

To: Mayor and City Council

From: Carl Thomas, Stormwater Utility Manager

Re: Funding Authorization for 2419 Redcliff Way Storm Repairs

January 23rd, 2023 Date:

Action

Authorize the Mayor, City Manager, or designee to approve \$116,746.30 in funding for Stormwater Pipe Repairs at 2419 Redcliff Way.

Summary/Details

Structural deficiencies to the storm system on 2419 Redcliff Way were identified performing routine site inspections to the storm infrastructure. The pipe system is composed of +/- 160 linear feet of 48 and 18-inch corrugated metal pipe (CMP) that is approximately 49 years old and in poor condition. Closed-Caption Television (CCTV) footage discovered severe invert corrosion, joint separation, and root penetration in the pipe system. Recommended repairs include:

- Repair +/- 160 LF of 48 and 18-inch CMP with Centrifugal Spincast Lining and Cured in Place Pipe
- Repair (2) four-foot manhole invert
- Three cubic yards pressure grouting for invert repairs

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

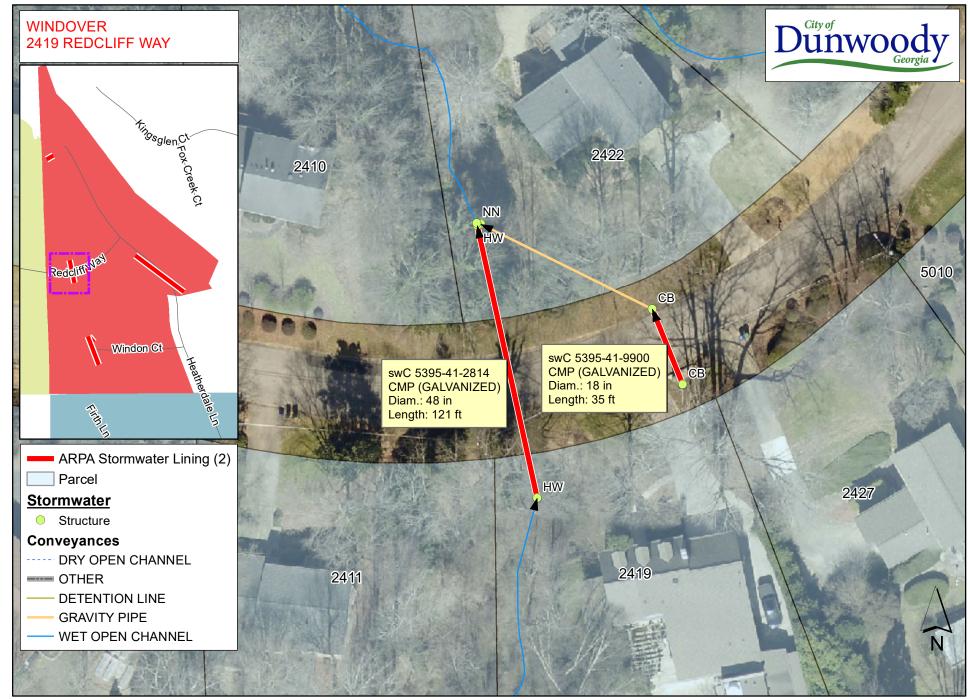
Recommendation

Staff recommends approving \$116,746.30 in funding for Stormwater Pipe Repairs at 2419 Redcliff Way.





Severe Corrosion, Joint Separation, and Root Infiltration



ARPA - Stormwater Lining Projects by Subdivision

Phase 1

Date: 10/21/2022 Packet page:...

	SOUTHERN PREMIER CONTRACTO	DRS, INC.	2022					
	PROJECT LOCATION: 2419 Redcliff Way							
	PREPARED BY:	M. Massey 11.30.22						
	DATE INVOICE PREPARED:							
	TOTAL INVOICE	\$					106,133.00	
10%								
							·	
		\$					116,746.30	
	Scope of Work:			•				
	Prep pipes for lining							
	Line cross drains							
	Grout pipes, structures, install inverts							
	Londonna distrubad anno							
	Landscape disturbed areas							
	Landscape disturbed areas							
Item#	Item	Quantity	Unit	Un	it Price		Total Cost	
Item#		Quantity 1	Unit EA	Un \$	it Price 2,000.00	\$	Total Cost 2,000.00	
	Item			_		\$		
1ND	Item Mobilization	1	EA	\$	2,000.00		2,000.00	
1ND 5ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage	1 8	EA Per Day	\$	2,000.00 1,800.00	\$	2,000.00 14,400.00	
1ND 5ND 136ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter	1 8 6	EA Per Day LF	\$ \$ \$	2,000.00 1,800.00 400.00	\$	2,000.00 14,400.00 2,400.00	
1ND 5ND 136ND 207ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover	1 8 6	EA Per Day LF CY	\$ \$ \$	2,000.00 1,800.00 400.00 2,500.00	\$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00	
1ND 5ND 136ND 207ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter	1 8 6 1 2	EA Per Day LF CY EA	\$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00	\$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00	
1ND 5ND 136ND 207ND 209ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed)	1 8 6 1 2 3	EA Per Day LF CY EA CY	\$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00	\$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00	
1ND 5ND 136ND 207ND 209ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed) 18" Grout Each End to Structure	1 8 6 1 2 3 2	EA Per Day LF CY EA CY EA	\$ \$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00 195.00	\$ \$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00 390.00	
1ND 5ND 136ND 207ND 209ND 222ND 234ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed) 18" Grout Each End to Structure Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less)	1 8 6 1 2 3 2 2	EA Per Day LF CY EA CY EA CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00 195.00 800.00	\$ \$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00 390.00 1,600.00	
1ND 5ND 136ND 207ND 209ND 222ND 234ND 238ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed) 18" Grout Each End to Structure Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less) 18" PIPE - 9.0mm (.354")	1 8 6 1 2 3 2 2 2 37	EA Per Day LF CY EA CY EA LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00 195.00 800.00 150.00	\$ \$ \$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00 390.00 1,600.00 5,550.00	
1ND 5ND 136ND 207ND 209ND 222ND 234ND 238ND 270ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed) 18" Grout Each End to Structure Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less) 18" PIPE - 9.0mm (.354") Inversion Setup Charge 15"- 36" CIPP	1 8 6 1 2 3 2 2 2 37	EA Per Day LF CY EA CY EA LF EA EA	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00 195.00 800.00 150.00 2,500.00	\$ \$ \$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00 390.00 1,600.00 5,550.00	
1ND 5ND 136ND 207ND 209ND 222ND 234ND 238ND 270ND 276ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed) 18" Grout Each End to Structure Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less) 18" PIPE - 9.0mm (.354") Inversion Setup Charge 15"- 36" CIPP 48" Cent. Spin Cast Lining	1 8 6 1 2 3 3 2 2 2 37 1 116	EA Per Day LF CY EA CY EA LF EA LF EACH LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00 195.00 800.00 150.00 2,500.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00 1,600.00 5,550.00 2,500.00 63,800.00	
1ND 5ND 136ND 207ND 209ND 222ND 234ND 238ND 270ND 276ND 370ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed) 18" Grout Each End to Structure Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less) 18" PIPE - 9.0mm (.354") Inversion Setup Charge 15"- 36" CIPP 48" Cent. Spin Cast Lining Finish Grading	1 8 6 1 2 3 2 2 37 1 116	EA Per Day LF CY EA CY EA LF EACH LF SY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00 195.00 800.00 150.00 2,500.00 550.00 10.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00 1,600.00 5,550.00 2,500.00 63,800.00 570.00	
1ND 5ND 136ND 207ND 209ND 222ND 234ND 238ND 270ND 276ND 370ND 372ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed) 18" Grout Each End to Structure Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less) 18" PIPE - 9.0mm (.354") Inversion Setup Charge 15"- 36" CIPP 48" Cent. Spin Cast Lining Finish Grading Debris Removal	1 8 6 1 2 3 2 2 2 37 1 116 57	EA Per Day LF CY EA CY EA LF EACH LF SY CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00 195.00 800.00 150.00 2,500.00 10.00 75.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00 390.00 1,600.00 5,550.00 2,500.00 63,800.00 570.00	
1ND 5ND 136ND 207ND 209ND 222ND 234ND 238ND 276ND 370ND 372ND 382ND	Item Mobilization Traffic Control Minor 2 – Includes Cones and Signage 48" Diameter Cast-in-Place Top Only w/Ring & Cover Invert Installation, 4' Diameter Pressure Grouting (Pumping included if needed) 18" Grout Each End to Structure Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less) 18" PIPE - 9.0mm (.354") Inversion Setup Charge 15"- 36" CIPP 48" Cent. Spin Cast Lining Finish Grading Debris Removal Install & Remove Orange Tree Save Fence	1 8 6 1 2 3 3 2 2 2 37 1 116 57 4	EA Per Day LF CY EA CY EA LF EACH LF SY CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 1,800.00 400.00 2,500.00 450.00 1,800.00 195.00 800.00 150.00 2,500.00 10.00 75.00 10.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,000.00 14,400.00 2,400.00 2,500.00 900.00 5,400.00 1,600.00 5,550.00 2,500.00 63,800.00 570.00 300.00	