

To: Mayor and City Council
From: Carl Thomas, Stormwater Utility Manager
Re: Funding Authorization for 2389 Welton Place Storm Repairs
Date: November 28th, 2022

Action

Authorize the Mayor, City Manager, or designee to approve \$273,781.09 in funding for Stormwater Pipe Repairs at 2389 Welton Place.

Summary/Details

Structural deficiencies to the storm system on Welton Place were identified responding to a sinkhole reported by the property owner on 1/10/2022. The pipe system is composed of +/- 360 linear feet of 30 and 36-inch corrugated metal pipe that is approximately 45 years old and in poor condition. Closed-Caption Television (CCTV) footage discovered a partially slip-lined pipe underneath the driveway, corrosion, visible holes, joint separations, and deformities in the pipe system. Recommended repairs include:

- Dig and Replace 100 linear feet (LF) of deformed 30-inch Corrugated Metal Pipe (CMP) with reinforced concrete pipe (RCP)
- Replace 150 SY driveway
- Point repairs to 40 LF of 30 and 36-inch deformed CMP
- Repair 360 LF of (CMP) with Cured In Place Pipe (CIPP) liner
- 5 cubic yards (CY) flowable fill

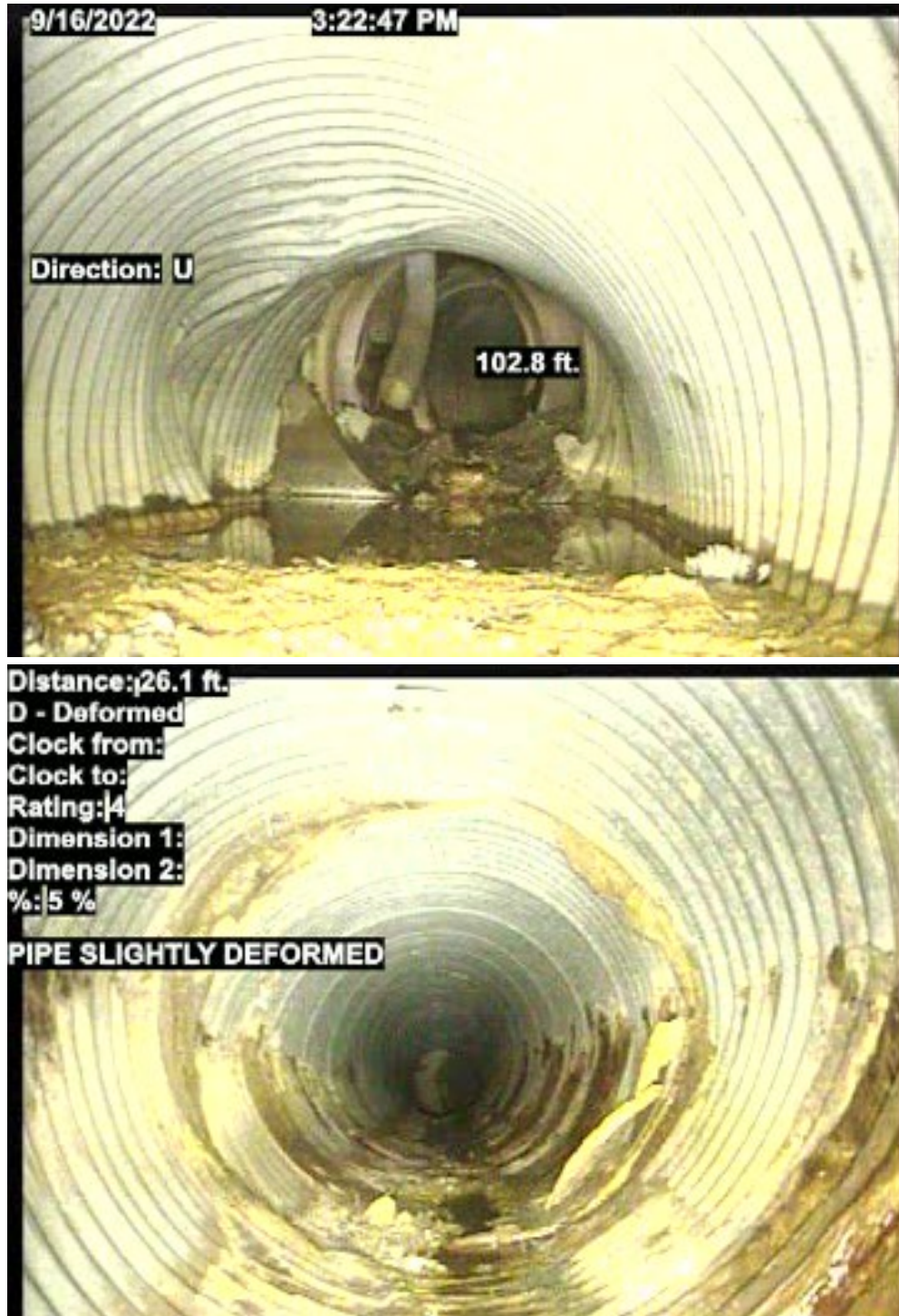
If approved by Council, this project will be funded from the American Rescue Plan Act (ARPA) budget allocated for stormwater improvement projects.

Recommendation

Staff recommends approving \$273,781.09 in funding for Stormwater Pipe Repairs at 2389 Welton Place.



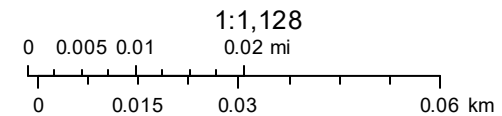
Partial slip-line under driveway,
joint separation, and deformities



Severe Corrosion with Large Voids Deformed sections #2 and #3



The City of Dunwoody does not warrant the accuracy or currency of the map provided and does not guarantee the suitability of the map for any purpose, expressed or implied.



CITY OF DUNWOODY RFP 22-03 STANDBY STORMWATER REPAIR UNIT PRICE CONTRACT					
SOUTHERN PREMIER CONTRACTORS, INC. 2022					
PROJECT LOCATION:			2389 Welton Place		
PREPARED BY:			M. Massey		
DATE INVOICE PREPARED:			11/16/2022		
TOTAL INVOICE			\$	248,891.90	
10%			\$	24,889.19	
			\$	273,781.09	
	Scope of Work:				
	Replace 30" CMP with 30" RCP from CB1 to YI1, replace ped top w/ manway access				
	Replace driveway at 2389 as needed				
	Remove and replace YI2 w/ new precast, point repair on 30" CMP, point repair on 36" CMP				
	Lining: Line 30" & 36"				
	Post: Grout all pipes and landscape disturbed areas				
Item#	Item	Quantity	Unit	Unit Price	Total Cost
1ND	Mobilization	1	EA	\$ 2,000.00	\$ 2,000.00
5ND	Traffic Control Minor 2 – Includes Cones and Signage	6	Per Day	\$ 1,800.00	\$ 10,800.00
9ND	Hydro-Excavation complete (onsite hours only)	3	Per Hour	\$ 375.00	\$ 1,125.00
15ND	30" PIPE - Cleaning less than 25% full	139	LF	\$ 7.10	\$ 986.90
16ND	36" PIPE - Cleaning less than 25% full	100	LF	\$ 7.85	\$ 785.00
44ND	12" to 36" PIPE	40	LF	\$ 50.00	\$ 2,000.00
49ND	30" SRCMP	20	LF	\$ 80.00	\$ 1,600.00
50ND	36" SRCMP	20	LF	\$ 85.00	\$ 1,700.00
60ND	30" RCP	96	LF	\$ 170.00	\$ 16,320.00
77ND	Invert >8.1' to 12'	36	LF	\$ 75.00	\$ 2,700.00
133ND	30" Diameter	5	LF	\$ 500.00	\$ 2,500.00
134ND	36" Diameter	5	LF	\$ 475.00	\$ 2,375.00
179ND	4' Round Precast Inlet w/ Pedestal Top & Grate or MH Ring & Cover	9	VF	\$ 800.00	\$ 7,200.00
194ND	4' Dia. Pedestal Top with Inlet Frame and Grate	1	EA	\$ 1,600.00	\$ 1,600.00
197ND	4' Dia. Pedestal Top with MH Ring & Cover	1	EA	\$ 1,100.00	\$ 1,100.00
207ND	Cast-in-Place Top Only w/Ring & Cover	1	CY	\$ 2,500.00	\$ 2,500.00
208ND	Cast-in-Place Throat Only	2	CY	\$ 2,800.00	\$ 5,600.00
209ND	Invert Installation, 4' Diameter	6	EA	\$ 450.00	\$ 2,700.00
215ND	Uncover Buried Junction Box (8'-11.9')	1	EA	\$ 1,100.00	\$ 1,100.00
219ND	Flowable Fill Abandonment (Pumping included if needed)	5	CY	\$ 1,500.00	\$ 7,500.00
226ND	30" Grout Each End to Structure	6	EA	\$ 240.00	\$ 1,440.00
227ND	36" Grout Each End to Structure	2	EA	\$ 275.00	\$ 550.00
234ND	Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less)	3	EA	\$ 800.00	\$ 2,400.00
235ND	Grout all joint, cracks & holes, in structures, complete (structures greater than 8' de	3	EA	\$ 1,550.00	\$ 4,650.00

241ND	30" PIPE - 13.5mm (.532")	140	LF	\$ 225.00	\$ 31,500.00
242ND	36" PIPE - 16.5mm (.650")	120	LF	\$ 275.00	\$ 33,000.00
258ND	Additional Cost Per 1.5mm (.0591") Thickness - 30" PIPE	140	LF	\$ 35.00	\$ 4,900.00
259ND	Additional Cost Per 1.5mm (.0591") Thickness - 36" PIPE	120	LF	\$ 35.00	\$ 4,200.00
270ND	Inversion Setup Charge 15"- 36" CIPP	2	EACH	\$ 2,500.00	\$ 5,000.00
337ND	Driveway 6" Concrete (Commercial w/6" of GAB included)	150	SY	\$ 95.00	\$ 14,250.00
348ND	Curb & Gutter 6"x24"x12" High Back	50	LF	\$ 52.00	\$ 2,600.00
365ND	Clear & Grubbing	50	SY	\$ 15.00	\$ 750.00
368ND	Haul-In Structural Fill Material	17	CY	\$ 75.00	\$ 1,275.00
369ND	Haul-Off Soil Material	68	CY	\$ 85.00	\$ 5,780.00
370ND	Finish Grading	572	SY	\$ 10.00	\$ 5,720.00
379ND	Install & Remove Type C Silt Fence - Alternative	150	LF	\$ 8.00	\$ 1,200.00
382ND	Install & Remove Orange Tree Save Fence	200	LF	\$ 10.00	\$ 2,000.00
387ND	Seed & Straw (Temporary Grassing)	200	SY	\$ 6.00	\$ 1,200.00
388ND	Sodding Complete-Fescue	448	SY	\$ 15.00	\$ 6,720.00
393ND	Pine Straw	40	EA	\$ 9.00	\$ 360.00
404ND	Irrigation Line Replacement	20	LF	\$ 3.00	\$ 60.00
405ND	Irrigation Head Replacement (Builder Grade)	3	EA	\$ 60.00	\$ 180.00
406ND	Connect to Existing Structures	2	EA	\$ 1,950.00	\$ 3,900.00
407ND	Debris Removal, Tandem Dump Truck	8	Per Load	\$ 850.00	\$ 6,800.00
408ND	Removal of Existing Non Drainage Structure	1	EA	\$ 2,500.00	\$ 2,500.00
409ND	Removal of Existing Drainage Structure	4	EA	\$ 2,250.00	\$ 9,000.00
410ND	Remove Existing Pipe all Types and Sizes	136	LF	\$ 85.00	\$ 11,560.00
411ND	Saw Cut Existing Pavements	50	LF	\$ 5.00	\$ 250.00
412ND	Stone #57	72	TON	\$ 90.00	\$ 6,480.00
416ND	Relocate Existing Residential Water Meter, Including Box	1	EA	\$ 525.00	\$ 525.00
418ND	Bypass pumping setup-equipment and hose placement	1	EA	\$ 1,000.00	\$ 1,000.00
419ND	4" Pumping Operation Time	20	HR	\$ 60.00	\$ 1,200.00
434ND	Adjust Manhole Cover in soil (complete, includes removal or modification of old s	1	EA	\$ 1,750.00	\$ 1,750.00