In Repair**

154	AI	Mechanical Cleaning	CY	500	14.74	7,370.00
155	AI	Miscellaneous Cave-In Labor (4 man crew plus Foreman)	HR	200	184.28	36,856.00
156	AI	Miscellaneous Cave-In Materials (\$100 material cost plus 20%)	EA	25	\$120.00	\$3,000.00
157	AI	Miscellaneous Cave-In Equipment (\$100 rental cost includes operator)	EA	25	\$100.00	\$2,500.00
158	AI	Storm Sewer System Investigation	HR	100	266.18	26,618.00
159	AI	Project Site Records	EA	200	204.75	40,950.00

TOTAL BASE BID (ITEMS 1-159)

\$ 2,704,265.33

Also Enter Total Base Bid Amount on Page 3-1

NOTE: Unit prices for all progressive items shall reflect a consistent price escalation, though the amount may differ. Proposals in which the prices obviously are unbalanced will be rejected.

For Example:

Line items 1-5, 12-17 and 70-73 are progressive. As the descriptions amount, size, complexity, etc., increase so shall the price escalate.

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