



4800 Ashford Dunwoody Road
Dunwoody, Georgia 30338
dunwoodyga.gov | 678.382.6700

MEMORANDUM

To: Mayor and City Council

From: Michael Smith, Public Works Director

Date: June 13, 2022

Subject: **Approval of a Construction Contract to Upgrade the Stormwater Pipe Crossing near 3900 Spalding Drive**

ACTION

Authorize the Mayor, City Manager, or designee to execute all documents necessary and proper for a construction contract with Astra Construction Services, LLC, procured through the Georgia Department of Administrative Services statewide convenience contract, to upgrade the stormwater pipe crossing near 3900 Spalding Drive.

SUMMARY

The city has evaluated the following options to upsize the existing stormwater pipe near 3900 Spalding Drive and the Dunwoody city limit (see attached map) to handle the increased flow from the intersection improvements at Chamblee Dunwoody Road.

- A. Removing the existing pipe and placing a new larger pipe below 4 City of Atlanta water mains
- B. Raising the entire road bed 3 to 4 feet to place the new pipe over the water mains
- C. Boring two new pipes side by side under the water mains along a new alignment

Boring under the roadway along a new alignment is the preferred option based on cost and ease of construction. The city has obtained a price of \$511,286 with Astra Construction Services, LLC under a statewide convenience contract with unit prices procured competitively through the Georgia Department of Administrative Services.

DETAILS

The stormwater drainage system for the intersection improvements at Chamblee Dunwoody Road and Spalding Drive was designed to flow into a pipe under Spalding Drive that was to be increased in size from 24 inches to 48 inches in diameter. During construction the contractor discovered that 4 City of Atlanta water mains at varying depths would require the new storm pipe to be 12 feet deep to clear the water lines. According to City of Atlanta engineers, the 12 to 24-inch diameter mains provide water to the 'Pill Hill' area and they could not be bypassed or temporarily taken out of service. In order to protect the mains while excavating to replace the stormwater pipe, Dunwoody worked with a City of Atlanta approved, structural engineer to develop a robust shoring and bracing system. The city advertised a bid for this work (ITB 22-03) and received a bid from Blount Construction for \$650,806.20 and from GS Construction for \$1,543,000. The cost of the shoring and bracing alone was \$250,000 in Blount's bid and both bids appear to reflect the current scarcity in the construction industry as well as the risk associated with excavating around the large water mains.



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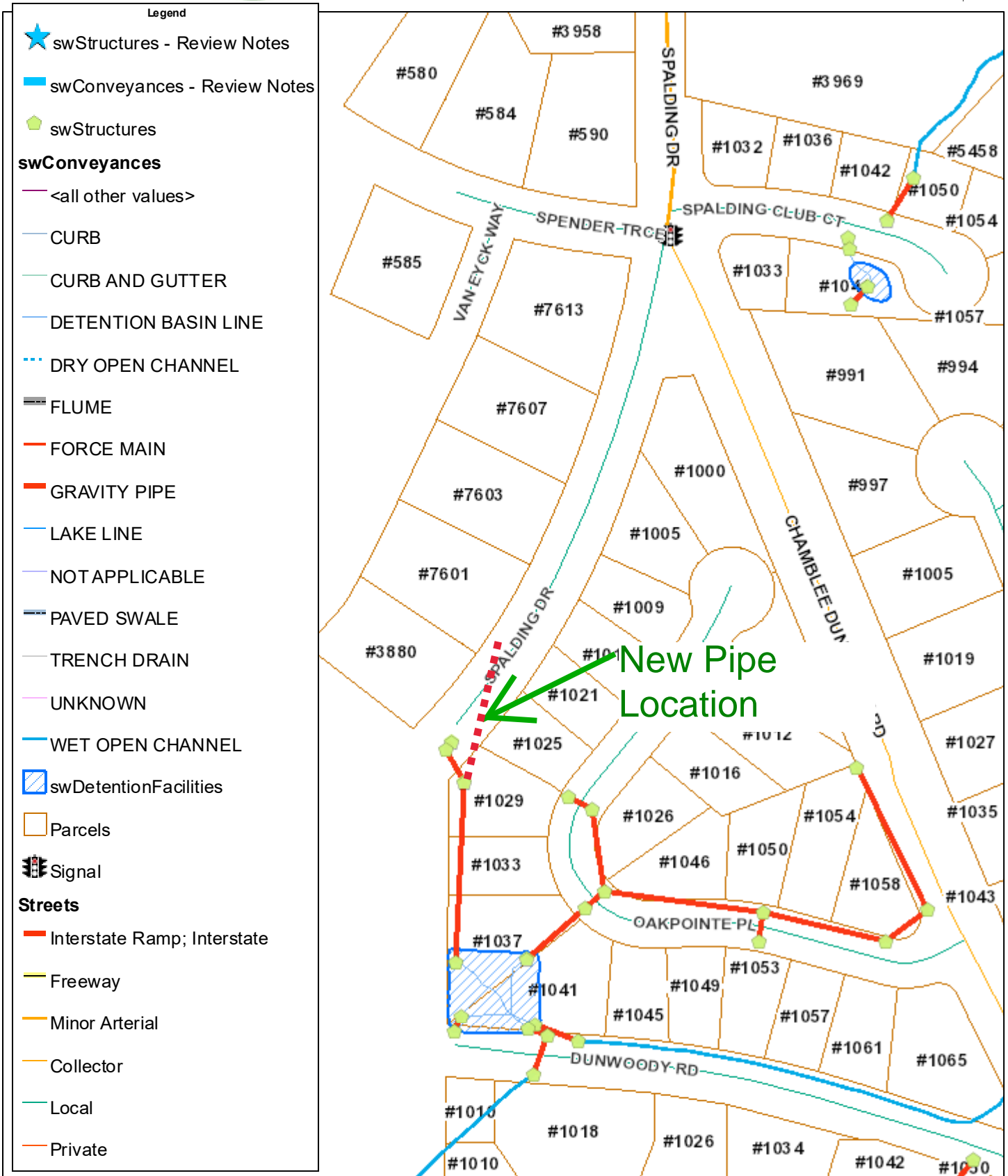
To arrive at a "Best and Final" cost proposal, the city approached the two responsive bidders to solicit value-engineering alternatives. GS withdrew from consideration and Blount furnished a cost proposal of \$584,000 based on an alternative design, which employs directional boring (in lieu of the proposed open cut / structural support). The city also obtained an engineer's estimate of \$562,000 to raise the road and place the new stormwater pipe above the water lines. As a final value-engineering check, the city obtained a cost proposal of \$511,286 from Astra Construction Services through the Georgia Department of Administrative Services statewide convenience contract. Pavement resurfacing has been excluded from the costs because the city can obtain more competitive prices by working directly with a local paving contractor.

The funds for the pipe replacement and associated work can be taken from the stormwater utility surplus fund balance which is approximately \$1.9 million.

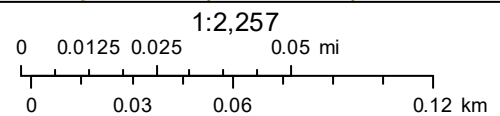
The contractor for the intersection improvement project is preparing to complete their contract within the next few weeks and will then demobilize. Astra's directional boring subcontractor is expected to be available in August to begin the stormwater pipe upgrades and the work is expected to take about 1 month.

RECOMMENDATION

Authorize the Mayor, City Manager, or designee to execute all documents necessary and proper for a construction contract with Astra Construction Services, LLC, procured through the Georgia Department of Administrative Services statewide convenience contract, to upgrade the stormwater pipe crossing near 3900 Spalding Drive.



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.





Work Order Signature Document

EZIQC Contract No.: GA-ST09-040820-ACS

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New Work Order



Modify an Existing Work Order

Work Order Number: 105524.00

Work Order Date: 06/06/2022

Work Order Title: City of Dunwoody - Storm Crossing on Spalding Drive

Owner Name: City of Dunwoody

Contractor Name: Astra Construction Services, LLC

Contact: Todd Meadows

Contact: Select a Contractor Project Manager in

Phone: 678-469-5614

Phone: No Phone

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of EZIQC Contract No GA-ST09-040820-ACS.

Brief Work Order Description:

Storm system tie-in on Spalding Drive

Time of Performance

See Schedule Section of the Detailed Scope of Work

Liquidated Damages

Will apply:



Will not apply:



Work Order Firm Fixed Price: \$570,994.41

Owner Purchase Order Number:

Approvals

Owner

Date

Contractor

Date

Contractor's Price Proposal - Summary

Date: June 06, 2022
IQC Master Contract #: GA-ST09-040820-ACS
Work Order Number: 105524.00
Owner PO #:
Work Order Title: City of Dunwoody - Storm Crossing on Spalding Drive
Contractor: Astra Construction Services, LLC
Proposal Name: City of Dunwoody - Storm Crossing on Spalding Drive
Proposal Value: \$570,994.41

A-3 added	\$2,789.42
A-3 added	\$1,932.00
Added mulch in lieu of grass	\$8,138.67
Added survey	\$6,633.26
Added to Manhole	\$2,060.16
Dewater	\$17,103.92
No Category Input	\$472,629.02
Pavement	\$59,707.95
Proposal Total	\$570,994.41
	\$511,286.46

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: %

Contractor's Price Proposal - Detail

Date: June 06, 2022
IQC Master Contract #: GA-ST09-040820-ACS
Work Order Number: 105524.00
Owner PO #:
Work Order Title: City of Dunwoody - Storm Crossing on Spalding Drive
Contractor: Astra Construction Services, LLC
Proposal Name: City of Dunwoody - Storm Crossing on Spalding Drive
Proposal Value: \$570,994.41

Sect.	Item	Modifier	UOM	Description	Line Total					
Labor	Equip.	Material	(Excluded if marked with an X)							
A-3 added										
1	01 22 23 00	0952	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	\$2,789.42					
				Quantity	Unit Price	Factor	=	Total		
				2.00	x	1,228.71	x	1.1351	=	2,789.42
				Remove A-3 and load to disposal						
Subtotal for A-3 added					\$2,789.42					
A-3 added										
2	33 42 31 00	0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	\$1,932.00					
				Quantity	Unit Price	Factor	=	Total		
				0.00	x	903.38	x	1.1351	=	0.00
				15.00	x	113.47	x	1.1351	=	1,932.00
				A-3						
Subtotal for A-3 added					\$1,932.00					
Added mulch in lieu of grass										
3	32 91 13 16	0008	CY	Hardwood Chip Mulch	\$9,698.01					
				Quantity	Unit Price	Factor	=	Total		
				125.00	x	68.35	x	1.1351	=	9,698.01
				10100 sf x .333' / 27= 125 cy						
4	32 91 13 16	0008 0323	MOD	For >50, Deduct	-\$1,559.34					
				Quantity	Unit Price	Factor	=	Total		
				125.00	x	-10.99	x	1.1351	=	-1,559.34
Subtotal for Added mulch in lieu of grass					\$8,138.67					
Added survey										
5	01 22 20 00	0045	HR	Senior Surveyor (Party Chief)	\$387.57					
				Quantity	Unit Price	Factor	=	Total		
				8.00	x	42.68	x	1.1351	=	387.57
				Establish and stake locations of work - 8 hrs prior to constructoion Add final invert elevations and elevations of finished work - 8 hrs= total 16 hrs						
6	01 22 20 00	0046	HR	Surveyor (Instrument person)	\$322.73					
				Quantity	Unit Price	Factor	=	Total		
				8.00	x	35.54	x	1.1351	=	322.73
				Establish and stake locations of work						

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Name: City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Value: \$570,994.41

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
Added survey					
7	01 22 20 00 0047		HR	Surveyor (Rod Person)	\$228.84
				Quantity	Unit Price
				Installation 8.00 x	25.20 x
					Factor 1.1351 =
					Total 228.84
				Establish and stake locations of work	
8	01 22 20 00 0057		HR	Engineer	\$3,515.09
				Quantity	Unit Price
				Installation 24.00 x	129.03 x
					Factor 1.1351 =
					Total 3,515.09
				Official stamped elevations and GPS location of completed work to include site visit if required	
9	01 71 36 00 0008		EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or AsphaltIncludes GPS coordinates of located items and reference items.	\$2,179.03
				Quantity	Unit Price
				Installation 4.00 x	479.92 x
					Factor 1.1351 =
					Total 2,179.03
				Locate work item locations	

Subtotal for Added survey**\$6,633.26****Added to Manhole**

10	33 05 84 00 0009		EA	8' Diameter x 10" Thick Precast Manhole Top Slab	\$1,793.72
				Quantity	Unit Price
				Installation 1.00 x	1,580.23 x
					Factor 1.1351 =
					Total 1,793.72
				added to manhole	
11	33 05 84 00 0046		EA	Single Channel Concrete Invert For Manholes	\$266.44
				Quantity	Unit Price
				Installation 1.00 x	234.73 x
					Factor 1.1351 =
					Total 266.44
				added to manhole	

Subtotal for Added to Manhole**\$2,060.16****Dewater**

12	31 23 16 36 0006		CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	\$511.93
				Quantity	Unit Price
				Installation 100.00 x	4.51 x
					Factor 1.1351 =
					Total 511.93
				450 sf x 6' 27 = 100 cydeep sump collection basin added	
13	31 23 16 36 0006 0016		MOD	For >50 To 250, Add	\$204.32
				Quantity	Unit Price
				Installation 100.00 x	1.80 x
					Factor 1.1351 =
					Total 204.32
14	31 23 16 36 0018		CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	\$550.65
				Quantity	Unit Price
				Installation 139.00 x	3.49 x
					Factor 1.1351 =
					Total 550.65
				100cy x 1.39 = 139 LCY at sump pit	

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

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Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
Dewater					
15	31 23 16 36 0018	0020	MOD	For >50 To 250, Add	\$220.89
			Installation	Quantity 139.00 x Unit Price 1.40 x Factor 1.1351 = Total 220.89	
16	31 23 16 36 0021		CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	\$513.07
			Installation	Quantity 100.00 x Unit Price 4.52 x Factor 1.1351 = Total 513.07	
			Sump pit		
17	31 23 16 36 0021	0024	MOD	For >50 To 250, Add	\$205.45
			Installation	Quantity 100.00 x Unit Price 1.81 x Factor 1.1351 = Total 205.45	
18	31 23 16 36 0026		SY	Finish Grading For Building Foundations And Other Structures by Hand	\$251.42
			Installation	Quantity 50.00 x Unit Price 4.43 x Factor 1.1351 = Total 251.42	
			Sump pit 450/9 = 50 sy		
19	33 01 30 89 0002		EA	Set-up By-Pass Pumping Unit	\$2,169.81
			Installation	Quantity 2.00 x Unit Price 955.78 x Factor 1.1351 = Total 2,169.81	
			Excavation pumping system in the event of stormwater infiltration during construction.		
20	33 01 30 89 0003		EA	Re-Set Up/Move By-Pass Pumping Unit	\$1,084.91
			Installation	Quantity 2.00 x Unit Price 477.89 x Factor 1.1351 = Total 1,084.91	
			Excavation pumping system in the event of stormwater infiltration during construction.		
21	33 01 30 89 0007		MO	Maintain And Operate By-Pass Pumping Unit	\$11,391.48
			Installation	Quantity 2.00 x Unit Price 5,017.83 x Factor 1.1351 = Total 11,391.48	
			Excavation pumping system in the event of stormwater infiltration during construction.		
Subtotal for Dewater					\$17,103.92
No Category Input					
22	01 22 16 00 0002		EA	Reimbursable FeesReimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	\$3,278.56
			Installation	Quantity 2,980.51 x Unit Price 1.00 x Factor 1.1000 = Total 3,278.56	
			Bond \$567,715.85 x .00525 = \$2,980.51		

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Labor	Equip.	Material	(Excluded if marked with an X)								
No Category Input											
23	01	22	20	00	0015	HR	LaborerFor tasks not included in the Construction Task Catalog® and as directed by owner only.				\$568.28
						Installation	Quantity	Unit Price	Factor	Total	
							16.00	31.29	1.1351	568.28	
							x	x	=		
						Spotter to keep trees from power lines during cutting operations					
24	01	22	23	00	0294	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator				\$8,561.26
						Installation	Quantity	Unit Price	Factor	Total	
							2.00	3,771.15	1.1351	8,561.26	
							x	x	=		
25	01	22	23	00	0300	WK	Forklift Attachment For Skid-Steer Loaders				\$287.52
						Installation	Quantity	Unit Price	Factor	Total	
							2.00	126.65	1.1351	287.52	
							x	x	=		
26	01	22	23	00	0455	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator				\$28,784.05
						Installation	Quantity	Unit Price	Factor	Total	
							3.00	8,452.72	1.1351	28,784.05	
							x	x	=		
						pipe handling- off load, relocate and aid installation					
27	01	22	23	00	0955	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator				\$3,093.22
						Installation	Quantity	Unit Price	Factor	Total	
							2.00	1,362.53	1.1351	3,093.22	
							x	x	=		
						used to remove trees below power lines- unable to cut and drop.					
28	01	22	23	00	1389	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver				\$3,978.50
						Installation	Quantity	Unit Price	Factor	Total	
							2.00	1,752.49	1.1351	3,978.50	
							x	x	=		
						Haul tree and stump spoil to the dump					
29	01	55	26	00	0054	MO	Up To 10' Wide A Frame Barricade				\$305.11
						Installation	Quantity	Unit Price	Factor	Total	
							10.00	26.88	1.1351	305.11	
							x	x	=		
						traffic control					
30	01	55	26	00	0087	MO	Mesh Or Vinyl Roll-up Sign With Stand				\$216.58
						Installation	Quantity	Unit Price	Factor	Total	
							4.00	47.70	1.1351	216.58	
							x	x	=		
						4 signs 1 mo.					
31	01	55	26	00	0099	MO	Trailer Mounted Portable Variable Message Sign (PVMS)				\$4,031.88
						Installation	Quantity	Unit Price	Factor	Total	
							2.00	1,776.00	1.1351	4,031.88	
							x	x	=		
						traffic control 2 EA					
32	01	55	26	00	0108	EA	Placement And Removal Of Up To 250 Barricades Using Truck				\$242.34
						Installation	Quantity	Unit Price	Factor	Total	
							50.00	4.27	1.1351	242.34	
							x	x	=		
						relocate 10 5 times					

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Labor	Equip.	Material	(Excluded if marked with an X)		
No Category Input					
33	01 55 26 00 0113		EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	\$72.78
			Installation	Quantity 2.00 x Unit Price 32.06 x Factor 1.1351 = Total 72.78	
				Traffic control	
34	01 71 13 00 0002		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed TruckIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	\$214.32
			Installation	Quantity 1.00 x Unit Price 188.81 x Factor 1.1351 = Total 214.32	
				skid loader	
35	01 71 13 00 0003		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	\$914.41
			Installation	Quantity 1.00 x Unit Price 805.58 x Factor 1.1351 = Total 914.41	
				HD Const. Loader	
36	01 74 19 00 0016		EA	40 CY Dumpster (5 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$666.85
			Installation	Quantity 1.00 x Unit Price 587.48 x Factor 1.1351 = Total 666.85	
				40 lf x 5'wide x 10' deep =2000 cf/27 =74 x 1.39=103 LCY -pipe =55 x 1.39=76 = 48 LCY x 2536/2000 = 68 tons at 48" pipe Add added demolition weight = 6 tons add 120' x (2.5/2 squared =) 1.56 sf = 187 cf x 2 pipes = 375 / 27 = 14 cy x 1.39 = 19 lcy = x 2536/2000 = 24 ton pipe drill waste= 98 tons ADD sidewalk 2160 sf x .333/ 27 = 26.66 cy x 4200#/cy/2000 = 56 tons = add curb240' x 1.25 cf/lf/ 27 x 4200/2000 = 23.33 tons = total 173.33tons	
37	01 74 19 00 0016 0003		MOD	For Each Ton Over Indicated Amount, Add	\$16,241.07
			Installation	Quantity 168.33 x Unit Price 85.00 x Factor 1.1351 = Total 16,241.07	
				173.33-5	
38	01 74 19 00 0033		CY	Trees, Stumps And Brush, Landfill Dump Fee	\$211.70
			Installation	Quantity 25.00 x Unit Price 7.46 x Factor 1.1351 = Total 211.70	
				trees and stumps	
39	01 74 19 00 0037		CYM	Hauling On Paved Roads, First 15 Miles	\$314.99
			Installation	Quantity 375.00 x Unit Price 0.74 x Factor 1.1351 = Total 314.99	
				25 x 15 = 375 CYM	

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Labor	Equip.	Material	(Excluded if marked with an X)		
No Category Input					
40	02 32 19 00 0009		CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck)Adverse soil conditions consist of clay, glacial till and rocks.	\$5,101.14
				Installation	
				Quantity 100.00 x Unit Price 44.94 x Factor 1.1351 = Total 5,101.14	
				Vac Truck for existing utility location acquisition	
41	02 41 13 13 0028		SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	\$5,197.85
				Installation	
				Quantity 240.00 x Unit Price 19.08 x Factor 1.1351 = Total 5,197.85	
				240 sidewalk	
42	02 41 19 13 0015		EA	Saw Cut Minimum ChargeFor projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	\$669.21
				Installation	
				Quantity 1.00 x Unit Price 589.56 x Factor 1.1351 = Total 669.21	
				at modified existing concrete structures to be modified	
43	02 41 19 13 0017		LF	Up To 1/2", Torch Cut Steel Plate	\$300.21
				Installation	
				Quantity 174.00 x Unit Price 1.52 x Factor 1.1351 = Total 300.21	
				cut pipe in 10" sections due to space limitations = 3.15x 2.5 x 4 cuts = 32lf Add 3 cuts per 40' stick of pipe x 6 sticks = 18 x 7.9 = 142= total 174	
44	03 37 16 00 0003		HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	\$880.47
				Installation	
				Quantity 8.00 x Unit Price 96.96 x Factor 1.1351 = Total 880.47	
				grout placement	
45	03 37 16 00 0005		HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	\$2,396.24
				Installation	
				Quantity 16.00 x Unit Price 131.94 x Factor 1.1351 = Total 2,396.24	
				headwall structures 2 trips	
46	03 61 16 00 0002		CY	Cementitious Flowable Grout	\$1,350.27
				Installation	
				Quantity 4.00 x Unit Price 297.39 x Factor 1.1351 = Total 1,350.27	
				grout lines to be abandoned	
47	05 05 21 00 0011		LF	1/4" Vertical Fillet Weld	\$11,317.17
				Installation	
				Quantity 870.00 x Unit Price 11.46 x Factor 1.1351 = Total 11,317.17	
				added welds at 40' to 10, length = cut pipe in 4 places to accommodate pipe change in direction = 3.15x 2.5 x 4 cuts = 32lf Add 3 cuts per 40' stick of pipe x 6 sticks = 18 x 7.9 = 142= total 174 x 5 passes per joint = 870 LF	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 105524.00

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Labor	Equip.	Material	(Excluded if marked with an X)		
No Category Input					
48	05 12 23 00 0132		SI	Metal Grinding Up To 1/32" Thickness To Be RemovedIncludes rust or scale removal on metal and smoothing surface.	\$2,512.29
				QuantityUnit PriceFactorTotal	
			Installation	4,176.00x0.53x1.1351=2,512.29	
				to bevel each cut made at 40' to 10, length = cut pipe in 4 places to accommodate pipe change in direction = 3.15x 2.5 x 4 cuts = 32lf Add 3 cuts per 40' stick of pipe x 6 sticks = 18 x 7.9 = 142= total 174 x 2 sides = 348' x 12" -= 4176 SI	
49	31 05 16 00 0008		CY	#57 Stone Aggregate Fill (3/8" To 1")	\$358.11
				QuantityUnit PriceFactorTotal	
			Installation	7.00x45.07x1.1351=358.11	
				at perforated pipe repair 50' x 18" x 24" = 150 cf/27 x 1.31 = 7 cy	
50	31 05 16 00 0008 0053		MOD	For Up To 8, Add	\$71.59
				QuantityUnit PriceFactorTotal	
			Installation	7.00x9.01x1.1351=71.59	
51	31 05 16 00 0019		CY	Over 6" To 12" Graded Stone Aggregate Fill	\$910.58
				QuantityUnit PriceFactorTotal	
			Installation	20.00x40.11x1.1351=910.58	
				Around new structures to pile	
52	31 13 13 00 0006		EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree RemovalIncludes cutting up tree, chipping and loading.	\$7,212.37
				QuantityUnit PriceFactorTotal	
			Installation	5.00x1,270.79x1.1351=7,212.37	
				Tree removal	
53	31 13 13 00 0013		EA	>36" To 48" Diameter Stump RemovalIncludes excavation necessary to remove stump and loading.	\$1,859.92
				QuantityUnit PriceFactorTotal	
			Installation	5.00x327.71x1.1351=1,859.92	
				Tree removal	
54	31 23 16 13 0003		CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	\$390.59
				QuantityUnit PriceFactorTotal	
			Installation	74.00x4.65x1.1351=390.59	
				40 lf x 5'wide x 10' deep =2000 cf/27 =74 at 48" pipe	
55	31 23 16 13 0003 0062		MOD	For >50 To 250, Add	\$97.44
				QuantityUnit PriceFactorTotal	
			Installation	74.00x1.16x1.1351=97.44	
56	31 23 16 13 0007		CY	Excavation For Trenching By Hand In SoilIncludes stockpiling excess materials and trimming sides and bottom of trench.	\$814.55
				QuantityUnit PriceFactorTotal	
			Installation	15.00x47.84x1.1351=814.55	
				at perforated pipe repair	

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Name: City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Value: \$570,994.41

Sect.				Item		Modifier		UOM		Description		Line Total
Labor	Equip.	Material	(Excluded if marked with an X)									
No Category Input												
57	31	23	16	13	0007		CY	Excavation For Trenching By Hand In SoilIncludes stockpiling excess materials and trimming sides and bottom of trench.				\$217.21
Installation												
Quantity 4.00 x Unit Price 47.84 x Factor 1.1351 = Total 217.21												
ancillary to machine operations												
58	31	23	16	13	0010		CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine				\$186.34
Installation												
Quantity 76.00 x Unit Price 2.16 x Factor 1.1351 = Total 186.34												
40 lf x 5'wide x 10' deep =2000 cf/27 =74 -pipe =55 x 1.39=76 at 48" pipe												
59	31	23	16	13	0010	0067	MOD	For >50 To 250, Add				\$46.58
Installation												
Quantity 76.00 x Unit Price 0.54 x Factor 1.1351 = Total 46.58												
60	31	23	16	13	0011		CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand				\$196.11
Installation												
Quantity 13.00 x Unit Price 13.29 x Factor 1.1351 = Total 196.11												
1000 x.5x.5/27 at silt fence=9 cy x 1.39 = 13 lcy												
61	31	23	16	13	0011		CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand				\$105.60
Installation												
Quantity 7.00 x Unit Price 13.29 x Factor 1.1351 = Total 105.60												
at perforated pipe repair												
62	31	23	16	13	0011		CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand				\$30.17
Installation												
Quantity 2.00 x Unit Price 13.29 x Factor 1.1351 = Total 30.17												
ancillary to machine operations												
63	31	23	16	13	0013		CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate , Air Tamper, Etcetera				\$177.93
Installation												
Quantity 55.00 x Unit Price 2.85 x Factor 1.1351 = Total 177.93												
40 lf x 5'wide x 10' deep =2000 cf/27 =74 -pipe 19=55 at 48" pipe												
64	31	23	16	13	0013	0072	MOD	For >50 To 250, Add				\$44.33
Installation												
Quantity 55.00 x Unit Price 0.71 x Factor 1.1351 = Total 44.33												
65	31	23	16	13	0016		CY	Load Excess Material by Machine for Removal from Excavation for Trenching				\$204.32
Installation												
Quantity 48.00 x Unit Price 3.75 x Factor 1.1351 = Total 204.32												
40 lf x 5'wide x 10' deep =2000 cf/27 =74 x 1.39=103 LCY -pipe =55 x 1.39=76 = 48 LCY at 48" pipe												
66	31	23	16	13	0016	0076	MOD	For >20 To 50, Add				\$102.43
Installation												
Quantity 48.00 x Unit Price 1.88 x Factor 1.1351 = Total 102.43												

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Name: City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Value: \$570,994.41

Sect.		Item		Modifier		UOM		Description		Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)								
No Category Input											
67	31	23	16	13	0017		CY	Load Excess Material by Hand for Removal from Excavation for Trenching			\$159.28
							Installation	Quantity	Unit Price	Factor	Total
								4.00	35.08	1.1351	159.28
								x	x	=	
							at perforated pipe repair				
68	31	23	16	13	0019		CY	Spread Excess Or Imported Material On Site With Machine			\$41.32
							Installation	Quantity	Unit Price	Factor	Total
								20.00	1.82	1.1351	41.32
								x	x	=	
							rip rap around new/removed structures= material to pile				
69	31	23	16	13	0019	0075	MOD	For Up To 20, Add			\$33.14
							Installation	Quantity	Unit Price	Factor	Total
								20.00	1.46	1.1351	33.14
								x	x	=	
70	31	23	16	36	0006		CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil			\$2,846.33
							Installation	Quantity	Unit Price	Factor	Total
								556.00	4.51	1.1351	2,846.33
								x	x	=	
							15x20= 300 +15x30 = 450 = 750 sf x 20' deep= 15000cf/27= 556 cy				
71	31	23	16	36	0009		CY	Excavation For Building Foundations And Other Structures By Hand in Soil			\$705.94
							Installation	Quantity	Unit Price	Factor	Total
								13.00	47.84	1.1351	705.94
								x	x	=	
							environmental 1000 x.5x.5/27 at silt fence=9 cy add 4 cy on rip rap areas = total 13				
72	31	23	16	36	0009		CY	Excavation For Building Foundations And Other Structures By Hand in Soil			\$380.12
							Installation	Quantity	Unit Price	Factor	Total
								7.00	47.84	1.1351	380.12
								x	x	=	
							Excavate fill for stump holes				
73	31	23	16	36	0009		CY	Excavation For Building Foundations And Other Structures By Hand in Soil			\$651.64
							Installation	Quantity	Unit Price	Factor	Total
								12.00	47.84	1.1351	651.64
								x	x	=	
							Ancillary to machine operations at pits				
74	31	23	16	36	0012		CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'			\$24.79
							Installation	Quantity	Unit Price	Factor	Total
								7.00	3.12	1.1351	24.79
								x	x	=	
							Relocate soil for tree trump backfill				
75	31	23	16	36	0012	0018	MOD	For Up To 20, Add			\$24.79
							Installation	Quantity	Unit Price	Factor	Total
								7.00	3.12	1.1351	24.79
								x	x	=	
76	31	23	16	36	0018		CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader			\$3,058.28
							Installation	Quantity	Unit Price	Factor	Total
								772.00	3.49	1.1351	3,058.28
								x	x	=	
							15x20= 300 +15x30 = 450 = 750 sf x 20' deep= 15000cf/27= 556 cy x 1.39 = 772LCY backfill pits				

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Name: City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Value: \$570,994.41

Sect.				Item		Modifier		UOM		Description		Line Total	
Labor	Equip.		Material		(Excluded if marked with an X)								
No Category Input													
77	31	23	16	36	0019		CY	Backfilling Around Building Foundations And Other Structures By Hand					\$251.59
						Installation	Quantity		Unit Price		Factor	=	Total
							9.73	x	22.78	x	1.1351		251.59
						for tree trump backfill 7x 1.39 = 9.73							
78	31	23	16	36	0021		CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera					\$2,852.64
						Installation	Quantity		Unit Price		Factor	=	Total
							556.00	x	4.52	x	1.1351		2,852.64
						15x20= 300 +15x30 = 450 = 750 sf x 20' deep= 15000cf/27= 556 cy							
79	31	23	16	36	0022		CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand					\$119.11
						Installation	Quantity		Unit Price		Factor	=	Total
							7.00	x	14.99	x	1.1351		119.11
						for tree trump backfill							
80	31	23	16	36	0024		SY	Rough Grading For Building Foundations And Other Structures by Machine					\$63.12
						Installation	Quantity		Unit Price		Factor	=	Total
							83.00	x	0.67	x	1.1351		63.12
						750 sf/9 = 83 sy at pits							
81	31	23	16	36	0026		SY	Finish Grading For Building Foundations And Other Structures by Hand					\$75.43
						Installation	Quantity		Unit Price		Factor	=	Total
							15.00	x	4.43	x	1.1351		75.43
						for tree trump backfill							
82	31	23	16	36	0028		CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine					\$83.90
						Installation	Quantity		Unit Price		Factor	=	Total
							19.00	x	3.89	x	1.1351		83.90
						120' x (2.5/2 squared =) 1.56 sf = 187 cf x 2 pipes = 375 / 27 = 14 cy x 1.39 = 19 cy pipe drill waste							
83	31	23	16	36	0028	0026	MOD	For Up To 20, Add					\$83.90
						Installation	Quantity		Unit Price		Factor	=	Total
							19.00	x	3.89	x	1.1351		83.90
84	31	23	16	36	0029		CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand					\$39.82
						Installation	Quantity		Unit Price		Factor	=	Total
							1.00	x	35.08	x	1.1351		39.82
						Ancillary to machine operations-pipe spoit							
85	31	23	16	36	0032		CY	Spread Excess Or Imported Material On Site By Hand					\$123.00
						Installation	Quantity		Unit Price		Factor	=	Total
							5.60	x	19.35	x	1.1351		123.00
						rip rap area around new/removed structures 4 x 1.39 = 5.6 LCY							
86	31	25	14	26	0008		LF	3' High Silt Fence with Stakes at 4' On Center					\$1,906.97
						Installation	Quantity		Unit Price		Factor	=	Total
							1,000.00	x	1.68	x	1.1351		1,906.97
						environmental							

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Name: City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Value: \$570,994.41

Sect.		Item		Modifier		UOM		Description		Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)								
No Category Input											
87	31	25	14	26	0008	0130	MOD	For Wire Backed Fence, Add			\$624.31
							Installation	Quantity	Unit Price	Factor	Total
								1,000.00	0.55	1.1351	624.31
								x	x	=	
88	31	25	14	26	0017		LF	Removal Of Silt Fence And Stakes			\$363.23
							Installation	Quantity	Unit Price	Factor	Total
								1,000.00	0.32	1.1351	363.23
								x	x	=	
							environmental				
89	31	41	13	00	0005		SF	12' Deep Excavation, Wood Shoring, Pull And Salvage			\$30,065.39
							Installation	Quantity	Unit Price	Factor	Total
								2,700.00	9.81	1.1351	30,065.39
								x	x	=	
							112.5 LF	x 2 pits x 12' deep = 2700 SF			
90	31	41	13	00	0007		SF	16' Deep Excavation, Wood Shoring, Pull And Salvage			\$34,049.59
							Installation	Quantity	Unit Price	Factor	Total
								2,700.00	11.11	1.1351	34,049.59
								x	x	=	
							84.375 LF	x 2 sides x 2 pits x 16' deep = 2700 SF			
91	32	16	13	13	0018		LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight			\$12,137.85
							Installation	Quantity	Unit Price	Factor	Total
								420.00	18.88	1.1351	9,000.89
								x	x	=	
							Demolition	Quantity	Unit Price	Factor	Total
								420.00	6.58	1.1351	3,136.96
								x	x	=	
92	32	16	23	00	0002		SF	4" Cast In Place Concrete Sidewalk			\$13,264.32
							Installation	Quantity	Unit Price	Factor	Total
								2,160.00	5.41	1.1351	13,264.32
								x	x	=	
							240 sy	x 9 = 2160			
93	32	16	23	00	0002	0098	MOD	For >1,000 To 5,000, Deduct			-\$760.06
							Installation	Quantity	Unit Price	Factor	Total
								2,160.00	-0.31	1.1351	-760.06
								x	x	=	
94	32	31	29	00	0013		LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence			\$7,317.31
							Installation	Quantity	Unit Price	Factor	Total
								240.00	25.57	1.1351	6,965.88
								x	x	=	
							Demolition	Quantity	Unit Price	Factor	Total
								240.00	1.29	1.1351	351.43
								x	x	=	
							Above and below road				
95	32	31	29	00	0013	0263	MOD	For Fastening With Screws Instead Of Nails, Add			\$395.01
							Installation	Quantity	Unit Price	Factor	Total
								240.00	1.45	1.1351	395.01
								x	x	=	
96	32	91	13	16	0018		EA	Pine Straw Mulch BaleCovers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.			\$1,108.02
							Installation	Quantity	Unit Price	Factor	Total
								153.00	6.38	1.1351	1,108.02
								x	x	=	
							environmental	850 SY			
97	32	91	13	16	0018	0318	MOD	For >100 To 250, Deduct			-\$69.47
							Installation	Quantity	Unit Price	Factor	Total
								153.00	-0.40	1.1351	-69.47
								x	x	=	

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Name: City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Value: \$570,994.41

Sect.		Item		Modifier		UOM		Description		Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)								
No Category Input											
98	33	05	07	23	0012	LF	30" Diameter Horizontal Jacking				\$188,904.25
						Installation	Quantity	Unit Price	Factor	=	Total
							240.00	693.42	x	1.1351	188,904.25
						new pipe as shown on plans					
99	33	05	61	00	0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole				\$16,041.34
						Installation	Quantity	Unit Price	Factor	=	Total
							1.00	14,132.09	x	1.1351	16,041.34
						built in place manhole					
100	33	05	61	00	0040	VLF	Riser For 8' Diameter, Precast Concrete ManholeFor depths greater than 8'.				\$18,112.38
						Installation	Quantity	Unit Price	Factor	=	Total
							12.00	1,329.72	x	1.1351	18,112.38
						built in place manhole					
101	33	05	81	00	0027	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame				\$1,827.60
						Installation	Quantity	Unit Price	Factor	=	Total
							1.00	1,610.08	x	1.1351	1,827.60
						built in place manhole					
102	33	41	16	13	0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping				\$1,510.25
						Installation	Quantity	Unit Price	Factor	=	Total
							150.00	6.41	x	1.1351	1,091.40
						Demolition	Quantity	Unit Price	Factor	=	Total
							150.00	2.46	x	1.1351	418.85
						Replace damaged					
103	33	41	16	13	0080	LF	6" Geotextile Filter Fabric Sock				\$139.62
						Installation	Quantity	Unit Price	Factor	=	Total
							150.00	0.82	x	1.1351	139.62
						Replace damaged					
104	33	42	11	00	0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets				\$1,092.97
						Installation	Quantity	Unit Price	Factor	=	Total
							24.00	40.12	x	1.1351	1,092.97
						pipe added to boredsupplied by others to attach to existing					
105	33	42	11	00	0053	EA	48" Diameter Concrete Pipe Joint Gasket				\$126.95
						Installation	Quantity	Unit Price	Factor	=	Total
							6.00	18.64	x	1.1351	126.95
						pipe added to bored pipe					
106	33	42	11	00	0081	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall				\$523.25
						Installation	Quantity	Unit Price	Factor	=	Total
							1.00	460.97	x	1.1351	523.25
						per plans at indicated structure					
107	33	42	31	00	0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin				\$1,860.70
						Installation	Quantity	Unit Price	Factor	=	Total
							1.00	1,639.24	x	1.1351	1,860.70
						for SWCB built in place					

Contractor's Price Proposal - Detail Continues..

Work Order Number: 105524.00

Work Order Title: City of Dunwoody - Storm Crossing on Spalding Drive

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Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X		

No Category Input

108	33	42	31	00	0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin						\$5,663.60	
						Installation	Quantity		Unit Price		Factor	=	Total	
							2.00	x	2,494.76	x	1.1351		5,663.60	
						Reconstruct both DWBC area shown on plans A-1 & A-2								
109	33	42	31	00	0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin						\$6,221.35	
						Installation	Quantity		Unit Price		Factor	=	Total	
							12.00	x	456.74	x	1.1351		6,221.35	
						Reconstruct both DWBC area shown on plans A-1 & A-2								
110	33	42	31	00	0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin						\$1,545.60	
						Installation	Quantity		Unit Price		Factor	=	Total	
							0.00	x	903.38	x	1.1351		0.00	
						Demolition	12.00	x	113.47	x	1.1351	=	1,545.60	
						Reconstruct both DWBC area shown on plans A-1 & A-2								
111	33	42	31	00	0326	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab						\$910.90	
						Installation	Quantity		Unit Price		Factor	=	Total	
							1.00	x	802.48	x	1.1351		910.90	
						DWCB top A-2								
112	33	42	31	00	0414	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)						\$1,393.22	
						Installation	Quantity		Unit Price		Factor	=	Total	
							1.00	x	1,227.40	x	1.1351		1,393.22	
						DWCB curb inlet A-1								

Subtotal for No Category Input

\$472,629.02

Pavement

113	01	22	23	00	0182	WK	10' Wide Paving Machine With Full-Time Operator					\$13,403.56
						Installation	Quantity		Unit Price	Factor	Total	
							1.00	x	11,808.26	x	1.1351 = 13,403.56	
114	01	22	23	00	0189	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator					\$4,771.12
						Installation	Quantity		Unit Price	Factor	Total	
							1.00	x	4,203.26	x	1.1351 = 4,771.12	
115	01	22	23	00	0216	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator					\$4,424.01
						Installation	Quantity		Unit Price	Factor	Total	
							1.00	x	3,897.46	x	1.1351 = 4,424.01	
116	01	22	23	00	0229	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator					\$4,014.41
						Installation	Quantity		Unit Price	Factor	Total	
							1.00	x	3,536.61	x	1.1351 = 4,014.41	
117	01	22	23	00	0274	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator					\$3,155.09
						Installation	Quantity		Unit Price	Factor	Total	
							1.00	x	2,779.57	x	1.1351 = 3,155.09	

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

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Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
Pavement					
118	01 71 13 00 0003		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	\$5,486.48
			Installation	Quantity 6.00 x Unit Price 805.58 x Factor 1.1351 = Total 5,486.48	
				Loader, laydown,, steel wheeled roller, rubber tired roller, broom, milling, oil spreader	
119	01 74 19 00 0016		EA	40 CY Dumpster (5 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$0.00
			Installation	Quantity 0.00 x Unit Price 587.48 x Factor 1.1351 = Total 0.00	
				140 syx9 x .5/27 x1.4 /.27= 33 lcy x 4000/2000 = 65 tons of milled asphalt	
120	01 74 19 00 0016	0003	MOD	For Each Ton Over Indicated Amount, Add	\$6,271.43
			Installation	Quantity 65.00 x Unit Price 85.00 x Factor 1.1351 = Total 6,271.43	
121	32 01 16 71 0009		SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	\$22,025.48
			Installation	Quantity 840.00 x Unit Price 23.10 x Factor 1.1351 = Total 22,025.48	
				140x6	
122	32 01 16 71 0009	0018	MOD	For >100 To 1,000, Deduct	-\$11,012.74
			Installation	Quantity 840.00 x Unit Price -11.55 x Factor 1.1351 = Total -11,012.74	
123	32 12 13 13 0006		SY	Tack Coat, 0.11 Gallon/SY	\$120.77
			Installation	Quantity 140.00 x Unit Price 0.76 x Factor 1.1351 = Total 120.77	
124	32 12 13 13 0006	0384	MOD	For Up To 150, Add	\$27.02
			Installation	Quantity 140.00 x Unit Price 0.17 x Factor 1.1351 = Total 27.02	
125	32 12 16 13 0002		TON	Bituminous Hot Mix Intermediate Course 3,954 LB/CYIncludes placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	\$7,021.32
	X		Installation	Quantity 76.00 x Unit Price 81.39 x Factor 1.1351 = Total 7,021.32	
				72 x1.05 for superpave = 76	
Subtotal for Pavement					\$59,707.95

Contractor's Price Proposal - Detail Continues..**Work Order Number:** 105524.00**Work Order Title:** City of Dunwoody - Storm Crossing on Spalding Drive

Proposal Total**\$570,994.41**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: %