

MEMORANDUM

To: Mayor and City Council

From: David Elliott

Date: May 8, 2017

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

ITEM DESCRIPTION

Approval of Additional Funding for Stormwater Pipe Repairs at 2357 North Peachtree Way. Final project cost for the culvert rehabilitation was \$100,811.40, which exceeded the original project budget by \$5,196.34.

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 was approximately 45 years old and significant deterioration existed throughout the culvert. The 60" pipe and two headwalls were removed and replaced on the existing alignment.

The project was originally funded by council on March 13, 2017 for an amount of \$95,615.06, which included a 10% contingency.

During the course of the project, the approved budget was exceeded for the following reasons:

- 1) During the course of the project, City Staff decided to take a more conservative approach to backfilling the portions of the roadway that required excavation. The original project plan was to use onsite soils to backfill the roadway. Due to subsurface conditions, this was changed to Compacted GAB.
- 2) Two water main breaks occurred on a Dekalb County Water Main during the course of the project. The water main that broke consisted of 6" asbestos concrete, which is typically very fragile. The water main breaks occurred due to vibration from the construction equipment, changes in underground pressure resulting from the removal of the stormwater infrastructure, and general changes in exposure to the asbestos concrete. Dekalb County repaired the broken water main on both occasions. However, the potable

water released during the breaks saturated the soils and caused erosion, deteriorating the subsurface conditions. As a result of the breaks, additional earthwork was required to stabilize the shoulder of the roadway.

- 3) During the course of the project, voids and other poor subsurface conditions were encountered around 2 catch basins and the adjoining curbing. The project required the replacement of 2 additional catch basin throats, 2 additional catch basin lids, and 30 additional feet of curbing. These items were not part of the original scope.
- 4) During the course of the project, City Staff changed the scope to take a more conservative approach in roadway patching. City Staff instructed the contractor to remove and replace additional asphalt and subsurface bedding materials. The road patch width was modified from 10' to 35'.

The original project scope and the changes outlined above resulted in a project budget of \$100,811.40. This exceeds the original project budget by \$5,196.34. The purpose of this agenda item is to approve the additional \$5,196.34 required to complete the project.

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

RECOMMENDED ACTION

Staff recommends approving the additional \$5,196.34 in funding for a project budget of \$100,811.40 required for Stormwater Culvert Repairs at 2357 North Peachtree Way.



Missing invert in portions of 60" culvert

#7.



Downstream headwall needing replacement.

**INVOICE**

300 Galleria Parkway, Suite 310
 Atlanta, GA 30339
 Phone: 404.228.6949

DATE: 04/20/17
INVOICE #: 2
PROJECT: North Peachtree Way
 60" Pipe Replacement

Bill To:

City of Dunwoody
 David Elliott

	Unit	Quantity	Unit Price	Total for Item
MOBILIZATION	LS		\$ 1,400.00	0.00
TRAFFIC CONTROL MINOR (two flagmen, barricades etc.)	DAY		\$ 950.00	0.00
Visual Inspections Per Project	EA	1	\$ 350.00	350.00
60" RCP	LF		\$ 178.99	0.00
Remove Existing Pipe	LF		\$ 44.50	0.00
Remove Existing Headwalls	EA		\$ 764.00	0.00
Bedding Stone	TN		\$ 35.84	0.00
Fabric	SY		\$ 5.50	0.00
Upstream Headwall	CY		\$ 695.00	0.00
Downstream Headwall	CY		\$ 695.00	0.00
Remove Curb	LF	100	\$ 8.50	850.00
Replace Curb	LF	100	\$ 19.50	1,950.00
Steel Plates (5)	DAY		\$ 550.00	0.00
Type A Silt Fence	LF		\$ 1.75	0.00
bypass pumping setup equip/hose	LS		\$ 1,200.00	0.00
pumping operation time	HR		\$ 50.00	0.00
Sodding	SY	765	\$ 4.05	3,098.25
Out of scope labor rate (labor for rock wall)	HR	8	\$ 40.00	320.00
Debris haul off (Stumps, removed 60" CMP)	EA		\$ 500.00	0.00
Landscape/ Plantings	LS		\$ 2,500.00	0.00
GAB in roadway (top of pipe up)	TN		\$ 35.84	0.00
Haul off soil material (removed from roadway)	CY		\$ 20.72	0.00
Cast in place throat	CY	4	\$ 950.00	3,800.00
Cast in place top	CY	2	\$ 950.00	1,900.00
Rolloff load of asphalt demo from roadway	LD	1	\$ 500.00	500.00
Haul off soil (from undercutting roadway)	CY		\$ 20.72	0.00
GAB (material)	TN	28.5	\$ 35.84	1,021.44
Fine grade and compact GAB	SY	125	\$ 1.95	243.75
Asphalt	TN	25	\$ 173.60	4,340.00
Haul off soil material	EA		\$ 500.00	0.00
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				0.00
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				0.00
Approved Project Total				114,064.41
Total Billed to Date				100,811.40
Previously Billed				82,437.96
Total Due this Invoice				18,373.44

Make all checks payable to **Georgia Development Partners, LLC.**

If you have any questions concerning this invoice, contact Leslie Stark at 404-228-6949

THANK YOU FOR YOUR BUSINESS!