



4800 Ashford Dunwoody Road
Dunwoody, Georgia 30338
dunwoodyga.gov | 678.382.6700

MEMORANDUM

To: Mayor and City Council

From: Carl Thomas, Stormwater Utility Manager

Date: September 24, 2018

Subject: **Memorandum - FUNDING AUTHORIZATION FOR 4882 HIDDEN BRANCHES DRIVE STORMWATER REPAIRS**

ITEM DESCRIPTION

Approval of Funding for Stormwater Pipe Repairs at **4882 HIDDEN BRANCHES DRIVE**. Estimate for the repairs is **\$41,914.40**, which includes a 10% contingency.

BACKGROUND

Structural impairments were identified after a citizen called about a sinkhole in their backyard. The last inspection by city staff was on 10/5/2017. Pipes were reported in fair condition, but no sinkholes were reported at that time. Repairs were identified using CCTV inspections and require:

- Invert repair with flowable fill
- Sinkhole repair
- Fencing removal/replacement
- Lining of 153 linear feet of 36" Corrugated Metal Pipe with cured in place pipe

The cost of the 2 stormwater projects presented to Council this evening total \$48,544.10. Adding this expenditure to the remaining projects budgeted for completion in FY2018 would create a deficit in the Stormwater Repairs & Maintenance account (see attached summary). For emergency repairs, Public Works prefers to keep a balance of \$1,000,000 in the Stormwater Reserve Fund Account. At the end of FY2017, this account had a balance of over \$2.4 million. Staff recommends deducting the cost of these projects from the surplus available in the Stormwater Reserve Fund.

RECOMMENDED ACTION

Staff recommends approving \$41,914.40 for Stormwater Pipe Repairs at 4882 HIDDEN BRANCHES DRIVE from the Stormwater Reserve Fund.



INVERT FAILURE IN PIPE



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IPR Southeast LLC	
ESTIMATE - RFP 18-04 2018 STANDBY STORMWATER REPAIR UNIT CONTRACT	
PROJECT LOCATION:	4882 Hidden Branches Drive Dunwoody, GA 30338
DATE ESTIMATE PREPARED:	10-Sep-18
ESTIMATE PREPARED BY:	Graham Hill
ESTIMATE AMOUNT:	\$38,104.00
10 % CONTINGENCY:	\$3,810.40
ESTIMATE GRAND TOTAL:	\$41,914.40

Pre-Lining Work:

	Pre CCTV and Cleaning
	Repair Flowable Pipe Inverts
	Sinkhole Repair
	Removal of Fence
	Removal of Inlet Cone at 12072

Lining Work:

	CIPP Lining - 153 LF x 36" x 16.5 mm

Post Lining Work:

	Post CCTV
	Seal ends of pipe
	Invert Rebuild
	Replacement of Fence
	Restoration if Needed

ITEM #	Description	Unit	Unit Price	Quantity	Total Costs
General Conditions					
1	Mobilization	EA	\$ 2,000.00	1.00	\$ 2,000.00
2	Out of Scope Work, Foreman	HR	\$ 85.00	4.00	\$ 340.00
3	Out of Scope Work, Laborer	HR	\$ 70.00	8.00	\$ 560.00
Traffic Control					
5	Traffic Control Minor 2 - Includes Cones and Signage	DA	\$ 1,850.00	1.00	\$ 1,850.00
TV Inspection and Jet-Vac Cleaning					
7	CCTV Storm (w/ DVD & Report)	LF	\$ 2.50	153.00	\$ 382.50
Storm Cleaning (less than 25% full)					
14	24" Pipe - Cleaning less than 25% full	LF	\$ 5.50	153.00	\$ 841.50



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	Flowable Paved Pipe Invert				
125	36" Diameter	LF	\$ 45.00	35.00	\$ 1,575.00
	Misc & Special Structures/Components				
209	Invert Installation, 4' Dia	EA	\$ 275.00	1.00	\$ 275.00
214	Uncover Buried JB (4'-7.9)	EA	\$ 600.00	1.00	\$ 600.00
	Grout Connection to Structure				
224	24" Grout Each End to Structure	EA	\$ 225.00	1.00	\$ 225.00
226	30" Grout Each End to Structure	EA	\$ 240.00	1.00	\$ 240.00
227	36" Grout Each End to Structure	EA	\$ 250.00	2.00	\$ 500.00
	Lining Requirements				
	CIPP (12' or less in depth)				
	Includes Pre and Post TV during lining				
242	36" - 16.0mm (.6299")	LF	\$ 145.00	153.00	\$ 22,185.00
259	Add Thickness Per 1.5mm -36"	LF	\$ 5.00	153.00	\$ 765.00
	Inversion Setup				
270	Inversion Setup Charge 15-36" CIPP	EA	\$ 900.00	1.00	\$ 900.00
	Earthwork & Grading				
368	Haul-In Structural Fill Material	CY	\$ 50.00	35.00	\$ 1,750.00
370	Finish Grading	SY	\$ 5.00	25.00	\$ 125.00
	Erosion Control				
386	Seed & Straw (Permanent Grassing)	SY	\$ 2.00	100.00	\$ 200.00
392	Topsoil Complete	CY	\$ 30.00	5.00	\$ 150.00
394	Straw Mulch	SY	\$ 1.50	10.00	\$ 15.00
	Miscellaneous Items				
430	Rem/Rep Existing 6' Wood Fence Residential	LF	\$ 75.00	25.00	\$ 1,875.00
434	Adjust Manhole Cover in Soil (complete, includes removal or modificalton of old structure top)	EA	\$ 750.00	1.00	\$ 750.00
	TOTAL ESTIMATE				\$38,104.00