

MEMORANDUM

To: Mayor and City Council

From: David Elliott

Date: March 13, 2017

Subject: **Approval of Funding for Stormwater Pipe Repairs at 2357 North Peachtree Way.**

ITEM DESCRIPTION

Approval of Funding for Stormwater Pipe Repairs at 2357 North Peachtree Way. Estimate for the culvert rehabilitation is \$95,615.06, which includes a 10% contingency.

BACKGROUND

Needed repairs were located after report of sinkhole and following inspections. The 160' culvert was originally constructed of 60" corrugated metal pipe. This pipe system is approximately 45 years old and significant rusting and deterioration exist throughout. The invert has completely eroded from various portions of the culvert. Staff recommends removing the corrugated metal pipe and replacing it with a 60" reinforced concrete pipe.

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

RECOMMENDED ACTION

Staff recommends approving \$95,615.06 in funding for Stormwater Culvert Repairs at 2357 North Peachtree Way.

#11.



Missing invert in portions of 60" culvert



Downstream headwall needing replacement.

Stormwater Unit Price Contract

North Peachtree Way - 60" Pipe Replacement

Item No.	Description	Quantity	Unit	Unit Cost	Total
	mobilization	1	LS	\$1,400.00	\$1,400.00
	Traffic Control Minor (two flagmen etc.)	4	DAY	\$950.00	\$3,800.00
	Visual Inspections per project	1	EA	\$358.00	\$358.00
	60" RCP	160	LF	\$178.99	\$28,638.40
	Remove Existing Pipe	160	LF	\$44.50	\$7,120.00
	Remove Existing Headwalls	2	EA	\$746.00	\$1,492.00
	Bedding Stone	144	TN	\$35.84	\$5,160.96
	Organic Material Fiber Blanket	106	SY	\$2.95	\$312.70
	Upstream Headwall	12	CY	\$695.00	\$8,340.00
	Downstream Headwall	16.5	CY	\$695.00	\$11,467.50
	24x10 Road Trench Cap	8.8	CY	\$215.00	\$1,892.00
	Remove Curb	75	LF	\$8.50	\$637.50
	Replace Curb	75	LF	\$19.50	\$1,462.50
	Steel Plates (5)	4	DAY	\$125.00	\$500.00
	Repair Inverts, Rings, & Pipe Grout in Existing 48" Catch Basin	2	EA	\$550.00	\$1,100.00
	Type A Silt Fence	320	LF	\$1.75	\$560.00
	bypass pumping setup equip/hose	1	LS	\$1,200.00	\$1,200.00
	pumping operation time	40	HR	\$50.00	\$2,000.00
	Sodding	604	SY	\$4.05	\$2,446.20
	Out of scope Labor Rate (Laborer)	8	HR	\$40.00	\$320.00
	Debris Haul Off	20	CY	\$29.00	\$580.00
	Landscape/ Plantings	1	LS	\$2500.00	\$2500.00
	20" Tree Removal	1	EA	\$765.00	\$765.00
	Reroute 6" Waterline in conflict	1	LS	\$2870.00	\$2870.00

Contengency 10%

\$8,692.28

Grand Total

\$95,615.06