

To: Mayor and City Council
From: Carl Thomas, Stormwater Utility Manager
Re: Funding Authorization for 5252 Trowbridge Drive Storm Repairs
Date: November 14th, 2022

Action

Authorize the Mayor, City Manager, or designee to approve \$84,248.36 in funding for Stormwater Pipe Repairs at 5252 Trowbridge Drive.

Summary/Details

Structural deficiencies to the storm system on Trowbridge Drive were identified responding to a sinkhole reported by the property owner on 2/22/2021. The pipe system is composed of +/- 122 linear feet of 18 and 36-inch corrugated metal pipe that is approximately 47 years old and in poor condition. Closed-Caption Television (CCTV) footage discovered corrosion, visible holes, joint separations, and deformities in the pipe. Recommended repairs include:

- Repair 122 LF of Corrugated Metal Pipe (CMP) with Cured In Place Pipe (CIPP) liner.
- +/- 100 LF linear feet of invert repairs with flowable fill
- Replace 20 LF of deformed CMP
- 36-inch brick headwall

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 \$84,248.36 in funding for Stormwater Pipe Repairs at 5252 Trowbridge Drive.



Damaged Outlet Headwall



Severe Corrosion with Large Voids



Joint Separation

Estimate #	The Dickerson Group, Inc. 871 Old Peachtree Road NW Lawrenceville, GA 30043 Phone - 770.513.4558 Fax - 770.513.4740			Dunwoody Annual Contractor		
DATE: 9/2/22						
DGI #:						
				PO#		
				Project : 5252 Trowbridge		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	CONTRACT TOTAL	THIS ESTIMATE QUANTITY	THIS ESTIMATE AMOUNT	TOTAL TO DATE QUANTITY	TOTAL TO DATE AMOUNT
	Mobilization	2	EA	2,450.00	\$4,900.00		\$0.00	0.00	\$0.00
	Out of Scope Work, Foreman	3	HR	90.00	\$270.00		\$0.00	0.00	\$0.00
	Out of Scope Work, Laborer	3	HR	85.00	\$255.00		\$0.00	0.00	\$0.00
	Traffic Control								
	Traffic Control Minor 2 -- Includes Cones and Signage	4	Per Day	2,000.00	\$8,000.00		\$0.00	0.00	\$0.00
	TV Inspection and Jet-Vac Cleaning						\$0.00	0.00	\$0.00
	TV Storm Lines (includes DVD & Report)	122	LF	4.15	\$506.30		\$0.00	0.00	\$0.00
	Visual Inspection (Pictures), per Project (During Construction)	1	EA	250.00	\$250.00		\$0.00	0.00	\$0.00
	Storm Line Cleaning (less than 25% full)						\$0.00	0.00	\$0.00
	18" PIPE - Cleaning less than 25% full	15	LF	8.00	\$120.00		\$0.00	0.00	\$0.00
	36" PIPE - Cleaning less than 25% full	107	LF	8.00	\$856.00		\$0.00	0.00	\$0.00
	Spiral Rib Corr. Steel Pipe (14 ga. Tp. 2 Alum)								
	Includes excavation, backfill, & compaction						\$0.00	0.00	\$0.00
	36" SRCMP	20	LF	85.00	\$1,700.00		\$0.00	0.00	\$0.00
	Brick-in-Place Headwall								
	Brick Headwall for 36" Pipe	1	EA	2,300.00	\$2,300.00		\$0.00	0.00	\$0.00
	Square Brick Manholes						\$0.00	0.00	\$0.00
	5' Square Brick Manhole w/ Manhole Ring & Cover	5	VF	1,300.00	\$6,500.00		\$0.00	0.00	\$0.00
	Miscellaneous & Special Structures/Components								
	Invert Installation, 4' Diameter	2	EA	500.00	\$1,000.00		\$0.00	0.00	\$0.00
	Invert Installation, 5' Diameter	1	EA	500.00	\$500.00		\$0.00	0.00	\$0.00
	Uncover Buried Junction Box (4'-7.9')	1	EA	1,800.00	\$1,800.00		\$0.00	0.00	\$0.00
	Flowable Fill Abandonment (Pumping included if needed)	4	CY	1,625.00	\$6,500.00		\$0.00	0.00	\$0.00
	Grout Connection To Structure								
	18" Grout Each End to Structure	2	EA	250.00	\$500.00		\$0.00	0.00	\$0.00
	36" Grout Each End to Structure	1	EA	300.00	\$300.00		\$0.00	0.00	\$0.00
	Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less)	3	EA	1,000.00	\$3,000.00		\$0.00	0.00	\$0.00
	LINING REQUIREMENTS								
	Cured In Place Pipe Liner (CIPP) - (12' or less in depth)								
	Includes Pre and Post Television Inspections during lining								
	18" PIPE - 9.0mm (.354")	15	LF	151.84	\$2,277.60		\$0.00	0.00	\$0.00
	24" PIPE - 11.0mm (.433")	107	LF	202.86	\$21,706.02		\$0.00	0.00	\$0.00
	Inversion Setup						\$0.00	0.00	\$0.00
	Inversion Setup Charge 15"-36" CIPP	1	EACH	3,923.50	\$3,923.50		\$0.00	0.00	\$0.00
	Cast in Place Concrete								
	Curb and Gutter 6"x24"x10" Roll Back	20	LF	40.00	\$800.00		\$0.00	0.00	\$0.00
	Earthwork & Grading								
	Tree Removal 6"-12"	1	EA	1,400.00	\$1,400.00		\$0.00	0.00	\$0.00
	Clear & Grubbing	50	SY	10.00	\$500.00		\$0.00	0.00	\$0.00
	Haul-Off Soil Material	15	CY	75.00	\$1,125.00		\$0.00	0.00	\$0.00
	Erosion Control								
	Install & Remove Type C Silt Fence	30	LF	4.50	\$135.00		\$0.00	0.00	\$0.00
	Install & Remove Orange Tree Save Fence	50	LF	7.00	\$350.00		\$0.00	0.00	\$0.00
	Seed & Straw (Permanent Grassing)	50	SY	3.50	\$175.00		\$0.00	0.00	\$0.00
	Pine Straw	20	EA	15.00	\$300.00		\$0.00	0.00	\$0.00
	Miscellaneous Items								
	Removal of Existing Drainage Structure	1	EA	\$ 1,500.00	\$1,500.00		\$0.00	0.00	\$0.00
	Remove Existing Pipe all Types and Sizes	20	LF	\$ 32.00	\$640.00		\$0.00	0.00	\$0.00
	Stone #57	20	TON	\$ 85.00	\$1,700.00		\$0.00	0.00	\$0.00
	Adjust Manhole Cover in soil (complete, includes removal or modification of old structure top)	1	EA	\$ 800.00	\$800.00		\$0.00	0.00	\$0.00
	Contingency 10%	1	EA	\$7,658.94	\$7,658.94				
					\$84,248.36		\$0.00		\$0.00
							\$0.00		\$0.00

FOR CONTRACTOR: The Dickerson Group, Inc., 871 Old Peachtree Road NW, Lawrenceville, GA 30043
 THE UNDERSIGNED CONTRACTOR HEREBY CERTIFIES THAT ALL WORK PERFORMED AND MATERIALS SUPPLIED
 FOR THIS CONTRACT WHICH ARE REPRESENTED BY PAYMENTS MADE ON THIS ESTIMATE ARE IN ACCORDANCE
 WITH THE CONTRACT PLANS AND SPECIFICATIONS.

BY: Jason Freeland

TITLE: Project Manager

DATE: _____
 PROJECT INSPECTOR
 DATE: _____
 PROJECT MANAGER
 DATE: _____
 DIRECTOR