

MEMORANDUM

To: Mayor and City Council

From: David Elliott

Date: March 28, 2015

Subject: **Approval of Funding for Stormwater Pipe Repairs at 1495 Devonshire Way.**

ITEM DESCRIPTION

Approval of Funding for Stormwater Pipe Repairs at 1495 Devonshire Way. Estimate for the rehabilitation and sinkhole repair is \$72,734, which includes a 10% contingency. This proposed project would be funded with the Stormwater Repairs and Maintenance Budget.

BACKGROUND

Needed repairs were located after resident complaint of sinkhole at 1495 Devonshire Way. The pipe in this area is 322' in length and comprised of 24" corrugated metal pipe. The pipe is deteriorated throughout its length and has significant failures on both the upstream and downstream portions.

To properly complete this repair, a large junction box and 10' section of pipe on the downstream end needs to be excavated and replaced. This replacement will require access with an excavator. Disturbance of landscaping and fencing is anticipated when accessing this area with heavy equipment. The majority (312') of this stormwater system will be repaired with Cured in Place Pipe (CIPP) lining.

The scope of this project includes removal and replacement of both a large junction box and 10' of culvert, cured in place rehabilitation of 312' of culvert, installation of new inverts in 2 existing junction boxes, installation of new headwall, installation of riprap apron, and landscape repairs anticipated from equipment access.

RECOMMENDED ACTION

Staff recommends approving \$72,734 in funding for Stormwater Culvert Repairs at 1495 Devonshire Way.

#5.



Large sinkhole resulting from a downstream culvert failure



Failing portion of upstream culvert

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
General Conditions					
1	Mobilization	EA	\$ 2,269.00	1	\$ 2,269.00
2	Out of Scope Work, Foreman	HR	\$ 46.00	2	\$ 92.00
3	Out of Scope Work, Laborer	HR	\$ 35.00	8	\$ 280.00
Traffic Control					
4	Traffic Control Major (Detours etc. for road closure complete)	DY	\$ 2,269.00		\$ -
5	Traffic Control Minor (Two flagman, etc.)	DY	\$ 681.00		\$ -
6	Mobile Electronic Detour Signs	DY	\$ 284.00		\$ -
TV Inspection and Jet-Vac Cleaning					
7	TV Storm Lines (includes DVD & Report)	LF	\$ 5.00	312	\$ 1,560.00
8	Visual Inspection (Pictures), per Project (During Construction)	EA	\$ 284.00	1	\$ 284.00
9	Hydro-Excavation (Complete)	HR	\$ 341.00		\$ -
Storm Line Cleaning (less than 25% full)					
10	12" PIPE- Cleaning less than 25% full	LF	\$ 3.00		\$ -
11	15" PIPE- Cleaning less than 25% full	LF	\$ 3.00		\$ -
12	18" PIPE- Cleaning less than 25% full	LF	\$ 3.00	78	\$ 234.00
13	21" PIPE- Cleaning less than 25% full	LF	\$ 4.00		\$ -
14	24" PIPE- Cleaning less than 25% full	LF	\$ 4.00	234	\$ 936.00
15	30" PIPE- Cleaning less than 25% full	LF	\$ 4.00		\$ -
16	36" PIPE - Cleaning less than 25% full	LF	\$ 4.00		\$ -
17	42" PIPE- Cleaning less than 25% full	LF	\$ 5.00		\$ -
18	48" PIPE- Cleaning less than 25% full	LF	\$ 6.00		\$ -
19	54" PIPE- Cleaning less than 25% full	LF	\$ 8.00		\$ -
20	60" PIPE - Cleaning less than 25% full	LF	\$ 10.00		\$ -
21	66" PIPE - Cleaning less than 25% full	LF	\$ 12.00		\$ -
22	72" PIPE - Cleaning less than 25% full	LF	\$ 13.00		\$ -
23	78" PIPE - Cleaning less than 25% full	LF	\$ 16.00		\$ -
24	84" PIPE - Cleaning less than 25% full	LF	\$ 18.00		\$ -
25	90" PIPE - Cleaning less than 25% full	LF	\$ 19.00		\$ -
26	96" PIPE - Cleaning less than 25% full	LF	\$ 20.00		\$ -
Storm Line Cleaning (25% full or greater)					
27	12" PIPE- Cleaning 25% full or greater	LF	\$ 6.00		\$ -
28	15" PIPE- Cleaning 25% full or greater	LF	\$ 7.00		\$ -
29	18" PIPE - Cleaning 25% full or greater	LF	\$ 8.00		\$ -
30	21" PIPE - Cleaning 25% full or greater	LF	\$ 10.00		\$ -
31	24" PIPE - Cleaning 25% full or greater	LF	\$ 12.00		\$ -
32	30" PIPE - Cleaning 25% full or greater	LF	\$ 14.00		\$ -
33	36" PIPE- Cleaning 25% full or greater	LF	\$ 18.00		\$ -
34	42" PIPE - Cleaning 25% full or greater	LF	\$ 21.00		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
35	48" PIPE- Cleaning 25% full or greater	LF	\$ 23.00		\$ -
36	54" PIPE- Cleaning 25% full or greater	LF	\$ 32.00		\$ -
37	60" PIPE - Cleaning 25% full or greater	LF	\$ 35.00		\$ -
38	66" PIPE - Cleaning 25% full or greater	LF	\$ 37.00		\$ -
39	72" PIPE- Cleaning 25% full or greater	LF	\$ 40.00		\$ -
40	78" PIPE- Cleaning 25% full or greater	LF	\$ 41.00		\$ -
41	84" PIPE - Cleaning 25% full or greater	LF	\$ 42.00		\$ -
42	90" PIPE - Cleaning 25% full or greater	LF	\$ 44.00		\$ -
43	96" PIPE - Cleaning 25% full or greater	LF	\$ 46.00		\$ -
Specialty Storm Line Cleaning, Applicable to heavy roots, Large diameter rocks, large debris, etc					
44	12" to 36" PIPE	LF	\$ 29.00		\$ -
45	42" to 96" PIPE	LF	\$ 69.00		\$ -
Spiral Rib Corr. Steel Pipe (14 gal. Tp. 2 Alum) Includes excavation, backfill, & compaction					
46	15" SRCMP	LF	\$ 40.00		\$ -
47	18" SRCMP	LF	\$ 42.00		\$ -
48	24" SRCMP	LF	\$ 49.00	10	\$ 490.00
49	30" SRCMP	LF	\$ 61.00		\$ -
50	36" SRCMP	LF	\$ 75.00		\$ -
51	42" SRCMP	LF	\$ 88.00		\$ -
52	48" SRCMP	LF	\$ 100.00		\$ -
53	54" SRCMP	LF	\$ 118.00		\$ -
54	60" SRCMP	LF	\$ 131.00		\$ -
55	72" SRCMP	LF	\$ 183.00		\$ -
56	84" SRCMP	LF	\$ 224.00		\$ -
57	96" SRCMP	LF	\$ 246.00		\$ -
Reinforced Concrete Pipe (RCP) Tp 3 Includes excavation, backfill, & compaction					
58	18" RCP	LF	\$ 40.00		\$ -
59	24" RCP	LF	\$ 48.00		\$ -
60	30" RCP	LF	\$ 59.00		\$ -
61	36" RCP	LF	\$ 76.00		\$ -
62	42" RCP	LF	\$ 97.00		\$ -
63	48" RCP	LF	\$ 122.00		\$ -
64	54" RCP	LF	\$ 152.00		\$ -
65	60" RCP	LF	\$ 185.00		\$ -
66	72" RCP	LF	\$ 264.00		\$ -
High Density Polyethaline Pipe (HDPE) Includes excavation, backfill, & compaction					
67	15" HDPE	LF	\$ 32.00		\$ -
68	18" HDPE	LF	\$ 34.00		\$ -
69	24" HDPE	LF	\$ 42.00		\$ -
70	30" HDPE	LF	\$ 55.00		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
71	36" HDPE	LF	\$ 61.00		\$ -
72	42" HDPE	LF	\$ 71.00		\$ -
73	48" HDPE	LF	\$ 91.00		\$ -
74	54" HDPE	LF	\$ 144.00		\$ -
75	60" HDPE	LF	\$ 163.00		\$ -
76	72" HDPE	LF	\$ 199.00		\$ -
Additional Depth for Pipes Includes excavation, backfill, & compaction					
77	Invert >8.1' to 12'	LF	\$ 23.00		\$ -
78	Invert >12'	LF	\$ 35.00		\$ -
Metal Flared End Sections: (GADOT STD 1120)					
79	18" MFES 16 Gauge In Place	EA	\$ 210.00		\$ -
80	24" MFES 14 Gauge In Place	EA	\$ 281.00		\$ -
81	30" MFES 14 Gauge In Place	EA	\$ 455.00		\$ -
82	36" MFES 14 Gauge In Place	EA	\$ 659.00		\$ -
83	42" MFES 14 Gauge In Place	EA	\$ 1,496.00		\$ -
Metal Safety End Sections: 4:1 Slope GADOT Special Detail					
84	18" SFES 16 Gauge In Place	EA	\$ 612.00		\$ -
85	24" SFES 16 Gauge In Place	EA	\$ 786.00		\$ -
86	30" SFES 12 Gauge In Place	EA	\$ 1,517.00		\$ -
87	36" SFES 12 Gauge In Place	EA	\$ 1,678.00		\$ -
88	42" SFES 12 Gauge In Place	EA	\$ 2,431.00		\$ -
89	48" SFES 12 Gauge In Place	EA	\$ 3,321.00		\$ -
Precast Concrete Flared End Section					
90	18" CFES In Place	EA	\$ 634.00		\$ -
91	24" CFES In Place	EA	\$ 773.00		\$ -
92	30" CFES In Place	EA	\$ 956.00		\$ -
93	36" CFES In Place	EA	\$ 1,199.00		\$ -
94	42" CFES In Place	EA	\$ 1,382.00		\$ -
Precast Headwalls					
95	Precast Headwall for 18" Pipe	EA	\$ 637.00		\$ -
96	Precast Headwall for 24" Pipe	EA	\$ 784.00	1	\$ 784.00
97	Precast Headwall for 30" Pipe	EA	\$ 1,074.00		\$ -
98	Precast Headwall for 36" Pipe	EA	\$ 1,131.00		\$ -
99	Precast Headwall for 42" Pipe	EA	\$ 1,508.00		\$ -
100	Precast Headwall for 48" Pipe	EA	\$ 1,622.00		\$ -
101	Precast Headwall for 18" Pipe w/ Velocity Dissipater	EA	\$ 1,127.00		\$ -
102	Precast Headwall for 24" Pipe w/ Velocity Dissipater	EA	\$ 1,404.00		\$ -
103	Precast Headwall for 30" Pipe w/ Velocity Dissipater	EA	\$ 2,032.00		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
104	Precast Headwall for 36" Pipe w/ Velocity Dissipater	EA	\$ 2,032.00		\$ -
105	Precast Headwall for 42" Pipe w/ Velocity Dissipater	EA	\$ 2,430.00		\$ -
106	Precast Headwall for 48" Pipe w/ Velocity Dissipater	EA	\$ 2,430.00		\$ -
Cast-in-Place Concrete Headwall					
107	Cast-in-Place Concrete Headwall- Dekalb Std. Detail	CY	\$ 755.00		\$ -
108	Cast-in-Place Concrete Headwall- GDOT Std. Det. 1125	CY	\$ 766.00		\$ -
Brick-in-Place Headwall					
109	Brick Headwall for 18" Pipe	EA	\$ 369.00		\$ -
110	Brick Headwall for 24" Pipe	EA	\$ 414.00		\$ -
111	Brick Headwall for 30" Pipe	EA	\$ 454.00		\$ -
112	Brick Headwall for 36" Pipe	EA	\$ 511.00		\$ -
113	Brick Headwall for 42" Pipe	EA	\$ 698.00		\$ -
114	Brick Headwall for 48" Pipe	EA	\$ 738.00		\$ -
115	Brick Headwall for 54" Pipe	EA	\$ 823.00		\$ -
116	Brick Headwall for 60" Pipe	EA	\$ 908.00		\$ -
117	Brick Headwall for 72" Pipe	EA	\$ 1,050.00		\$ -
Rubble Masonry Headwalls (per Dekalb Co. or Gwinnett Co,Standards)					
118	Rubble Headwall for 18" Pipe	EA	\$ 562.00		\$ -
119	Rubble Headwall for 24" Pipe	EA	\$ 738.00		\$ -
120	Rubble Headwall for 30" Pipe	EA	\$ 902.00		\$ -
121	Rubble Headwall for 36" Pipe	EA	\$ 1,021.00		\$ -
Flowable Paved Pipe Invert					
122	18" Diameter	LF	\$ 23.00		\$ -
123	24" Diameter	LF	\$ 23.00		\$ -
124	30" Diameter	LF	\$ 23.00		\$ -
125	36" Diameter	LF	\$ 25.00		\$ -
126	42" Diameter	LF	\$ 29.00		\$ -
127	48" Diameter	LF	\$ 39.00		\$ -
128	60" Diameter	LF	\$ 48.00		\$ -
129	72" Diameter	LF	\$ 63.00		\$ -
130	96" Diameter	LF	\$ 88.00		\$ -
Internal Pipe Point Repairs (Including cutting, trimming, jacking, etc.)					
131	18" Diameter	LF	\$ 224.73		\$ -
132	24" Diameter	LF	\$ 281.16		\$ -
133	30" Diameter	LF	\$ 281.16		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
134	36" Diameter LF \$	LF	\$ 281.16		\$ -
135	42" Diameter LF \$	LF	\$ 281.16		\$ -
136	48" Diameter LF \$	LF	\$ 281.16		\$ -
137	60" Diameter LF \$	LF	\$ 281.16		\$ -
138	72" Diameter LF \$	LF	\$ 281.16		\$ -
139	96" Diameter LF \$	LF	\$ 281.16		\$ -
Storm Drain Catch Basins New Std. Catch Basins shall be GDOT 1033/1034 or Dekalb Stds.					
140	4'-Dia. Brick Catch Basin GADOT 1033/1034	VF	\$ 454.00		\$ -
141	5'-Dia. Brick Catch Basin GADOT 1033/1034	VF	\$ 494.00		\$ -
142	6'-Dia. Brick Catch Basin GADOT 1033/1034	VF	\$ 534.00		\$ -
143	4'-Dia. Precast Catch Basin GADOT 1033/1034	VF	\$ 454.00		\$ -
144	5'-Dia. Precast Catch Basin GADOT 1033/1034	VF	\$ 494.00		\$ -
145	6'-Dia. Precast Catch Basin GADOT 1033/1034	VF	\$ 534.00		\$ -
STORM DRAIN INLETS & MANHOLES					
New Std. Inlet shall be GDOT 1019/1011 or Dekalb Stds. Brick Square Inlets					
146	4' Square Brick Inlet w/ Flush Grate Only	VF	\$ 369.00		\$ -
147	5' Square Brick Inlet w/ Flush Grate Only	VF	\$ 397.00		\$ -
148	6' Square Brick Inlet w/ Flush Grate Only	VF	\$ 483.00		\$ -
149	4' Square Brick Inlet w/ Curb Hood & Grate	VF	\$ 369.00		\$ -
150	5' Square Brick Inlet w/ Curb Hood & Grate	VF	\$ 397.00		\$ -
151	6' Square Brick Inlet w/ Curb Hood & Grate	VF	\$ 483.00		\$ -
152	4' Square Brick Inlet w/ Pedestal Top & Grate	VF	\$ 397.00		\$ -
153	5' Square Brick Inlet w/ Pedestal Top & Grate	VF	\$ 511.00		\$ -
154	6' Square Brick Inlet w/ Pedestal Top & Grate	VF	\$ 624.00		\$ -
Brick Round Inlets					
155	4' Round Brick Inlet w/ Flush Grate Only	VF	\$ 341.00		\$ -
156	5' Round Brick Inlet w/ Flush Grate Only	VF	\$ 454.00		\$ -
157	6' Round Brick Inlet w/ Flush Grate Only	VF	\$ 568.00		\$ -
158	4' Round Brick Inlet w/ Curb Hood & Grate	VF	\$ 397.00		\$ -
159	5' Round Brick Inlet w/ Curb Hood & Grate	VF	\$ 511.00		\$ -
160	6' Round Brick Inlet w/ Curb Hood & Grate	VF	\$ 568.00		\$ -
161	4' Round Brick Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 397.00		\$ -
162	5' Round Brick Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 511.00		\$ -
163	6' Round Brick Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 568.00		\$ -
Precast Square Inlets					

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
164	4' Square Precast Inlet w/ Flush Grate Only	VF	\$ 511.00		\$ -
165	5' Square Precast Inlet w/ Flush Grate Only	VF	\$ 624.00		\$ -
166	6' Square Precast Inlet w/ Flush Grate Only	VF	\$ 738.00		\$ -
167	4' Square Precast Inlet w/ Curb Hood & Grate	VF	\$ 568.00		\$ -
168	5' Square Precast Inlet w/ Curb Hood & Grate	VF	\$ 681.00		\$ -
169	6' Square Precast Inlet w/ Curb Hood & Grate	VF	\$ 794.00		\$ -
170	4' Square Precast Inlet w/ Pedestal Top & Grate	VF	\$ 568.00		\$ -
171	5' Square Precast Inlet w/ Pedestal Top & Grate	VF	\$ 681.00		\$ -
172	6' Square Precast Inlet w/ Pedestal Top & Grate	VF	\$ 794.00		\$ -
Precast Round Inlets					
173	4' Round Precast Inlet w/ Flush Grate Only	VF	\$ 257.00		\$ -
174	5' Round Precast Inlet w/ Flush Grate Only	VF	\$ 345.00		\$ -
175	6' Round Precast Inlet w/ Flush Grate Only	VF	\$ 510.00		\$ -
176	4' Round Precast Inlet w/ Curb Hood & Grate	VF	\$ 303.00		\$ -
177	5' Round Precast Inlet w/ Curb Hood & Grate	VF	\$ 404.00		\$ -
178	6' Round Precast Inlet w/ Curb Hood & Grate	VF	\$ 530.00		\$ -
179	4' Round Precast Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 357.00		\$ -
180	5' Round Precast Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 404.00		\$ -
181	6' Round Precast Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 569.00		\$ -
Square Brick Manholes					
182	4' Square Brick Manhole w/ Manhole Ring & Cover	VF	\$ 511.00		\$ -
183	5' Square Brick Manhole w/ Manhole Ring & Cover	VF	\$ 568.00		\$ -
184	6' Square Brick Manhole w/ Manhole Ring & Cover	VF	\$ 624.00		\$ -
Round Brick Manholes					
185	4' Round Brick Manhole w/ Manhole Ring & Cover	VF	\$ 568.00		\$ -
186	5' Round Brick Manhole w/ Manhole Ring & Cover	VF	\$ 681.00		\$ -
187	6' Round Brick Manhole w/ Manhole Ring & Cover	VF	\$ 738.00		\$ -
Square Precast Manholes					
188	4' Square Precast Manhole w/ Manhole Ring & Cover	VF	\$ 511.00		\$ -
189	5' Square Precast Manhole w/ Manhole Ring & Cover	VF	\$ 568.00		\$ -
190	6' Square Precast Manhole w/ Manhole Ring & Cover	VF	\$ 624.00		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
Round Precast Manholes					
191	4' Round Precast Manhole w/ Manhole Ring & Cover	VF	\$ 280.00	10	\$ 2,800.00
192	5' Round Precast Manhole w/ Manhole Ring & Cover	VF	\$ 438.00		\$ -
193	6' Round Precast Manhole w/ Manhole Ring & Cover	VF	\$ 599.00		\$ -
Miscellaneous & Special Structures/Components					
194	4' Dia. Pedestal Top with Inlet Frame and Grate	EA	\$ 1,135.00		\$ -
195	5' Dia. Pedestal Top with Inlet Frame and Grate	EA	\$ 1,305.00		\$ -
196	6' Dia. Pedestal Top with Inlet Frame and Grate	EA	\$ 1,418.00		\$ -
197	4' Dia. Pedestal Top with MH Ring & Cover	EA	\$ 1,135.00		\$ -
198	5' Dia. Pedestal Top with MH Ring & Cover	EA	\$ 1,305.00		\$ -
199	6' Dia. Pedestal Top with MH Ring & Cover	EA	\$ 1,418.00		\$ -
200	4' Dia Round to Square	EA	\$ 1,362.00		\$ -
201	5' Dia Round to Square	EA	\$ 1,503.00		\$ -
202	6' Dia Round to Square	EA	\$ 1,645.00		\$ -
203	Precast Replacement Top Only for Single Wing, w/ Ring & Cover, not including throat	EA	\$ 1,418.00		\$ -
204	Precast Replacement Top Only for Double Wing w/ Ring & Cover, not including throat	EA	\$ 1,560.00		\$ -
205	4'x4' Precast Top w/ MH Ring and Cover	EA	\$ 1,362.00		\$ -
206	5'x5' Precast Top w/ MH Ring and Cover	EA	\$ 1,702.00		\$ -
207	Cast-in-Place Top Only w/ Ring & Cover	CY	\$ 1,418.00		\$ -
208	Cast-in-Place Throat Only	CY	\$ 1,021.00		\$ -
209	Invert Installation, 4' Diameter	EA	\$ 318.00		\$ -
210	Invert Installation, 5' Diameter	EA	\$ 369.00		\$ -
211	Invert Installation, 6' Diameter	EA	\$ 454.00		\$ -
212	Invert Installation, other configurations	SF	\$ 40.00		\$ -
213	Uncover Buried Junction Box (<4')	EA	\$ 454.00		\$ -
214	Uncover Buried Junction Box (4'-7.9')	EA	\$ 511.00		\$ -
215	Uncover Buried Junction Box (8'-11.9')	EA	\$ 568.00		\$ -
216	Uncover Buried Junction Box (>12')	EA	\$ 681.00		\$ -
Grout Connection To Structure					
217	12" Grout Each End to Structure	EA	\$ 454.00		\$ -
218	15" Grout Each End to Structure	EA	\$ 511.00		\$ -
219	18" Grout Each End to Structure	EA	\$ 568.00		\$ -
220	21" Grout Each End to Structure	EA	\$ 568.00		\$ -
221	24" Grout Each End to Structure	EA	\$ 624.00	8	\$ 4,992.00
222	27" Grout Each End to Structure	EA	\$ 681.00		\$ -
223	30" Grout Each End to Structure	EA	\$ 738.00		\$ -
224	36" Grout Each End to Structure	EA	\$ 794.00		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
225	42" Grout Each End to Structure	EA	\$ 851.00		\$ -
226	48" Grout Each End to Structure	EA	\$ 91.00		\$ -
227	54" Grout Each End to Structure	EA	\$ 965.00		\$ -
228	60" Grout Each End to Structure	EA	\$ 1,021.00		\$ -
229	66" Grout Each End to Structure	EA	\$ 1,078.00		\$ -
230	72" Grout Each End to Structure	EA	\$ 1,135.00		\$ -
231	Grout all joint, cracks & holes, in structures, complete	EA	\$ 568.00		\$ -
LINING REQUIREMENTS					
Cured In Place Pipe Liner (CIPP) - (12' or less in depth) Includes Pre & Post Television Inspections during lining					
232	12" PIPE- 7.5mm (.2953")	LF	\$ 68.31		\$ -
233	15" PIPE- 7.5mm (.2953")	LF	\$ 68.31		\$ -
234	18" PIPE- 8.0mm (.315")	LF	\$ 71.28	78	\$ 5,559.84
235	21" PIPE- 10.0mm (.3937")	LF	\$ 81.18		\$ -
236	24" PIPE- 10.0mm (.3937")	LF	\$ 101.97	234	\$ 23,860.98
237	30" PIPE- 12.5mm (.4921")	LF	\$ 123.75		\$ -
238	36" PIPE- 16.0mm (.6299")	LF	\$ 157.41		\$ -
239	42" PIPE- 18.0mm (.7087")	LF	\$ 207.90		\$ -
240	48" PIPE- 21.0mm (.8268")	LF	\$ 247.50		\$ -
241	54" PIPE- 24.0mm (.9449")	LF	\$ 308.88		\$ -
242	60" PIPE- 28.5mm (1.122")	LF	\$ 436.59		\$ -
243	66" PIPE- 30.0mm (1.1811")	LF	\$ 781.11		\$ -
244	72" PIPE- 32.5mm (1.2795")	LF	\$ 935.55		\$ -
245	78" PIPE- 33.0mm (1.2992")	LF	\$ 1,099.89		\$ -
246	84" PIPE- 35.5mm (1.3976")	LF	\$ 1,274.13		\$ -
247	90" PIPE- 38.0mm (1.4961")	LF	\$ 1,308.78		\$ -
248	96" PIPE - 40.5mm (1.5945")	LF	\$ 1,358.28		\$ -
249	Additional Cost Per 1.5mm (.0591") Thickness - 12" PIPE	LF	\$ 2.97		\$ -
250	Additional Cost Per 1.5mm (.0591") Thickness - 15" PIPE	LF	\$ 2.97		\$ -
251	Additional Cost Per 1.5mm (.0591") Thickness - 18" PIPE	LF	\$ 2.97		\$ -
252	Additional Cost Per 1.5mm (.0591") Thickness - 21" PIPE	LF	\$ 3.96		\$ -
253	Additional Cost Per 1.5mm (.0591") Thickness - 24" PIPE	LF	\$ 3.96		\$ -
254	Additional Cost Per 1.5mm (.0591") Thickness - 30" PIPE	LF	\$ 4.95		\$ -
255	Additional Cost Per 1.5mm (.0591") Thickness - 36" PIPE	LF	\$ 4.95		\$ -
256	Additional Cost Per 1.5mm (.0591") Thickness - 42" PIPE	LF	\$ 5.94		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
257	Additional Cost Per 1.5mm (.0591") Thickness - 48" PIPE	LF	\$ 7.92		\$ -
258	Additional Cost Per 1.5mm (.0591") Thickness - 54" PIPE	LF	\$ 10.89		\$ -
259	Additional Cost Per 1.5mm (.0591") Thickness - 60" PIPE	LF	\$ 10.89		\$ -
260	Additional Cost Per 1.5mm (.0591") Thickness - 66" PIPE	LF	\$ 13.86		\$ -
261	Additional Cost Per 1.5mm (.0591") Thickness - 72" PIPE	LF	\$ 15.84		\$ -
262	Additional Cost Per 1.5mm (.0591") Thickness - 78" PIPE	LF	\$ 18.81		\$ -
263	Additional Cost Per 1.5mm (.0591") Thickness - 84" PIPE	LF	\$ 20.79		\$ -
264	Additional Cost Per 1.5mm (.0591") Thickness - 90" PIPE	LF	\$ 22.77		\$ -
265	Additional Cost Per 1.5mm (.0591") Thickness - 96" PIPE	LF	\$ 24.75		\$ -
Inversion Setup					
266	Inversion Setup Charge 15" - 36" CIPP	EA	\$ 1,684.98	3	\$ 5,054.94
267	Inversion Setup Charge 42" - 60" CIPP	EA	\$ 1,909.71		\$ -
268	Inversion Setup Charge 66" - 96" CIPP	EA	\$ 2,807.64		\$ -
Spin Cast Lining					
269	30" Cent. Spin Cast Lining	LF	\$ 359.37		\$ -
270	36" Cent. Spin Cast Lining	LF	\$ 404.91		\$ -
271	42" Cent. Spin Cast Lining	LF	\$ 472.23		\$ -
272	48" Cent. Spin Cast Lining	LF	\$ 539.55		\$ -
273	54" Cent. Spin Cast Lining	LF	\$ 637.56		\$ -
274	60" Cent. Spin Cast Lining	LF	\$ 815.76		\$ -
275	66" Cent. Spin Cast Lining	LF	\$ 896.94		\$ -
276	72" Cent. Spin Cast Lining	LF	\$ 970.20		\$ -
Slip Lining w/HDPE, Includes Grouting					
277	15" Slip Lining	LF	\$ 545.00		\$ -
278	18" Slip Lining	LF	\$ 225.00		\$ -
279	24" Slip Lining	LF	\$ 300.00		\$ -
280	30" Slip Lining	LF	\$ 375.00		\$ -
281	36" Slip Lining	LF	\$ 450.00		\$ -
282	42" Slip Lining	LF	\$ 524.00		\$ -
283	48" Slip Lining	LF	\$ 599.00		\$ -
284	54" Slip Lining	LF	\$ 674.00		\$ -
285	60" Slip Lining	LF	\$ 749.00		\$ -
Slip Lining with Snap-Tite HDPE (AASHTO M326), Include Grouting					
286	12.75" OD	LF	\$ 155.00		\$ -

**City of Dunwoody - Annual Stormwater CIPP
Proposal - 1495 Devinshire Way**



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
287	14" OD	LF	\$ 173.00		\$ -
288	18" OD	LF	\$ 173.00		\$ -
289	20" OD	LF	\$ 211.00		\$ -
290	24" OD	LF	\$ 243.00		\$ -
291	32" OD	LF	\$ 278.00		\$ -
292	36" OD	LF	\$ 397.00		\$ -
293	42" OD	LF	\$ 462.00		\$ -
294	48" OD	LF	\$ 551.00		\$ -
295	54" OD	LF	\$ 678.00		\$ -
296	63" OD	LF	\$ 784.00		\$ -
Styrene Free - Cured In Place Pipe Liner (12' or Less in Depth)					
297	Styrene Free 12" PIPE- 7.5mm	LF	\$ 102.96		\$ -
298	Styrene Free 15" PIPE- 7.5mm	LF	\$ 110.88		\$ -
299	Styrene Free 18" PIPE- 8.0mm	LF	\$ 123.75		\$ -
300	Styrene Free 21" PIPE- 10.0mm	LF	\$ 138.60		\$ -
301	Styrene Free 24" PIPE- 10.0mm	LF	\$ 158.40		\$ -
302	Styrene Free 30" PIPE- 12.5mm	LF	\$ 194.04		\$ -
303	Styrene Free 36" PIPE- 16.0mm	LF	\$ 250.47		\$ -
304	Styrene Free 42" PIPE- 18.0mm	LF	\$ 337.59		\$ -
305	Styrene Free 48" PIPE- 21.0mm	LF	\$ 449.46		\$ -
306	Styrene Free 54" PIPE- 24.0mm	LF	\$ 562.32		\$ -
307	Styrene Free 60" PIPE- 28.5mm	LF	\$ 657.36		\$ -
308	Styrene Free 66" PIPE- 30.0mm	LF	\$ 763.29		\$ -
309	Styrene Free 72" PIPE- 32.5mm	LF	\$ 1,039.50		\$ -
310	Styrene Free 78" PIPE- 33.0mm	LF	\$ 1,095.93		\$ -
311	Styrene Free 84" PIPE- 35.5mm	LF	\$ 1,167.21		\$ -
312	Styrene Free 90" PIPE- 38.0mm	LF	\$ 1,326.60		\$ -
313	Styrene Free 96" PIPE - 40.5mm	LF	\$ 1,587.96		\$ -
314	Additional Cost Per 1.5mm Thickness Styrene Free - 12" PIPE	LF	\$ 4.95		\$ -
315	Additional Cost Per 1.5mm Thickness Styrene Free - 15" PIPE	LF	\$ 6.93		\$ -
316	Additional Cost Per 1.5mm Thickness Styrene Free - 18" PIPE	LF	\$ 6.93		\$ -
317	Additional Cost Per 1.5mm Thickness Styrene Free - 21" PIPE	LF	\$ 7.92		\$ -
318	Additional Cost Per 1.5mm Thickness Styrene Free - 24" PIPE	LF	\$ 7.92		\$ -
319	Additional Cost Per 1.5mm Thickness Styrene Free - 30" PIPE	LF	\$ 10.89		\$ -
320	Additional Cost Per 1.5mm Thickness Styrene Free - 36" PIPE	LF	\$ 13.86		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
321	Additional Cost Per 1.5mm Thickness Styrene Free - 42" PIPE	LF	\$ 15.84		\$ -
322	Additional Cost Per 1.5mm Thickness Styrene Free - 48" PIPE	LF	\$ 14.85		\$ -
323	Additional Cost Per 1.5mm Thickness Styrene Free - 54" PIPE	LF	\$ 17.82		\$ -
324	Additional Cost Per 1.5mm Thickness Styrene Free - 60" PIPE	LF	\$ 21.78		\$ -
325	Additional Cost Per 1.5mm Thickness Styrene Free - 66" PIPE	LF	\$ 23.76		\$ -
326	Additional Cost Per 1.5mm Thickness Styrene Free - 72" PIPE	LF	\$ 26.73		\$ -
327	Additional Cost Per 1.5mm Thickness Styrene Free - 78" PIPE	LF	\$ 29.70		\$ -
328	Additional Cost Per 1.5mm Thickness Styrene Free - 84" PIPE	LF	\$ 30.69		\$ -
329	Additional Cost Per 1.5mm Thickness Styrene Free - 90" PIPE	LF	\$ 32.67		\$ -
330	Additional Cost Per 1.5mm Thickness Styrene Free - 96" PIPE	LF	\$ 35.64		\$ -
Cast in Place Concrete					
331	Paved Ditch/Swale (4" Thick)	SY	\$ 46.00		\$ -
332	Driveway 4" Concrete (Residential w/4" of GAB included)	SY	\$ 57.00		\$ -
333	Driveway 6" Concrete (Commercial w/6" of GAB included)	SY	\$ 69.00		\$ -
334	Driveway 8" Concrete (Commercial w/8" of GAB included)	SY	\$ 103.00		\$ -
335	Regular Duty Sidewalk (4" Thick, 3000 psi) <5' length	SY	\$ 57.00		\$ -
336	Regular Duty Sidewalk (4" Thick, 3000 psi) 5'-10' length	SY	\$ 57.00		\$ -
337	Regular Duty Sidewalk (4" Thick, 3000 psi) 11'-20' length	SY	\$ 57.00		\$ -
338	Medium Duty Sidewalk (5" Thick, Fiber Reinf. 3000 psi) <5' length	SY	\$ 63.00		\$ -
339	Medium Duty Sidewalk (5" Thick, Fiber Reinf. 3000 psi) 5'-10' length	SY	\$ 63.00		\$ -
340	Medium Duty Sidewalk (5" Thick, Fiber Reinf. 3000 psi) 11'-20' length	SY	\$ 63.00		\$ -
341	Heavy Duty Sidewalk (6" w/Wire Mesh, & 3500 psi) <5' length	SY	\$ 69.00		\$ -
342	Heavy Duty Sidewalk (6" w/Wire Mesh, & 3500 psi) 5'-10' length	SY	\$ 69.00		\$ -
343	Heavy Duty Sidewalk (6" w/Wire Mesh, & 3500 psi) 11'-20' length	SY	\$ 69.00		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
344	Curb & Gutter 6"x24"x12" High Back	LF	\$ 37.00		\$ -
345	Curb & Gutter 6"x30"x12" High Back	LF	\$ 40.00		\$ -
346	Curb and Gutter 6"x24"x10" Roll Back	LF	\$ 35.00		\$ -
347	Straight Header Curb	LF	\$ 40.00		\$ -
348	Concrete Drainage Structures Poured In Place w/ Steel	CY	\$ 624.00		\$ -
349	High Early Strength (5000 psi)	CY	\$ 624.00		\$ -
Road Restoration					
350	Graded Aggregate Base	TN	\$ 69.00		\$ -
351	Crusher Run Stone	TN	\$ 69.00		\$ -
352	Asphaltic Concrete Binder Course	TN	\$ 171.00		\$ -
353	Asphaltic Concrete Surface Course	TN	\$ 193.00		\$ -
354	Tack Coat	GAL	\$ 46.00		\$ -
355	2" Asph. Con. Hot Mix for Trench Cap	TN	\$ 250.00		\$ -
356	8" Thick 3000 psi- Concrete Trench Cap	CY	\$ 205.00		\$ -
Earthwork & Grading					
357	Tree Removal 6"-12"	EA	\$ 681.00		\$ -
358	Tree Removal 13"-23"	EA	\$ 1,702.00		\$ -
359	Tree Removal >23"	EA	\$ 2,836.00	1	\$ 2,836.00
360	Clear & Grubbing	SY	\$ 6.00		\$ -
361	Channel Excavation	CY	\$ 18.00		\$ -
362	Additional Excavation	CY	\$ 12.00		\$ -
363	Haul-In Structural Fill Material	CY	\$ 23.00		\$ -
364	Haul-Off Soil Material	CY	\$ 23.00		\$ -
365	Finish Grading	SY	\$ 10.00		\$ -
366	Trench Rock Excavation	CY	\$ 171.00		\$ -
367	Debris Removal	CY	\$ 23.00		\$ -
Erosion Control					
368	Stone Rip Rap Type I In Place	SY	\$ 52.00		\$ -
369	Stone Rip Rap Type III In Place	SY	\$ 40.00		\$ -
370	Stone Grouted Rip Rap 12" Installed	SY	\$ 63.00		\$ -
371	Install & Remove Type A Silt Fence	LF	\$ 3.00		\$ -
372	Install & Remove Type C Silt Fence	LF	\$ 4.00		\$ -
373	Install & Remove Type C Silt Fence - Alternative	LF	\$ 4.00		\$ -
374	Inlet Sediment Traps - Silt Fence Sd2	EA	\$ 57.00		\$ -
375	Rock Bags for curb inlet/CB sediment Protection	EA	\$ 114.00		\$ -
376	Install & Remove Orange Tree Save Fence	LF	\$ 4.00		\$ -
377	Gabion Structures (GDOT Section 626 & 809)	CY	\$ 681.00		\$ -
378	Permanent Soil Reinf Mat Installed	SY	\$ 8.00		\$ -
379	Organic Material Fiber Blanket Installed	SY	\$ 6.00		\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 1495 Devinshire Way



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
380	Seed & Straw (Permanent Grassing)	SY	\$ 5.00	350	\$ 1,750.00
381	Seed & Straw (Temporary Grassing)	SY	\$ 4.00		\$ -
382	Sodding Complete-Fescue	SY	\$ 10.00		\$ -
383	Sodding Complete-Bermuda	SY	\$ 11.00		\$ -
384	Sodding Complete-Zoyzia	SY	\$ 14.00		\$ -
385	Sodding Complete-Centipede	SY	\$ 11.00		\$ -
386	Topsoil Compete	CY	\$ 29.00		\$ -
387	Pine Straw	SY	\$ 11.00	150	\$ 1,650.00
388	Straw Mulch	SY	\$ 10.00		\$ -
389	Tree Replacement 2-1/2" Hardwood, Installed	EA	\$ 256.00		\$ -
390	Tree Replacement 2-1/2" Pine, Installed	EA	\$ 256.00		\$ -
391	Shrub Replacement: 1 gallon, installed	EA	\$ 69.00	112	\$ 7,728.00
392	Shrub Replacement: 3 gallon, installed	EA	\$ 91.00		\$ -
393	Shrub Replacement: 5 gallon, installed	EA	\$ 114.00		\$ -
394	Shrub Replacement: 7 gallon, installed	EA	\$ 142.00	3	\$ 426.00
395	Bedding Flower per flat of 18, installed	SY	\$ 57.00		\$ -
Miscellaneous Items					
396	Connect to Existing Structures	EA	\$ 454.00		\$ -
397	Debris Removal, Tandem Dump Truck	Per Load	\$ 171.00		\$ -
398	Removal of Existing Non Drainage Structure	EA	\$ 681.00		\$ -
399	Removal of Existing Drainage Structure	EA	\$ 908.00		\$ -
400	Remove Existing Pipe all Types and Sizes	LF	\$ 57.00		\$ -
401	Saw Cut Existing Pavements	LF	\$ 5.00		\$ -
402	Stone #57	TON	\$ 40.00		\$ -
403	Surge Stone	TON	\$ 29.00	15	\$ 435.00
404	No. 3's and 4's Stone	TON	\$ 29.00		\$ -
405	Roll-Off Dumpster	Per Day	\$ 397.00		\$ -
406	Relocate Existing Residential Water Meter, Including Box	EA	\$ 284.00		\$ -
407	Install Thermal Barrier to protect water service line or other utilities	SF	\$ 2.00		\$ -
408	Bypass pumping setup-equipment and hose placement	EA	\$ 227.00		\$ -
409	4" Pumping Operation Time	HR	\$ 57.00		\$ -
410	6" Pumping Operation Time	HR	\$ 69.00		\$ -
411	8" Pumping Operation Time	HR	\$ 80.00		\$ -
412	10" Pumping Operation Time	HR	\$ 91.00		\$ -
413	12" Pumping Operation Time	HR	\$ 103.00		\$ -
414	Temporary 4' Chain Link Fence	LF	\$ 23.00		\$ -

**City of Dunwoody - Annual Stormwater CIPP
Proposal - 1495 Devinshire Way**



Monday, May 12, 2014

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
415	Remove and Replace Existing 4' Galvanized Standard Chain Link Fence Residential	LF	\$ 35.00	60	\$ 2,100.00
416	Remove and Replace Existing 5' Galvanized Standard Chain Link Fence Residential	LF	\$ 40.00		\$ -
417	Remove and Replace Existing 4' Black Vinyl Standard Chain Link Fence Residential	LF	\$ 40.00		\$ -
418	Remove and Replace Existing 5' Black Vinyl Standard Chain Link Fence Residential	LF	\$ 46.00		\$ -
419	Steel Plates (Typ. 5'x8' Size)	EA/Day	\$ 227.00		\$ -
420	Reset Existing Headwall	EA	\$ 341.00		\$ -
	10% Contingency				\$ 6,612.18
	Total				\$ 72,733.94

MEMORANDUM

To: Mayor and City Council

From: David Elliott

Date: March 28, 2015

Subject: **Approval of Funding for Stormwater Pipe Repairs at 4887 Twin Branches Way.**

ITEM DESCRIPTION

Approval of Funding for Stormwater Pipe Repairs at 4887 Twin Branches Way. Estimate for the rehabilitation and sinkhole repair is \$74,964, which includes a 10% contingency. This proposed project would be funded with the Stormwater Repairs and Maintenance Budget.

BACKGROUND

Needed repairs were located after resident complaint of sink hole at 4887 Twin Branches Way. The original problem was caused by a large root mass, which has been removed.

The scope of this project includes the used of Cured in Place Pipe (CIPP) to line 225' of 18' culvert, 87' of 24" culvert, and 186' of 30" culvert. This project will also involve repair of 2 junction boxes and 3' of internal point repairs. Unless unforeseen circumstances are encountered, disturbance will be low and no heavy equipment will be required.

RECOMMENDED ACTION

Staff recommends approving \$74,964 in funding for Stormwater Culvert Repairs at 4887 Twin Branches Way.

#6.



Root ball causing flow restriction and sinkhole (has been removed)



Culvert failure requiring internal point repairs prior to CIPP lining

#6.



Deteriorated portion of CMP

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
General Conditions					
1	Mobilization	EA	\$ 2,269.00	1	\$ 2,269.00
2	Out of Scope Work, Foreman	HR	\$ 46.00	0	\$ -
3	Out of Scope Work, Laborer	HR	\$ 35.00	8	\$ 280.00
Traffic Control					
4	Traffic Control Major (Detours etc. for road closure complete)	DY	\$ 2,269.00	0	\$ -
5	Traffic Control Minor (Two flagman, etc.)	DY	\$ 681.00	0	\$ -
6	Mobile Electronic Detour Signs	DY	\$ 284.00	0	\$ -
TV Inspection and Jet-Vac Cleaning					
7	TV Storm Lines (includes DVD & Report)	LF	\$ 5.00	498	\$ 2,490.00
8	Visual Inspection (Pictures), per Project (During Construction)	EA	\$ 284.00	0	\$ -
9	Hydro-Excavation (Complete)	HR	\$ 341.00	0	\$ -
Storm Line Cleaning (less than 25% full)					
10	12" PIPE- Cleaning less than 25% full	LF	\$ 3.00	0	\$ -
11	15" PIPE- Cleaning less than 25% full	LF	\$ 3.00	0	\$ -
12	18" PIPE- Cleaning less than 25% full	LF	\$ 3.00	225	\$ 675.00
13	21" PIPE- Cleaning less than 25% full	LF	\$ 4.00	0	\$ -
14	24" PIPE- Cleaning less than 25% full	LF	\$ 4.00	57	\$ 228.00
15	30" PIPE- Cleaning less than 25% full	LF	\$ 4.00	186	\$ 744.00
16	36" PIPE - Cleaning less than 25% full	LF	\$ 4.00	0	\$ -
17	42" PIPE- Cleaning less than 25% full	LF	\$ 5.00	0	\$ -
18	48" PIPE- Cleaning less than 25% full	LF	\$ 6.00	0	\$ -
19	54" PIPE- Cleaning less than 25% full	LF	\$ 8.00	0	\$ -
20	60" PIPE - Cleaning less than 25% full	LF	\$ 10.00	0	\$ -
21	66" PIPE - Cleaning less than 25% full	LF	\$ 12.00	0	\$ -
22	72" PIPE - Cleaning less than 25% full	LF	\$ 13.00	0	\$ -
23	78" PIPE - Cleaning less than 25% full	LF	\$ 16.00	0	\$ -
24	84" PIPE - Cleaning less than 25% full	LF	\$ 18.00	0	\$ -
25	90" PIPE - Cleaning less than 25% full	LF	\$ 19.00	0	\$ -
26	96" PIPE - Cleaning less than 25% full	LF	\$ 20.00	0	\$ -
Storm Line Cleaning (25% full or greater)					
27	12" PIPE- Cleaning 25% full or greater	LF	\$ 6.00	0	\$ -
28	15" PIPE- Cleaning 25% full or greater	LF	\$ 7.00	0	\$ -
29	18" PIPE - Cleaning 25% full or greater	LF	\$ 8.00	0	\$ -
30	21" PIPE - Cleaning 25% full or greater	LF	\$ 10.00	0	\$ -
31	24" PIPE - Cleaning 25% full or greater	LF	\$ 12.00	0	\$ -
32	30" PIPE - Cleaning 25% full or greater	LF	\$ 14.00	0	\$ -
33	36" PIPE- Cleaning 25% full or greater	LF	\$ 18.00	0	\$ -
34	42" PIPE - Cleaning 25% full or greater	LF	\$ 21.00	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
35	48" PIPE- Cleaning 25% full or greater	LF	\$ 23.00	0	\$ -
36	54" PIPE- Cleaning 25% full or greater	LF	\$ 32.00	0	\$ -
37	60" PIPE - Cleaning 25% full or greater	LF	\$ 35.00	0	\$ -
38	66" PIPE - Cleaning 25% full or greater	LF	\$ 37.00	0	\$ -
39	72" PIPE- Cleaning 25% full or greater	LF	\$ 40.00	0	\$ -
40	78" PIPE- Cleaning 25% full or greater	LF	\$ 41.00	0	\$ -
41	84" PIPE - Cleaning 25% full or greater	LF	\$ 42.00	0	\$ -
42	90" PIPE - Cleaning 25% full or greater	LF	\$ 44.00	0	\$ -
43	96" PIPE - Cleaning 25% full or greater	LF	\$ 46.00	0	\$ -
Specialty Storm Line Cleaning, Applicable to heavy roots, Large diameter rocks, large debris, etc					
44	12" to 36" PIPE	LF	\$ 29.00	30	\$ 870.00
45	42" to 96" PIPE	LF	\$ 69.00	0	\$ -
Spiral Rib Corr. Steel Pipe (14 gal. Tp. 2 Alum) Includes excavation, backfill, & compaction					
46	15" SRCMP	LF	\$ 40.00	0	\$ -
47	18" SRCMP	LF	\$ 42.00	0	\$ -
48	24" SRCMP	LF	\$ 49.00	0	\$ -
49	30" SRCMP	LF	\$ 61.00	0	\$ -
50	36" SRCMP	LF	\$ 75.00	0	\$ -
51	42" SRCMP	LF	\$ 88.00	0	\$ -
52	48" SRCMP	LF	\$ 100.00	0	\$ -
53	54" SRCMP	LF	\$ 118.00	0	\$ -
54	60" SRCMP	LF	\$ 131.00	0	\$ -
55	72" SRCMP	LF	\$ 183.00	0	\$ -
56	84" SRCMP	LF	\$ 224.00	0	\$ -
57	96" SRCMP	LF	\$ 246.00	0	\$ -
Reinforced Concrete Pipe (RCP) Tp 3 Includes excavation, backfill, & compaction					
58	18" RCP	LF	\$ 40.00	0	\$ -
59	24" RCP	LF	\$ 48.00	0	\$ -
60	30" RCP	LF	\$ 59.00	0	\$ -
61	36" RCP	LF	\$ 76.00	0	\$ -
62	42" RCP	LF	\$ 97.00	0	\$ -
63	48" RCP	LF	\$ 122.00	0	\$ -
64	54" RCP	LF	\$ 152.00	0	\$ -
65	60" RCP	LF	\$ 185.00	0	\$ -
66	72" RCP	LF	\$ 264.00	0	\$ -
High Density Polyethaline Pipe (HDPE) Includes excavation, backfill, & compaction					
67	15" HDPE	LF	\$ 32.00	0	\$ -
68	18" HDPE	LF	\$ 34.00	0	\$ -
69	24" HDPE	LF	\$ 42.00	0	\$ -
70	30" HDPE	LF	\$ 55.00	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
71	36" HDPE	LF	\$ 61.00	0	\$ -
72	42" HDPE	LF	\$ 71.00	0	\$ -
73	48" HDPE	LF	\$ 91.00	0	\$ -
74	54" HDPE	LF	\$ 144.00	0	\$ -
75	60" HDPE	LF	\$ 163.00	0	\$ -
76	72" HDPE	LF	\$ 199.00	0	\$ -
Additional Depth for Pipes Includes excavation, backfill, & compaction					
77	Invert >8.1' to 12'	LF	\$ 23.00	0	\$ -
78	Invert >12'	LF	\$ 35.00	0	\$ -
Metal Flared End Sections: (GADOT STD 1120)					
79	18" MFES 16 Gauge In Place	EA	\$ 210.00	0	\$ -
80	24" MFES 14 Gauge In Place	EA	\$ 281.00	0	\$ -
81	30" MFES 14 Gauge In Place	EA	\$ 455.00	0	\$ -
82	36" MFES 14 Gauge In Place	EA	\$ 659.00	0	\$ -
83	42" MFES 14 Gauge In Place	EA	\$ 1,496.00	0	\$ -
Metal Safety End Sections: 4:1 Slope GADOT Special Detail					
84	18" SFES 16 Gauge In Place	EA	\$ 612.00	0	\$ -
85	24" SFES 16 Gauge In Place	EA	\$ 786.00	0	\$ -
86	30" SFES 12 Gauge In Place	EA	\$ 1,517.00	0	\$ -
87	36" SFES 12 Gauge In Place	EA	\$ 1,678.00	0	\$ -
88	42" SFES 12 Gauge In Place	EA	\$ 2,431.00	0	\$ -
89	48" SFES 12 Gauge In Place	EA	\$ 3,321.00	0	\$ -
Precast Concrete Flared End Section					
90	18" CFES In Place	EA	\$ 634.00	0	\$ -
91	24" CFES In Place	EA	\$ 773.00	0	\$ -
92	30" CFES In Place	EA	\$ 956.00	0	\$ -
93	36" CFES In Place	EA	\$ 1,199.00	0	\$ -
94	42" CFES In Place	EA	\$ 1,382.00	0	\$ -
Precast Headwalls					
95	Precast Headwall for 18" Pipe	EA	\$ 637.00	0	\$ -
96	Precast Headwall for 24" Pipe	EA	\$ 784.00	0	\$ -
97	Precast Headwall for 30" Pipe	EA	\$ 1,074.00	0	\$ -
98	Precast Headwall for 36" Pipe	EA	\$ 1,131.00	0	\$ -
99	Precast Headwall for 42" Pipe	EA	\$ 1,508.00	0	\$ -
100	Precast Headwall for 48" Pipe	EA	\$ 1,622.00	0	\$ -
101	Precast Headwall for 18" Pipe w/ Velocity Dissipater	EA	\$ 1,127.00	0	\$ -
102	Precast Headwall for 24" Pipe w/ Velocity Dissipater	EA	\$ 1,404.00	0	\$ -
103	Precast Headwall for 30" Pipe w/ Velocity Dissipater	EA	\$ 2,032.00	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
104	Precast Headwall for 36" Pipe w/ Velocity Dissipater	EA	\$ 2,032.00	0	\$ -
105	Precast Headwall for 42" Pipe w/ Velocity Dissipater	EA	\$ 2,430.00	0	\$ -
106	Precast Headwall for 48" Pipe w/ Velocity Dissipater	EA	\$ 2,430.00	0	\$ -
Cast-in-Place Concrete Headwall					
107	Cast-in-Place Concrete Headwall- Dekalb Std. Detail	CY	\$ 755.00	0	\$ -
108	Cast-in-Place Concrete Headwall- GDOT Std. Det. 1125	CY	\$ 766.00	0	\$ -
Brick-in-Place Headwall					
109	Brick Headwall for 18" Pipe	EA	\$ 369.00	0	\$ -
110	Brick Headwall for 24" Pipe	EA	\$ 414.00	0	\$ -
111	Brick Headwall for 30" Pipe	EA	\$ 454.00	0	\$ -
112	Brick Headwall for 36" Pipe	EA	\$ 511.00	0	\$ -
113	Brick Headwall for 42" Pipe	EA	\$ 698.00	0	\$ -
114	Brick Headwall for 48" Pipe	EA	\$ 738.00	0	\$ -
115	Brick Headwall for 54" Pipe	EA	\$ 823.00	0	\$ -
116	Brick Headwall for 60" Pipe	EA	\$ 908.00	0	\$ -
117	Brick Headwall for 72" Pipe	EA	\$ 1,050.00	0	\$ -
Rubble Masonry Headwalls (per Dekalb Co. or Gwinnett Co.,Standards)					
118	Rubble Headwall for 18" Pipe	EA	\$ 562.00	0	\$ -
119	Rubble Headwall for 24" Pipe	EA	\$ 738.00	0	\$ -
120	Rubble Headwall for 30" Pipe	EA	\$ 902.00	0	\$ -
121	Rubble Headwall for 36" Pipe	EA	\$ 1,021.00	0	\$ -
Flowable Paved Pipe Invert					
122	18" Diameter	LF	\$ 23.00	0	\$ -
123	24" Diameter	LF	\$ 23.00	0	\$ -
124	30" Diameter	LF	\$ 23.00	0	\$ -
125	36" Diameter	LF	\$ 25.00	0	\$ -
126	42" Diameter	LF	\$ 29.00	0	\$ -
127	48" Diameter	LF	\$ 39.00	0	\$ -
128	60" Diameter	LF	\$ 48.00	0	\$ -
129	72" Diameter	LF	\$ 63.00	0	\$ -
130	96" Diameter	LF	\$ 88.00	0	\$ -
Internal Pipe Point Repairs (Including cutting, trimming, jacking, etc.)					
131	18" Diameter	LF	\$ 224.73	0	\$ -
132	24" Diameter	LF	\$ 281.16	0	\$ -
133	30" Diameter	LF	\$ 281.16	3	\$ 843.48

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
134	36" Diameter LF \$	LF	\$ 281.16	0	\$ -
135	42" Diameter LF \$	LF	\$ 281.16	0	\$ -
136	48" Diameter LF \$	LF	\$ 281.16	0	\$ -
137	60" Diameter LF \$	LF	\$ 281.16	0	\$ -
138	72" Diameter LF \$	LF	\$ 281.16	0	\$ -
139	96" Diameter LF \$	LF	\$ 281.16	0	\$ -
Storm Drain Catch Basins New Std. Catch Basins shall be GDOT 1033/1034 or Dekalb Stds.					
140	4'-Dia. Brick Catch Basin GADOT 1033/1034	VF	\$ 454.00	0	\$ -
141	5'-Dia. Brick Catch Basin GADOT 1033/1034	VF	\$ 494.00	0	\$ -
142	6'-Dia. Brick Catch Basin GADOT 1033/1034	VF	\$ 534.00	0	\$ -
143	4'-Dia. Precast Catch Basin GADOT 1033/1034	VF	\$ 454.00	0	\$ -
144	5'-Dia. Precast Catch Basin GADOT 1033/1034	VF	\$ 494.00	0	\$ -
145	6'-Dia. Precast Catch Basin GADOT 1033/1034	VF	\$ 534.00	0	\$ -
STORM DRAIN INLETS & MANHOLES					
New Std. Inlet shall be GDOT 1019/1011 or Dekalb Stds. Brick Square Inlets					
146	4' Square Brick Inlet w/ Flush Grate Only	VF	\$ 369.00	0	\$ -
147	5' Square Brick Inlet w/ Flush Grate Only	VF	\$ 397.00	0	\$ -
148	6' Square Brick Inlet w/ Flush Grate Only	VF	\$ 483.00	0	\$ -
149	4' Square Brick Inlet w/ Curb Hood & Grate	VF	\$ 369.00	0	\$ -
150	5' Square Brick Inlet w/ Curb Hood & Grate	VF	\$ 397.00	0	\$ -
151	6' Square Brick Inlet w/ Curb Hood & Grate	VF	\$ 483.00	0	\$ -
152	4' Square Brick Inlet w/ Pedestal Top & Grate	VF	\$ 397.00	0	\$ -
153	5' Square Brick Inlet w/ Pedestal Top & Grate	VF	\$ 511.00	0	\$ -
154	6' Square Brick Inlet w/ Pedestal Top & Grate	VF	\$ 624.00	0	\$ -
Brick Round Inlets					
155	4' Round Brick Inlet w/ Flush Grate Only	VF	\$ 341.00	0	\$ -
156	5' Round Brick Inlet w/ Flush Grate Only	VF	\$ 454.00	0	\$ -
157	6' Round Brick Inlet w/ Flush Grate Only	VF	\$ 568.00	0	\$ -
158	4' Round Brick Inlet w/ Curb Hood & Grate	VF	\$ 397.00	0	\$ -
159	5' Round Brick Inlet w/ Curb Hood & Grate	VF	\$ 511.00	0	\$ -
160	6' Round Brick Inlet w/ Curb Hood & Grate	VF	\$ 568.00	0	\$ -
161	4' Round Brick Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 397.00	0	\$ -
162	5' Round Brick Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 511.00	0	\$ -
163	6' Round Brick Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 568.00	0	\$ -
Precast Square Inlets					

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
164	4' Square Precast Inlet w/ Flush Grate Only	VF	\$ 511.00	0	\$ -
165	5' Square Precast Inlet w/ Flush Grate Only	VF	\$ 624.00	0	\$ -
166	6' Square Precast Inlet w/ Flush Grate Only	VF	\$ 738.00	0	\$ -
167	4' Square Precast Inlet w/ Curb Hood & Grate	VF	\$ 568.00	0	\$ -
168	5' Square Precast Inlet w/ Curb Hood & Grate	VF	\$ 681.00	0	\$ -
169	6' Square Precast Inlet w/ Curb Hood & Grate	VF	\$ 794.00	0	\$ -
170	4' Square Precast Inlet w/ Pedestal Top & Grate	VF	\$ 568.00	0	\$ -
171	5' Square Precast Inlet w/ Pedestal Top & Grate	VF	\$ 681.00	0	\$ -
172	6' Square Precast Inlet w/ Pedestal Top & Grate	VF	\$ 794.00	0	\$ -
Precast Round Inlets					
173	4' Round Precast Inlet w/ Flush Grate Only	VF	\$ 257.00	0	\$ -
174	5' Round Precast Inlet w/ Flush Grate Only	VF	\$ 345.00	0	\$ -
175	6' Round Precast Inlet w/ Flush Grate Only	VF	\$ 510.00	0	\$ -
176	4' Round Precast Inlet w/ Curb Hood & Grate	VF	\$ 303.00	0	\$ -
177	5' Round Precast Inlet w/ Curb Hood & Grate	VF	\$ 404.00	0	\$ -
178	6' Round Precast Inlet w/ Curb Hood & Grate	VF	\$ 530.00	0	\$ -
179	4' Round Precast Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 357.00	0	\$ -
180	5' Round Precast Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 404.00	0	\$ -
181	6' Round Precast Inlet w/ Pedestal Top & Grate or MH Ring & Cover	VF	\$ 569.00	0	\$ -
Square Brick Manholes					
182	4' Square Brick Manhole w/ Manhole Ring & Cover	VF	\$ 511.00	0	\$ -
183	5' Square Brick Manhole w/ Manhole Ring & Cover	VF	\$ 568.00	0	\$ -
184	6' Square Brick Manhole w/ Manhole Ring & Cover	VF	\$ 624.00	0	\$ -
Round Brick Manholes					
185	4' Round Brick Manhole w/ Manhole Ring & Cover	VF	\$ 568.00	0	\$ -
186	5' Round Brick Manhole w/ Manhole Ring & Cover	VF	\$ 681.00	0	\$ -
187	6' Round Brick Manhole w/ Manhole Ring & Cover	VF	\$ 738.00	0	\$ -
Square Precast Manholes					
188	4' Square Precast Manhole w/ Manhole Ring & Cover	VF	\$ 511.00	0	\$ -
189	5' Square Precast Manhole w/ Manhole Ring & Cover	VF	\$ 568.00	0	\$ -
190	6' Square Precast Manhole w/ Manhole Ring & Cover	VF	\$ 624.00	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
Round Precast Manholes					
191	4' Round Precast Manhole w/ Manhole Ring & Cover	VF	\$ 280.00	0	\$ -
192	5' Round Precast Manhole w/ Manhole Ring & Cover	VF	\$ 438.00	0	\$ -
193	6' Round Precast Manhole w/ Manhole Ring & Cover	VF	\$ 599.00	0	\$ -
Miscellaneous & Special Structures/Components					
194	4' Dia. Pedestal Top with Inlet Frame and Grate	EA	\$ 1,135.00	0	\$ -
195	5' Dia. Pedestal Top with Inlet Frame and Grate	EA	\$ 1,305.00	0	\$ -
196	6' Dia. Pedestal Top with Inlet Frame and Grate	EA	\$ 1,418.00	0	\$ -
197	4' Dia. Pedestal Top with MH Ring & Cover	EA	\$ 1,135.00	0	\$ -
198	5' Dia. Pedestal Top with MH Ring & Cover	EA	\$ 1,305.00	0	\$ -
199	6' Dia. Pedestal Top with MH Ring & Cover	EA	\$ 1,418.00	0	\$ -
200	4' Dia Round to Square	EA	\$ 1,362.00	0	\$ -
201	5' Dia Round to Square	EA	\$ 1,503.00	0	\$ -
202	6' Dia Round to Square	EA	\$ 1,645.00	0	\$ -
203	Precast Replacement Top Only for Single Wing, w/ Ring & Cover, not including throat	EA	\$ 1,418.00	0	\$ -
204	Precast Replacement Top Only for Double Wing w/ Ring & Cover, not including throat	EA	\$ 1,560.00	0	\$ -
205	4'x4' Precast Top w/ MH Ring and Cover	EA	\$ 1,362.00	0	\$ -
206	5'x5' Precast Top w/ MH Ring and Cover	EA	\$ 1,702.00	0	\$ -
207	Cast-in-Place Top Only w/ Ring & Cover	CY	\$ 1,418.00	0	\$ -
208	Cast-in-Place Throat Only	CY	\$ 1,021.00	0	\$ -
209	Invert Installation, 4' Diameter	EA	\$ 318.00	2	\$ 636.00
210	Invert Installation, 5' Diameter	EA	\$ 369.00	0	\$ -
211	Invert Installation, 6' Diameter	EA	\$ 454.00	0	\$ -
212	Invert Installation, other configurations	SF	\$ 40.00	0	\$ -
213	Uncover Buried Junction Box (<4')	EA	\$ 454.00	0	\$ -
214	Uncover Buried Junction Box (4'-7.9')	EA	\$ 511.00	0	\$ -
215	Uncover Buried Junction Box (8'-11.9')	EA	\$ 568.00	0	\$ -
216	Uncover Buried Junction Box (>12')	EA	\$ 681.00	0	\$ -
Grout Connection To Structure					
217	12" Grout Each End to Structure	EA	\$ 454.00	0	\$ -
218	15" Grout Each End to Structure	EA	\$ 511.00	0	\$ -
219	18" Grout Each End to Structure	EA	\$ 568.00	6	\$ 3,408.00
220	21" Grout Each End to Structure	EA	\$ 568.00	0	\$ -
221	24" Grout Each End to Structure	EA	\$ 624.00	2	\$ 1,248.00
222	27" Grout Each End to Structure	EA	\$ 681.00	0	\$ -
223	30" Grout Each End to Structure	EA	\$ 738.00	2	\$ 1,476.00
224	36" Grout Each End to Structure	EA	\$ 794.00	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
225	42" Grout Each End to Structure	EA	\$ 851.00	0	\$ -
226	48" Grout Each End to Structure	EA	\$ 91.00	0	\$ -
227	54" Grout Each End to Structure	EA	\$ 965.00	0	\$ -
228	60" Grout Each End to Structure	EA	\$ 1,021.00	0	\$ -
229	66" Grout Each End to Structure	EA	\$ 1,078.00	0	\$ -
230	72" Grout Each End to Structure	EA	\$ 1,135.00	0	\$ -
231	Grout all joint, cracks & holes, in structures, complete	EA	\$ 568.00	0	\$ -
LINING REQUIREMENTS					
Cured In Place Pipe Liner (CIPP) - (12' or less in depth) Includes Pre & Post Television Inspections during lining					
232	12" PIPE- 7.5mm (.2953")	LF	\$ 68.31	0	\$ -
233	15" PIPE- 7.5mm (.2953")	LF	\$ 68.31	0	\$ -
234	18" PIPE- 8.0mm (.315")	LF	\$ 71.28	225	\$ 16,038.00
235	21" PIPE- 10.0mm (.3937")	LF	\$ 81.18	0	\$ -
236	24" PIPE- 10.0mm (.3937")	LF	\$ 101.97	87	\$ 8,871.39
237	30" PIPE- 12.5mm (.4921")	LF	\$ 123.75	186	\$ 23,017.50
238	36" PIPE- 16.0mm (.6299")	LF	\$ 157.41	0	\$ -
239	42" PIPE- 18.0mm (.7087")	LF	\$ 207.90	0	\$ -
240	48" PIPE- 21.0mm (.8268")	LF	\$ 247.50	0	\$ -
241	54" PIPE- 24.0mm (.9449")	LF	\$ 308.88	0	\$ -
242	60" PIPE- 28.5mm (1.122")	LF	\$ 436.59	0	\$ -
243	66" PIPE- 30.0mm (1.1811")	LF	\$ 781.11	0	\$ -
244	72" PIPE- 32.5mm (1.2795")	LF	\$ 935.55	0	\$ -
245	78" PIPE- 33.0mm (1.2992")	LF	\$ 1,099.89	0	\$ -
246	84" PIPE- 35.5mm (1.3976")	LF	\$ 1,274.13	0	\$ -
247	90" PIPE- 38.0mm (1.4961")	LF	\$ 1,308.78	0	\$ -
248	96" PIPE- 40.5mm (1.5945")	LF	\$ 1,358.28	0	\$ -
249	Additional Cost Per 1.5mm (.0591") Thickness - 12" PIPE	LF	\$ 2.97	0	\$ -
250	Additional Cost Per 1.5mm (.0591") Thickness - 15" PIPE	LF	\$ 2.97	0	\$ -
251	Additional Cost Per 1.5mm (.0591") Thickness - 18" PIPE	LF	\$ 2.97	0	\$ -
252	Additional Cost Per 1.5mm (.0591") Thickness - 21" PIPE	LF	\$ 3.96	0	\$ -
253	Additional Cost Per 1.5mm (.0591") Thickness - 24" PIPE	LF	\$ 3.96	0	\$ -
254	Additional Cost Per 1.5mm (.0591") Thickness - 30" PIPE	LF	\$ 4.95	0	\$ -
255	Additional Cost Per 1.5mm (.0591") Thickness - 36" PIPE	LF	\$ 4.95	0	\$ -
256	Additional Cost Per 1.5mm (.0591") Thickness - 42" PIPE	LF	\$ 5.94	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
257	Additional Cost Per 1.5mm (.0591") Thickness - 48" PIPE	LF	\$ 7.92	0	\$ -
258	Additional Cost Per 1.5mm (.0591") Thickness - 54" PIPE	LF	\$ 10.89	0	\$ -
259	Additional Cost Per 1.5mm (.0591") Thickness - 60" PIPE	LF	\$ 10.89	0	\$ -
260	Additional Cost Per 1.5mm (.0591") Thickness - 66" PIPE	LF	\$ 13.86	0	\$ -
261	Additional Cost Per 1.5mm (.0591") Thickness - 72" PIPE	LF	\$ 15.84	0	\$ -
262	Additional Cost Per 1.5mm (.0591") Thickness - 78" PIPE	LF	\$ 18.81	0	\$ -
263	Additional Cost Per 1.5mm (.0591") Thickness - 84" PIPE	LF	\$ 20.79	0	\$ -
264	Additional Cost Per 1.5mm (.0591") Thickness - 90" PIPE	LF	\$ 22.77	0	\$ -
265	Additional Cost Per 1.5mm (.0591") Thickness - 96" PIPE	LF	\$ 24.75	0	\$ -
Inversion Setup					
266	Inversion Setup Charge 15"- 36" CIPP	EA	\$ 1,684.98	3	\$ 5,054.94
267	Inversion Setup Charge 42"- 60" CIPP	EA	\$ 1,909.71	0	\$ -
268	Inversion Setup Charge 66"- 96" CIPP	EA	\$ 2,807.64	0	\$ -
Spin Cast Lining					
269	30" Cent. Spin Cast Lining	LF	\$ 359.37	0	\$ -
270	36" Cent. Spin Cast Lining	LF	\$ 404.91	0	\$ -
271	42" Cent. Spin Cast Lining	LF	\$ 472.23	0	\$ -
272	48" Cent. Spin Cast Lining	LF	\$ 539.55	0	\$ -
273	54" Cent. Spin Cast Lining	LF	\$ 637.56	0	\$ -
274	60" Cent. Spin Cast Lining	LF	\$ 815.76	0	\$ -
275	66" Cent. Spin Cast Lining	LF	\$ 896.94	0	\$ -
276	72" Cent. Spin Cast Lining	LF	\$ 970.20	0	\$ -
Slip Lining w/HDPE, Includes Grouting					
277	15" Slip Lining	LF	\$ 545.00	0	\$ -
278	18" Slip Lining	LF	\$ 225.00	0	\$ -
279	24" Slip Lining	LF	\$ 300.00	0	\$ -
280	30" Slip Lining	LF	\$ 375.00	0	\$ -
281	36" Slip Lining	LF	\$ 450.00	0	\$ -
282	42" Slip Lining	LF	\$ 524.00	0	\$ -
283	48" Slip Lining	LF	\$ 599.00	0	\$ -
284	54" Slip Lining	LF	\$ 674.00	0	\$ -
285	60" Slip Lining	LF	\$ 749.00	0	\$ -
Slip Lining with Snap-Tite HDPE (AASHTO M326), Include Grouting					
286	12.75" OD	LF	\$ 155.00	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
287	14" OD	LF	\$ 173.00	0	\$ -
288	18" OD	LF	\$ 173.00	0	\$ -
289	20" OD	LF	\$ 211.00	0	\$ -
290	24" OD	LF	\$ 243.00	0	\$ -
291	32" OD	LF	\$ 278.00	0	\$ -
292	36" OD	LF	\$ 397.00	0	\$ -
293	42" OD	LF	\$ 462.00	0	\$ -
294	48" OD	LF	\$ 551.00	0	\$ -
295	54" OD	LF	\$ 678.00	0	\$ -
296	63" OD	LF	\$ 784.00	0	\$ -
Styrene Free- Cured In Place Pipe Liner (12' or Less in Depth)					
297	Styrene Free 12" PIPE- 7.5mm	LF	\$ 102.96	0	\$ -
298	Styrene Free 15" PIPE- 7.5mm	LF	\$ 110.88	0	\$ -
299	Styrene Free 18" PIPE- 8.0mm	LF	\$ 123.75	0	\$ -
300	Styrene Free 21" PIPE- 10.0mm	LF	\$ 138.60	0	\$ -
301	Styrene Free 24" PIPE- 10.0mm	LF	\$ 158.40	0	\$ -
302	Styrene Free 30" PIPE- 12.5mm	LF	\$ 194.04	0	\$ -
303	Styrene Free 36" PIPE- 16.0mm	LF	\$ 250.47	0	\$ -
304	Styrene Free 42" PIPE- 18.0mm	LF	\$ 337.59	0	\$ -
305	Styrene Free 48" PIPE- 21.0mm	LF	\$ 449.46	0	\$ -
306	Styrene Free 54" PIPE- 24.0mm	LF	\$ 562.32	0	\$ -
307	Styrene Free 60" PIPE- 28.5mm	LF	\$ 657.36	0	\$ -
308	Styrene Free 66" PIPE - 30.0mm	LF	\$ 763.29	0	\$ -
309	Styrene Free 72" PIPE- 32.5mm	LF	\$ 1,039.50	0	\$ -
310	Styrene Free 78" PIPE- 33.0mm	LF	\$ 1,095.93	0	\$ -
311	Styrene Free 84" PIPE- 35.5mm	LF	\$ 1,167.21	0	\$ -
312	Styrene Free 90" PIPE- 38.0mm	LF	\$ 1,326.60	0	\$ -
313	Styrene Free 96" PIPE - 40.5mm	LF	\$ 1,587.96	0	\$ -
314	Additional Cost Per 1.5mm Thickness Styrene Free - 12" PIPE	LF	\$ 4.95	0	\$ -
315	Additional Cost Per 1.5mm Thickness Styrene Free - 15" PIPE	LF	\$ 6.93	0	\$ -
316	Additional Cost Per 1.5mm Thickness Styrene Free - 18" PIPE	LF	\$ 6.93	0	\$ -
317	Additional Cost Per 1.5mm Thickness Styrene Free - 21" PIPE	LF	\$ 7.92	0	\$ -
318	Additional Cost Per 1.5mm Thickness Styrene Free - 24" PIPE	LF	\$ 7.92	0	\$ -
319	Additional Cost Per 1.5mm Thickness Styrene Free - 30" PIPE	LF	\$ 10.89	0	\$ -
320	Additional Cost Per 1.5mm Thickness Styrene Free - 36" PIPE	LF	\$ 13.86	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
321	Additional Cost Per 1.5mm Thickness Styrene Free - 42" PIPE	LF	\$ 15.84	0	\$ -
322	Additional Cost Per 1.5mm Thickness Styrene Free - 48" PIPE	LF	\$ 14.85	0	\$ -
323	Additional Cost Per 1.5mm Thickness Styrene Free - 54" PIPE	LF	\$ 17.82	0	\$ -
324	Additional Cost Per 1.5mm Thickness Styrene Free - 60" PIPE	LF	\$ 21.78	0	\$ -
325	Additional Cost Per 1.5mm Thickness Styrene Free - 66" PIPE	LF	\$ 23.76	0	\$ -
326	Additional Cost Per 1.5mm Thickness Styrene Free - 72" PIPE	LF	\$ 26.73	0	\$ -
327	Additional Cost Per 1.5mm Thickness Styrene Free - 78" PIPE	LF	\$ 29.70	0	\$ -
328	Additional Cost Per 1.5mm Thickness Styrene Free - 84" PIPE	LF	\$ 30.69	0	\$ -
329	Additional Cost Per 1.5mm Thickness Styrene Free - 90" PIPE	LF	\$ 32.67	0	\$ -
330	Additional Cost Per 1.5mm Thickness Styrene Free - 96" PIPE	LF	\$ 35.64	0	\$ -
Cast in Place Concrete					
331	Paved Ditch/Swale (4" Thick)	SY	\$ 46.00	0	\$ -
332	Driveway 4" Concrete (Residential w/4" of GAB included)	SY	\$ 57.00	0	\$ -
333	Driveway 6" Concrete (Commercial w/6" of GAB included)	SY	\$ 69.00	0	\$ -
334	Driveway 8" Concrete (Commercial w/6" of GAB included)	SY	\$ 103.00	0	\$ -
335	Regular Duty Sidewalk (4" Thick, 3000 psi) <5' length	SY	\$ 57.00	0	\$ -
336	Regular Duty Sidewalk (4" Thick, 3000 psi) 5'-10' length	SY	\$ 57.00	0	\$ -
337	Regular Duty Sidewalk (4" Thick, 3000 psi) 11'-20' length	SY	\$ 57.00	0	\$ -
338	Medium Duty Sidewalk (5" Thick, Fiber Reinf. 3000 psi) <5' length	SY	\$ 63.00	0	\$ -
339	Medium Duty Sidewalk (5" Thick, Fiber Reinf. 3000 psi) 5'-10' length	SY	\$ 63.00	0	\$ -
340	Medium Duty Sidewalk (5" Thick, Fiber Reinf. 3000 psi) 11'-20' length	SY	\$ 63.00	0	\$ -
341	Heavy Duty Sidewalk (6" w/Wire Mesh, & 3500 psi) <5' length	SY	\$ 69.00	0	\$ -
342	Heavy Duty Sidewalk (6" w/Wire Mesh, & 3500 psi) 5'-10' length	SY	\$ 69.00	0	\$ -
343	Heavy Duty Sidewalk (6" w/Wire Mesh, & 3500 psi) 11'-20' length	SY	\$ 69.00	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
380	Seed & Straw (Permanent Grassing)	SY	\$ 5.00	0	\$ -
381	Seed & Straw (Temporary Grassing)	SY	\$ 4.00	0	\$ -
382	Sodding Complete-Fescue	SY	\$ 10.00	0	\$ -
383	Sodding Complete-Bermuda	SY	\$ 11.00	0	\$ -
384	Sodding Complete-Zoyzia	SY	\$ 14.00	0	\$ -
385	Sodding Complete-Centipede	SY	\$ 11.00	0	\$ -
386	Topsoil Compete	CY	\$ 29.00	0	\$ -
387	Pine Straw	SY	\$ 11.00	0	\$ -
388	Straw Mulch	SY	\$ 10.00	0	\$ -
389	Tree Replacement 2-1/2" Hardwood, Installed	EA	\$ 256.00	0	\$ -
390	Tree Replacement 2-1/2" Pine, Installed	EA	\$ 256.00	0	\$ -
391	Shrub Replacement: 1 gallon, installed	EA	\$ 69.00	0	\$ -
392	Shrub Replacement: 3 gallon, installed	EA	\$ 91.00	0	\$ -
393	Shrub Replacement: 5 gallon, installed	EA	\$ 114.00	0	\$ -
394	Shrub Replacement: 7 gallon, installed	EA	\$ 142.00	0	\$ -
395	Bedding Flower per flat of 18, installed	SY	\$ 57.00	0	\$ -
Miscellaneous Items					
396	Connect to Existing Structures	EA	\$ 454.00	0	\$ -
397	Debris Removal, Tandem Dump Truck	Per Load	\$ 171.00	0	\$ -
398	Removal of Existing Non Drainage Structure	EA	\$ 681.00	0	\$ -
399	Removal of Existing Drainage Structure	EA	\$ 908.00	0	\$ -
400	Remove Existing Pipe all Types and Sizes	LF	\$ 57.00	0	\$ -
401	Saw Cut Existing Pavements	LF	\$ 5.00	0	\$ -
402	Stone #57	TON	\$ 40.00	0	\$ -
403	Surge Stone	TON	\$ 29.00	0	\$ -
404	No. 3's and 4's Stone	TON	\$ 29.00	0	\$ -
405	Roll-Off Dumpster	Per Day	\$ 397.00	0	\$ -
406	Relocate Existing Residential Water Meter, Including Box	EA	\$ 284.00	0	\$ -
407	Install Thermal Barrier to protect water service line or other utilities	SF	\$ 2.00	0	\$ -
408	Bypass pumping setup-equipment and hose placement	EA	\$ 227.00	0	\$ -
409	4" Pumping Operation Time	HR	\$ 57.00	0	\$ -
410	6" Pumping Operation Time	HR	\$ 69.00	0	\$ -
411	8" Pumping Operation Time	HR	\$ 80.00	0	\$ -
412	10" Pumping Operation Time	HR	\$ 91.00	0	\$ -
413	12" Pumping Operation Time	HR	\$ 103.00	0	\$ -
414	Temporary 4' Chain Link Fence	LF	\$ 23.00	0	\$ -

City of Dunwoody - Annual Stormwater CIPP Proposal - 4887 Twin Branches Way



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
344	Curb & Gutter 6"x24"x12" High Back	LF	\$ 37.00	0	\$ -
345	Curb & Gutter 6"x30"x12" High Back	LF	\$ 40.00	0	\$ -
346	Curb and Gutter 6"x24"x10" Roll Back	LF	\$ 35.00	0	\$ -
347	Straight Header Curb	LF	\$ 40.00	0	\$ -
348	Concrete Drainage Structures Poured In Place w/ Steel	CY	\$ 624.00	0	\$ -
349	High Early Strength (5000 psi)	CY	\$ 624.00	0	\$ -
Road Restoration					
350	Graded Aggregate Base	TN	\$ 69.00	0	\$ -
351	Crusher Run Stone	TN	\$ 69.00	0	\$ -
352	Asphaltic Concrete Binder Course	TN	\$ 171.00	0	\$ -
353	Asphaltic Concrete Surface Course	TN	\$ 193.00	0	\$ -
354	Tack Coat	GAL	\$ 46.00	0	\$ -
355	2" Asph. Con. Hot Mix for Trench Cap	TN	\$ 250.00	0	\$ -
356	8" Thick 3000 psi- Concrete Trench Cap	CY	\$ 205.00	0	\$ -
Earthwork & Grading					
357	Tree Removal 6"-12"	EA	\$ 681.00	0	\$ -
358	Tree Removal 13"-23"	EA	\$ 1,702.00	0	\$ -
359	Tree Removal >23"	EA	\$ 2,836.00	0	\$ -
360	Clear & Grubbing	SY	\$ 6.00	0	\$ -
361	Channel Excavation	CY	\$ 18.00	0	\$ -
362	Additional Excavation	CY	\$ 12.00	0	\$ -
363	Haul-In Structural Fill Material	CY	\$ 23.00	0	\$ -
364	Haul-Off Soil Material	CY	\$ 23.00	0	\$ -
365	Finish Grading	SY	\$ 10.00	0	\$ -
366	Trench Rock Excavation	CY	\$ 171.00	0	\$ -
367	Debris Removal	CY	\$ 23.00	0	\$ -
Erosion Control					
368	Stone Rip Rap Type I In Place	SY	\$ 52.00	0	\$ -
369	Stone Rip Rap Type III In Place	SY	\$ 40.00	0	\$ -
370	Stone Grouted Rip Rap 12" Installed	SY	\$ 63.00	0	\$ -
371	Install & Remove Type A Silt Fence	LF	\$ 3.00	0	\$ -
372	Install & Remove Type C Silt Fence	LF	\$ 4.00	0	\$ -
373	Install & Remove Type C Silt Fence - Alternative	LF	\$ 4.00	0	\$ -
374	Inlet Sediment Traps - Silt Fence Sd2	EA	\$ 57.00	0	\$ -
375	Rock Bags for curb inlet/CB sediment Protection	EA	\$ 114.00	0	\$ -
376	Install & Remove Orange Tree Save Fence	LF	\$ 4.00	0	\$ -
377	Gabion Structures (GDOT Section 626 & 809)	CY	\$ 681.00	0	\$ -
378	Permanent Soil Reinf Mat Installed	SY	\$ 8.00	0	\$ -
379	Organic Material Fiber Blanket Installed	SY	\$ 6.00	0	\$ -

**City of Dunwoody - Annual Stormwater CIPP
Proposal - 4887 Twin Branches Way**



Thursday, March 10, 2016

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
415	Remove and Replace Existing 4' Galvanized Standard Chain Link Fence Residential	LF	\$ 35.00	0	\$ -
416	Remove and Replace Existing 5' Galvanized Standard Chain Link Fence Residential	LF	\$ 40.00	0	\$ -
417	Remove and Replace Existing 4' Black Vinyl Standard Chain Link Fence Residential	LF	\$ 40.00	0	\$ -
418	Remove and Replace Existing 5' Black Vinyl Standard Chain Link Fence Residential	LF	\$ 46.00	0	\$ -
419	Steel Plates (Typ. 5'x8' Size)	EA/Day	\$ 227.00	0	\$ -
420	Reset Existing Headwall	EA	\$ 341.00	0	\$ -
	10% Contingency				\$ 6,814.93
	Total				\$ 74,964.24

MEMORANDUM

To: Mayor and City Council

From: David Elliott

Date: March 28, 2015

Subject: **Approval of Funding for Stormwater Pipe Repairs at 5555 Bend Creek Road.**

ITEM DESCRIPTION

Approval of Funding for Stormwater Pipe Repairs at 5555 Bend Creek Road. Estimate for the rehabilitation and sinkhole repair is \$61,809, which includes a 10% contingency. This proposed project would be funded with the Stormwater Repairs and Maintenance Budget.

BACKGROUND

Needed repairs were located after resident complaint of sinkhole at 5555 Bend Creek Road. The pipe in this area is 145' in length and a 60" arched culvert. The pipe is made of corrugated metal and is significantly deteriorated throughout the entire length.

The sinkhole is a result of a failed brick junction box and the adjoining pipe segment. The project also involves the rehabilitation of 2 headwalls. Headwalls, junction box, and 145' of culvert will be repaired with shotcrete and a combination of rebar, wire mesh, and fiber reinforcement. Unless unforeseen circumstances are encountered the project can be completed with no significant excavation and minimal disturbance.

RECOMMENDED ACTION

Staff recommends approving \$61,809 in funding for Stormwater Culvert Repairs at 5555 Bend Creek Road.

#7.



Failed Pipe Segment under Sinkhole



Large cracks in failing junction box



PROSHOT CONCRETE, INC.

SHOTCRETE CONTRACTORS & ENGINEERS

Telephone: 256.764.5941

4158 Musgrove Drive
Florence, AL 35630

Fax: 256.764.5946

PROPOSAL

Mr. David Elliott, P.E.
Deputy Director of Stormwater
41 Perimeter Center East, Suite 250
Dunwoody, Georgia 30346

March 10, 2016

Re: RFP 2015-09 Shotcrete Restoration Services for Public Works Stormwater Construction Projects

60" ARCH PIPE REPAIR 5555 BEND CREEK ROAD, DUMWOODY GA

Dear Mr. Elliott,

We submit this proposal for City of Dunwoody 60" Arch pipe repair.

Item (3) 60-inch, arch pipe liner, 3 inch thick, includes wire mesh reinforcement.

145 L F@ \$325 per Lf	\$47,125
(Reinforcing bar install) 145 LF@ 25 per LF	3,625

Item (15) 4 ft dia. Box or manhole seal, 3 inch thick, wire mesh and fiber

6 VF @ \$265 per LF	\$1,590
---------------------	---------

Item (19) New Retaining Walls, 5000psi, 6 inch thick, #5 hort. & #4 vert. @ 6"oc/ew
(Headwall)

10 SY @ 385 per SY	3,850
--------------------	-------

1	10% Contingency	<u>\$5,619</u>
---	-----------------	----------------

	Total for this Project	\$61,809
--	------------------------	----------

Respectfully, submitted,
Proshot Concrete, Inc.

Patrick A. Mooney
Senior Estimator/Project Manager

Accepted _____, 20____

PROSHOT CONCRETE, INC.

By _____

By _____

Approved _____

MEMORANDUM

To: Mayor and City Council

From: David Elliott

Date: August 24, 2015

Subject: **Approval of Additional Funding for Stormwater Pipe Repairs at 5631 Woodsong Drive**

ITEM DESCRIPTION

Approval of additional funding for Stormwater Pipe Repairs at 5631 Woodsong Drive. Public Works Staff request an additional \$17,445 in funding for this project, for a total of \$100,545. This project will be funded with the Stormwater Repairs and Maintenance Budget.

BACKGROUND

The original estimate approved by City Council was \$83,100, which included a 10% contingency. However, the scope of this project was expanded from 191' of 60" culvert rehabilitation to 291' of 60" culvert rehabilitation. The additional 100' of culvert repairs were required for successful rehabilitation of this stormwater system.

The additional need was realized after the contractor's employees and equipment mobilized to Dunwoody from Florence, AL. Staff instructed Proshot Concrete to complete the additional 100' of repair at that time to prevent the need for a second mobilization. A second mobilization would have introduced inefficiency and prolonged impacts on residents. The original estimate and current invoice are attached to this memorandum.

RECOMMENDED ACTION

Staff recommends approving an additional \$17,445 in funding for stormwater repairs at 5631 Woodsong Drive, for a total of \$100,545.

#8.





PROSHOT CONCRETE, INC.

SHOTCRETE CONTRACTORS & ENGINEERS

Telephone: 256.764.5941

4158 Musgrove Drive
Florence, AL 35630

Fax: 256.764.5946

PROPOSAL

Mr. David Elliott, P.E.
Deputy Director of Stormwater
41 Perimeter Center East, Suite 250
Dunwoody, Georgia 30346

September 3, 2015

Re: RFP 2015-09 Shotcrete Restoration Services for Public Works Stormwater Construction Projects

60" CMP CULVERT REHABILITATION 5639 WOODSONG DRIVE

Dear Mr. Elliott,

We submit this proposal for City of Dunwoody 60" Culvert Rehabilitation:

Item (7) 60-inch, rnd. liner, 5,000psi, 2inch thick, includes wire mesh reinforcement.

191 LF@ \$325 per LF	\$62,075
----------------------	----------

Item (21) Seal End & Wing Wall, 2 Inch thick, 5,000psi mix includes coverage with wire mesh.

15 SY @ \$198 per SY	\$ 2,970
----------------------	----------

Item (23) Clean all pipes and structures (solid debris removal only)

7 CY @ \$1500 per CY (estimate)	<u>\$10,500</u>
---------------------------------	-----------------

Total for this Project	\$75,545
------------------------	----------

Respectfully, submitted,
Proshot Concrete, Inc.

cc: Tony McDougale/Donnie Barnes
Jacob Worley/Connie Dill

Patrick A. Mooney
Senior Estimator/Project Manager

Accepted _____, 20____

PROSHOT CONCRETE, INC.

By _____

By _____

Approved _____



PROSHOT CONCRETE, INC.
4158 Musgrove Drive
Florence, AL 35630

INVOICE

Project No.: PS 15-040

Invoice No: 1716-5

Date: March 16, 2016

Your Project No: 00579

Terms: On Receipt

TO: David Elliott, P.E.

City of Dunwoody Public Works
 41 Perimeter Center East
 Suite 250
 Dunwoody, GA 30346

RE: Pipe repairs at 5631 Woodsong Drive

ITEM	DESCRIPTION	QUANTITIES		UNIT PRICE	EARNED THIS PERIOD	EARNED TO DATE
		PREVIOUS	CURRENT			
7	60" round liner 5,000 psi 2" thick includes wire mesh reinforcement		291.00	\$ 325.00 LF	\$ 94,575.00	\$ 94,575.00
21	Seal End & Wing wall, 2" thick, 5,000 psi with wire mesh		15.00	\$ 198.00 SY	\$ 2,970.00	\$ 2,970.00
23	Clean pipes - Debris removal		2.00	\$ 1,500.00 CY	\$ 3,000.00	\$ 3,000.00
NOW DUE CONTRACTOR					\$ 100,545.00	\$ 100,545.00