



4800 Ashford Dunwoody Road
Dunwoody, Georgia 30338
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MEMORANDUM

To: Mayor and City Council

From: Carl Thomas

Date: April 8, 2019

Subject: **Memorandum - FUNDING AUTHORIZATION FOR 1352 WYNTERCREEK ROAD STORMWATER REPAIRS**

ITEM DESCRIPTION

Approval of Funding for Stormwater Pipe Repairs at **1352 Wyntercreek Road**. Estimate cost, plus 10% contingency, is **\$71,538.50**.

BACKGROUND

Structural impairments were identified after a citizen called about a sinkhole on February 7, 2019. A previous inspection by the city on 12/22/2016 indicated the pipes were in fair condition, but no sinkholes were observed at that time.

Proposed repairs have been identified using CCTV inspections and require:

- Lining approx. 60 linear feet of corrugated metal pipe
- Dig and Replace approx. 55 linear feet of 36 inch corrugated metal pipe
- Pipe invert repair with flowable fill
- Sinkhole repair
- Reset elevation of junction box & install concrete invert

If approved, this project would be funded from the 2019 Stormwater Repairs & Maintenance Budget.

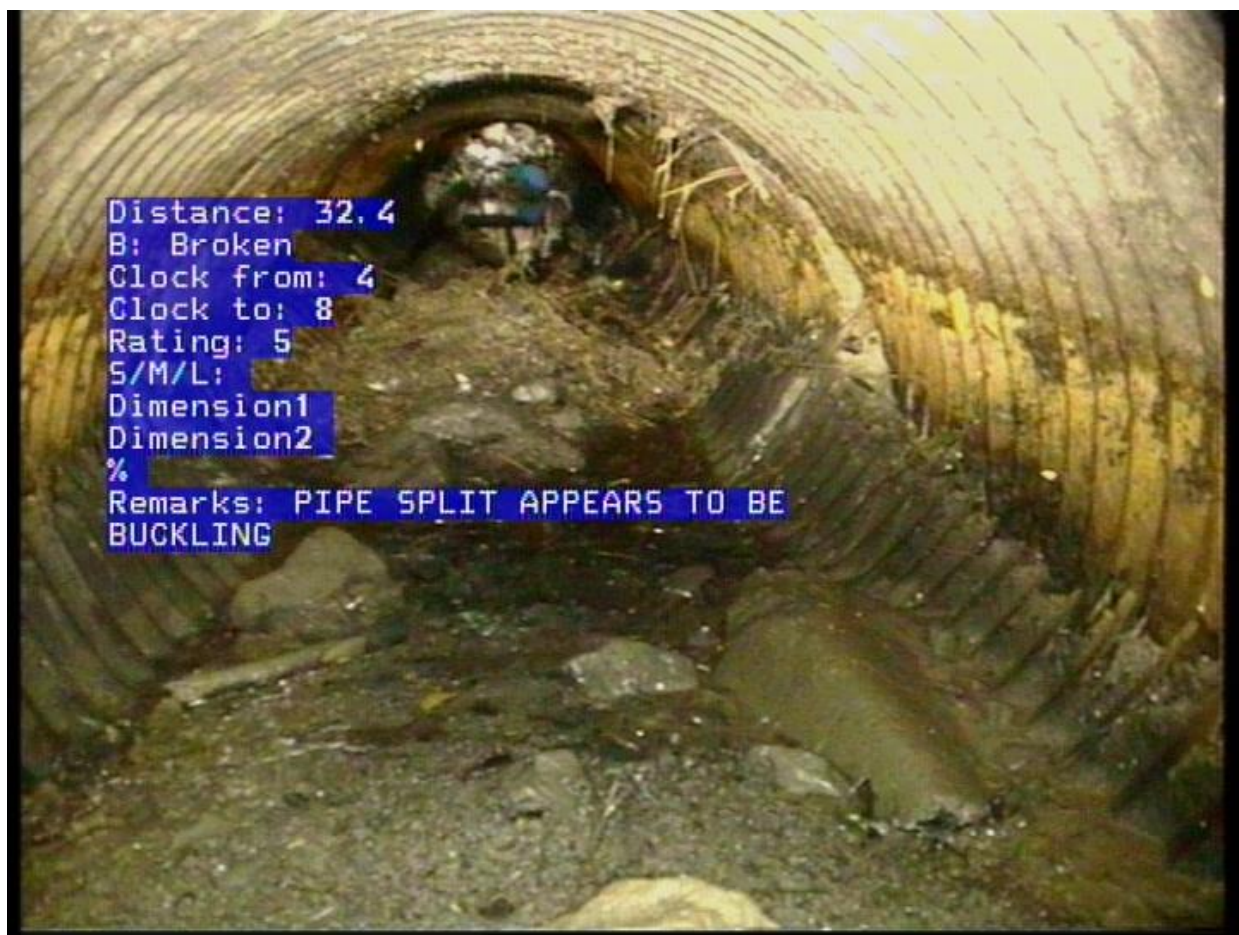
RECOMMENDED ACTION

Staff recommends approving \$71,538.50 in funding for Stormwater Pipe Repairs at 1352 Wyntercreek Road.

SINKHOLE FORMING AROUND DAMAGED JUNCTION BOX



STRUCTURAL FAILURE IN PIPE



IPR Southeast LLC	
ESTIMATE - RFP 18-04 2019 STANDBY STORMWATER REPAIR UNIT CONTRACT	
PROJECT LOCATION:	1352 Wyntercreek Road Dunwoody, GA 30338
DATE ESTIMATE PREPARED:	20-Feb-19
ESTIMATE PREPARED BY:	Dan Guse
ESTIMATE AMOUNT:	\$65,035.00
10 % CONTINGENCY:	\$6,503.50
ESTIMATE GRAND TOTAL:	\$71,538.50

Pre-Lining Work:	
	Pre CCTV and Cleaning
	Specialty Cleaning - Man Entry to remove rocks throughout pipes
	Locate, Raise, Uncover Buried Junction Box - 01815
	Dig and Replace 55 LF of 36" pipe between 01815 and 00186
	Excavate downstream channel
	Clear brush around Catch Basin - 00185
	Remove steps alongside house, Replace after open cut completed
	Invert Repair between 00185 and 01815
Lining Work:	
	CIPP Lining - approx. 90 LF x 36" x 16.5mm
Post Lining Work:	
	Post CCTV
	Restoration after open cut - Fescue sod
	Seal ends of Lined Pipes
	Invert Installation in three structures

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	40.00	\$ 3,400.00
3	Out of Scope Work, Laborer	HR	\$ 70.00	80.00	\$ 5,600.00
	Traffic Control				
5	Traffic Control Minor 2 - Includes Cones and Signage	DA	\$ 1,850.00	2.00	\$ 3,700.00
	TV Inspection and Jet-Vac Cleaning				

7	CCTV Storm (w/ DVD & Report)	LF	\$ 2.50	145.00	\$ 362.50
	Storm Cleaning (25% or greater)				
33	36" Pipe - Cleaning 25% or greater	LF	\$ 10.25	90.00	\$ 922.50
	Special Storm Line Cleaning				
	Roots, Rocks, Debris				
44	12" to 36" Pipe	LF	\$ 18.00	90.00	\$ 1,620.00
45	42" to 96" Pipe	LF	\$ 35.00		\$ -
	Spiral Rib CMP				
	includes excavation, backfill, & compaction				
50	36" SRCMP	LF	\$ 50.00	55.00	\$ 2,750.00
	Additional Depth for Pipes				
	includes excavation, backfill, & compaction				
77	Invert > 8.1' to 12'	LF	\$ 50.00	25.00	\$ 1,250.00
	Flowable Paved Pipe Invert				
125	36" Diameter	LF	\$ 45.00	10.00	\$ 450.00
	Round Precast Manholes				
191	4' Round Precast MH w/ Ring & Cover	VF	\$ 455.00	5.00	\$ 2,275.00
	Misc & Special Structures/Components				
209	Invert Installation, 4' Dia	EA	\$ 275.00	3.00	\$ 825.00
213	Uncover Buried JB (<4')	EA	\$ 400.00	1.00	\$ 400.00
	Grout Connection to Structure				
227	36" Grout Each End to Structure	EA	\$ 250.00	4.00	\$ 1,000.00
	Lining Requirements				
	CIPP (12' or less in depth)				
	Includes Pre and Post TV during lining				
242	36" - 16.0mm (.6299")	LF	\$ 145.00	90.00	\$ 13,050.00
259	Add Thickness Per 1.5mm -36"	LF	\$ 5.00	90.00	\$ 450.00
	Inversion Setup				
270	Inversion Setup Charge 15-36" CIPP	EA	\$ 900.00	1.00	\$ 900.00
	Earthwork & Grading				
362	Tree Removal 6"- 12"	EA	\$ 550.00	1.00	\$ 550.00
365	Clear & Grubbing	SY	\$ 12.50	10.00	\$ 125.00
366	Channel Excavation	CY	\$ 10.00	10.00	\$ 100.00
368	Haul-In Structural Fill Material	CY	\$ 50.00	75.00	\$ 3,750.00
369	Haul-Off Soil Material	CY	\$ 50.00	75.00	\$ 3,750.00
	Erosion Control				
373	Stone Rip Rap Type I in Place	SY	\$ 60.00	20.00	\$ 1,200.00
379	Install & Remove Type C Silt Fence-ALT	LF	\$ 6.00	120.00	\$ 720.00
388	Sodding Complete - Fescue	SY	\$ 5.75	260.00	\$ 1,495.00
392	Topsoil Complete	CY	\$ 30.00	50.00	\$ 1,500.00
393	Pine Straw	SY	\$ 2.50	30.00	\$ 75.00

	Miscellaneous Items				
406	Connect to Existing Structures	EA	\$ 750.00	2.00	\$ 1,500.00
407	Debris Removal, Tandem Dump Truck	Load	\$ 800.00	1.00	\$ 800.00
409	Removal of Existing Drainage Structure	EA	\$ 850.00	1.00	\$ 850.00
410	Removal Existing Pipe all Types and Sizes	LF	\$ 65.00	55.00	\$ 3,575.00
412	Stone #57	Ton	\$ 42.00	20.00	\$ 840.00
418	Bypass pump setup-equipment and hose placement	EA	\$ 850.00	2.00	\$ 1,700.00
419	4" Pumping Operation Time	HR	\$ 55.00	20.00	\$ 1,100.00
432	Reset Existing Headwall	EA	\$ 450.00	1.00	\$ 450.00
	TOTAL ESTIMATE				\$65,035.00