

MEMORANDUM

To: Mayor and City Council

From: David Elliott

Date: December 11, 2017

Subject: **4474 Haverstraw Drive funding approval for Stormwater Repairs.**

ITEM DESCRIPTION

Approval of funding for stormwater pipe repairs at 4474 Haverstraw Drive. Estimate for the culvert rehabilitation is \$60,466.05, which includes a 10% contingency.

BACKGROUND

Needed repairs were located after a resident reported concerns about the condition of a nearby creek. While inspecting the resident complaint, staff observed degraded pipe conditions and an undocumented pipe extension. This project will include the removal of approximately 24' of unpermitted pipe extensions.

In addition, this project will include rehabilitating 277' of corrugated metal pipe with cured in place pipe. The project also includes the rehabilitation of 4 underground stormwater structures that are connected to the corrugated metal pipe.

This project will be funded with the 2017 Stormwater Maintenance Budget.

RECOMMENDED ACTION

Staff recommends approving \$60,466.05 in funding for Stormwater Culvert Repairs at 4474 Haverstraw Drive.

#12.



Deteriorated portions of 30" Corrugated Metal Pipe

IPR Southeast LLC	
ESTIMATE FOR CITY OF DUNWOODY 2014 STANDBY STORMWATER SYSTEM REPAIR CONTRACT	
PROJECT LOCATION:	4474 Haverstraw Drive Dunwoody, GA 30338
DATE ESTIMATE PREPARED:	14-Nov-17
ESTIMATE PREPARED BY:	Daniel Guse
ESTIMATE AMOUNT:	\$54,950.95
10 % CONTINGENCY:	\$5,495.10
ESTIMATE GRAND TOTAL:	\$60,446.05

Pre-Lining Work:

CCTV and Cleaning,
Remove solid tops (13541 and 13542) and replace with new manhole entry tops
Repair Junction Box 13541 - Cut back intruding pipes - Seal invert of outgoing pipe
Remove bush over catch basin 13542
Chip and cleanout invert of catch basin 13543
Repair invert of pipes

Lining Work:

277 LF x 30" x 13.5 mm CIPP

Post Lining Work:

Post CCTV
Place new tops
Invert Reconstruction in structures
Restoration as Needed - New Bush

ITEM #	Description	Unit	Unit Price	Quantity	Total Costs
General Conditions					
1	Mobilization	EA	\$ 1,600.00	1.00	\$ 1,600.00
2	Out of Scope Work, Foreman	HR	\$ 85.00	12.00	\$ 1,020.00
3	Out of Scope Work, Laborer	HR	\$ 70.00	12.00	\$ 840.00
Traffic Control					
5	Traffic Control Minor	DA	\$ 1,000.00	1.00	\$ 1,000.00
TV Inspection and Jet-Vac Cleaning					
7	CCTV Storm (w/ DVD & Report)	LF	\$ 2.05	277.00	\$ 567.85
Storm Cleaning (less than 25% full)					
15	30" Pipe - Clean less than 25% full	LF	\$ 5.80	32.00	\$ 185.60
Storm Cleaning (25% or greater)					
32	30" Pipe - Clean 25% or greater	LF	\$ 6.50	245.00	\$ 1,592.50

	Flowable Paved Pipe Invert				
124	30"	LF	\$ 35.00	50.00	\$ 1,750.00
	Internal Point Repair				
133	30"	LF	\$ 199.00	5.00	\$ 995.00
	Misc & Special Structures/Components				
206	5'x5' Precast Top w/ MH R/C	EA	\$ 675.00	2.00	\$ 1,350.00
209	Invert Installation, 4' Dia	EA	\$ 255.00	3.00	\$ 765.00
	Grout Connection to Structure				
223	30" Grout Each End to Structure	EA	\$ 215.00	6.00	\$ 1,290.00
231	Grout all jnt, crcks & holes	EA	\$ 500.00	1.00	\$ 500.00
	Lining Requirements				
	CIPP (12' or less in depth)				
	Includes Pre and Post TV during lining				
237	30" - 12.5mm (.4921")	LF	\$ 130.00	277.00	\$ 36,010.00
254	Add Thickness Per 1.5mm -30"	LF	\$ 5.00	277.00	\$ 1,385.00
	Inversion Setup				
266	Inversion Setup Charge 15-36" CIPP	EA	\$ 850.00	2.00	\$ 1,700.00
	Earthwork & Grading				
365	Tree Removal 6" - 12"	EA	\$ 500.00	1.00	\$ 500.00
	Erosion Control				
388	Seed & Straw (Permanent Grassing)	SY	\$ 2.00	50.00	\$ 100.00
395	Pine Straw	SY	\$ 2.50	20.00	\$ 50.00
402	Shrub Replacement: 7 gallon, installed	EA	\$ 150.00	1.00	\$ 150.00
	Miscellaneous Items				
407	Removal of Existing Drainage Structure	EA	\$ 800.00	2.00	\$ 1,600.00
	TOTAL ESTIMATE				\$54,950.95
	10% CONTINGENCY				\$5,495.10
	GRAND TOTAL ESTIMATE				\$60,446.05