



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: October 12, 2020
Subject: **Approval of a Construction Contract for Intersection Improvements at Spalding Drive and Chamblee Dunwoody Road**

BACKGROUND

The improvements planned for the intersection of Spalding Drive and Chamblee Dunwoody Road include:

- Adding left turn lanes on Spalding Drive at the intersection
- Changing the geometry of the intersection to improve safety by realigning the end of Chamblee Dunwoody Road to intersect Spalding Drive at more of a right angle and raising the grade of Spalding Drive south of the intersection to improve visibility
- Adding sidewalks on the east side of Spalding Drive from the city limit south of the intersection to Coronation Drive
- Adding bike lanes on both sides of the road within the limits of the project
- Installing a new decorative mast arm signal and drainage improvements

Utility companies began relocating overhead and underground utility lines in late spring to make room for the improvements. The transfer of the overhead lines to new poles on the west side of Spalding Drive is expected to continue through January 2021.

The city has issued an invitation to bid and 13 contractors submitted bids to construct the project with Construction 57 submitting the lowest bid at \$1,270,158,95. Construction 57 is currently under contract with the city for the Peeler Road sidewalk project.

FUNDING

The funding sources for this project are as follows:

<u>Funding Source</u>	<u>Project Number</u>	<u>Amount</u>
HOST Capital-Previous Balance	408	\$180,000
SPLOST Previous Years	SP1-1811	\$1,290,000
SPLOST 2021 Budget	SP1-1811	\$300,000
	Total Available Funding	\$1,770,000

The total estimated cost including a 10% contingency, construction management fee, inspections and site restoration allowance is within the available budget.

RECOMMENDED ACTION



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Staff recommends award of a contract to Construction 57, Inc. in the amount of \$1,270,158,95 and requests authorization of an additional \$127,000 for construction contingency to be administered as needed. Approval is requested at this meeting so that the contractor can begin work in November ahead of the holidays and cooler, wetter winter weather. The project is expected to be completed in 2021.

ROADWAY ITEMS			SD&C		Autoco		Excellere, LLC		
GDOT Pay Item	Description	UOM	QTY	Unit Price	Total	Unit Price	Total	Unit Price	Total
150-1000	TRAFFIC CONTROL - SPALDING DRIVE AT CHAMBLEE DUNWOODY ROAD	LS	1	\$114,250.00	\$114,250.00	\$110,000.00	\$110,000.00	\$26,185.76	\$26,185.76
205-0210	EXCAVATION ROCK - SPECIAL PROVISION	CY	50	\$800.00	\$40,000.00	\$200.00	\$10,000.00	\$96.00	\$4,800.00
206-0002	BORROW EXCAVATION INCL MATL	CY	375	\$275.00	\$103,125.00	\$12.00	\$4,500.00	\$20.45	\$7,668.75
210-0100	GRADING COMPLETE - SPALDING DRIVE AT CHAMBLEE DUNWOODY ROAD	LS	1	\$260,000.00	\$260,000.00	\$220,000.00	\$220,000.00	\$722,021.69	\$722,021.69
310-5060	GR ADDR BASE CRS, 6 IN, INCL MATL	SY	76	\$9.50	\$722.00	\$5.00	\$380.00	\$12.12	\$921.12
310-5120	GR AGGR BASE CRS, 12 IN, INCL MATL	SY	3,498	\$17.00	\$59,466.00	\$8.00	\$27,984.00	\$26.67	\$93,291.66
318-3000	AGGR SURF CRS	TN	150	\$28.00	\$4,200.00	\$40.00	\$6,000.00	\$12.75	\$1,912.50
402-1802	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME	TN	200	\$207.00	\$41,400.00	\$150.00	\$30,000.00	\$180.00	\$36,000.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	1030	\$133.50	\$137,505.00	\$150.00	\$154,500.00	\$175.74	\$181,012.20
402-3113	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATL & H LIME	TN	598	\$133.50	\$79,833.00	\$165.00	\$98,670.00	\$139.20	\$83,241.60
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	667	\$126.50	\$84,375.50	\$150.00	\$100,050.00	\$166.65	\$111,155.55
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATH & H LIME	TN	334	\$127.00	\$42,418.00	\$159.00	\$53,106.00	\$167.18	\$55,838.12
413-0750	TACK COAT	GL	947	\$6.40	\$6,060.80	\$6.00	\$5,682.00	\$5.50	\$5,208.50
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	229	\$20.75	\$4,751.75	\$14.00	\$3,206.00	\$18.00	\$4,122.00
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	49	\$60.00	\$2,940.00	\$63.00	\$3,087.00	\$72.41	\$3,548.09
441-0104	CONC SIDEWALK, 4 IN	SY	1583	\$50.00	\$79,150.00	\$45.00	\$71,235.00	\$48.80	\$77,250.40
441-0108	CONC SIDEWALK, 6 IN	EA	132	\$75.00	\$9,900.00	\$85.00	\$11,220.00	\$93.48	\$12,339.36
441-0740	CONCRETE MEDIAN, 4 IN	SY	63	\$70.00	\$4,410.00	\$55.00	\$3,465.00	\$53.81	\$3,390.03
441-4020	CONC VALLEY GUTTER, 6 IN	SY	151	\$60.00	\$9,060.00	\$63.00	\$9,513.00	\$72.41	\$10,933.91
441-6216	CONC CURB & GUTTER, 8 IN X 24 IN, TP 2	LF	3,686	\$17.00	\$62,662.00	\$26.00	\$95,836.00	\$18.05	\$66,532.30
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 IN WIDTH	LF	3,115	\$6.50	\$20,247.50	\$6.00	\$18,690.00	\$5.50	\$17,132.50
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	96	\$250.00	\$24,000.00	\$195.00	\$18,720.00	\$355.46	\$34,124.16
515-1000	FERROUS METAL HANDRAIL, SPCL DESIGN (DUNWOODY STANDARDS) BLACK POWDER COAT FINISH	LF	160	\$175.00	\$28,000.00	\$140.00	\$22,400.00	\$143.93	\$23,028.80
607-1000	MORTAR RUBBLE MASONARY-WALL, GDOT 9031L	CY	70	\$525.00	\$36,750.00	\$450.00	\$31,500.00	\$1,464.64	\$102,524.80
634-1200	RIGHT OF WAY MARKERS	EA	8	\$120.00	\$960.00	\$450.00	\$3,600.00	\$207.19	\$1,657.52
643-8200	BARRIER FENCE (ORANGE) 4 FT	LF	500	\$1.40	\$700.00	\$3.00	\$1,500.00	\$1.41	\$705.00
DRAINAGE ITEMS									
207-0203	FOUND BKILL MATL, TP 2	CY	50	\$40.00	\$2,000.00	\$90.00	\$4,500.00	\$65.41	\$3,270.50
441-0303	CONC SPILLWAY, TP 3	EA	1	\$3,500.00	\$3,500.00	\$1,800.00	\$1,800.00	\$1,728.32	\$1,728.32
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	626	\$60.00	\$37,560.00	\$59.00	\$36,934.00	\$42.86	\$26,830.36
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	663	\$80.00	\$53,040.00	\$69.00	\$45,747.00	\$52.82	\$35,019.66
550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	LF	38	\$135.00	\$5,130.00	\$86.00	\$3,268.00	\$102.97	\$3,912.86
550-1480	STORM DRAIN PIPE, 48 IN, H 1-10	LF	35	\$240.00	\$8,400.00	\$98.00	\$3,430.00	\$423.90	\$14,836.50
603-2181	STN DUMPED RIP RAP, TP 3, 18 IN	SY	5	\$100.00	\$500.00	\$350.00	\$1,750.00	\$57.82	\$289.10
603-7000	PLASTIC FILTER FABRIC	SY	5	\$12.00	\$60.00	\$20.00	\$100.00	\$3.42	\$17.10
668-1100	CATCH BASIN, GP 1	EA	7	\$3,800.00	\$26,600.00	\$6,800.00	\$47,600.00	\$2,606.94	\$18,248.58
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LF	1	\$580.00	\$580.00	\$500.00	\$500.00	\$163.32	\$163.32
668-1200	CATCH BASIN, GP 2	EA	2	\$6,000.00	\$12,000.00	\$6,800.00	\$13,600.00	\$4,529.69	\$9,059.38
668-1210	CATCH BASIN, GP 2, ADDL DEPTH	LF	7	\$800.00	\$5,600.00	\$500.00	\$3,500.00	\$471.73	\$3,302.11
668-2100	DROP INLET, GP 1	EA	2	\$3,000.00	\$6,000.00	\$5,800.00	\$11,600.00	\$2,505.05	\$5,010.10
668-2110	DROP INLET, GP 1, ADDL DEPTH	LF	2	\$580.00	\$1,160.00	\$500.00	\$1,000.00	\$337.18	\$674.36
668-4300	STORM SEWER MANHOLE, TP 1	EA	1	\$4,000.00	\$4,000.00	\$6,800.00	\$6,800.00	\$1,618.27	\$1,618.27
668-5000	JUNCTION BOX	EA	1	\$2,800.00	\$2,800.00	\$4,900.00	\$4,900.00	\$1,947.88	\$1,947.88
668-7018	DRAIN INLET, 18 IN	EA	1	\$2,600.00	\$2,600.00	\$1,950.00	\$1,950.00	\$1,085.40	\$1,085.40
SIGNING AND MARKING ITEMS									
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	123	\$24.00	\$2,952.00	\$12.00	\$1,476.00	\$37.90	\$4,661.70
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	5	\$30.00	\$150.00	\$15.00	\$75.00	\$25.86	\$129.30
636-2090	GALV STEEL POSTS, TP 9	LF	184	\$28.00	\$5,152.00	\$15.00	\$2,760.00	\$12.13	\$2,231.92
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	3	\$125.00	\$375.00	\$400.00	\$1,200.00	\$96.00	\$288.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	6479	\$1.05	\$6,802.95	\$5.00	\$32,395.00	\$0.64	\$4,146.56
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	3,313	\$1.05	\$3,478.65	\$5.00	\$16,565.00	\$0.64	\$2,120.32
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	99	\$6.20	\$613.80	\$15.00	\$1,485.00	\$4.68	\$463.32
653-1804	THEROPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	817	\$3.10	\$2,532.70	\$5.00	\$4,085.00	\$2.30	\$1,879.10
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	534	\$0.88	\$469.92	\$25.00	\$13,350.00	\$0.58	\$309.72
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	81	\$7.00	\$567.00	\$30.00	\$2,430.00	\$4.68	\$379.08
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	159	\$7.00	\$1,113.00	\$30.00	\$4,770.00	\$4.87	\$774.33
TRAFFIC SIGNAL ITEMS									
639-3004	STRAIN POLE, TP IV, WITH 30' MAST ARM	EA	1	\$10,350.00	\$10,350.00	\$45,000.00	\$45,000.00	\$11,250.00	\$11,250.00
639-3004	STRAIN POLE, TP IV, WITH 50' MAST ARM AND 55' MAST ARM	EA	1	\$32,200.00	\$32,200.00	\$55,000.00	\$55,000.00	\$35,000.00	\$35,000.00
647-1000	TRAFFIC SIGNAL INSTALLATION NO 1	LS	1	\$107,920.00	\$107,920.00	\$140,000.00	\$140,000.00	\$113,750.00	\$113,750.00
682-9950	DIRECTIONAL BORE, 5 IN	LF	275	\$28.75	\$7,906.25	\$40.00	\$11,000.00	\$31.25	\$8,593.75
EROSION CONTROL ITEMS									
163-0232	TEMPORARY GRASSING	AC	2	\$799.25	\$1,598.50	\$1,000.00	\$2,000.00	\$0.01	\$0.02
163-0240	MULCH	TN	7	\$517.50	\$3,622.50	\$450.00	\$3,150.00	\$0.01	\$0.07
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	12	\$161.00	\$1,932.00	\$350.00	\$4,200.00	\$123.49	\$1,481.88
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TYPE A	LF	1,817	\$1.00	\$1,817.00	\$5.00	\$9,085.00	\$0.01	\$18.17
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	12	\$70.00	\$840.00	\$190.00	\$2,280.00	\$0.01	\$0.12
167-1000	WATER WUALITY MONITORING AND SAMPLING	EA	2	\$115.00	\$230.00	\$950.00	\$1,900.00	\$15.15	\$30.30
167-1500	WATER QUALITY INSPECTION	MO	12	\$432.00	\$5,184.00	\$500.00	\$6,000.00	\$681.75	\$8,181.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	3,633	\$2.40	\$8,719.20	\$5.00	\$18,165.00	\$1.62	\$5,885.46
700-7000	AGRICULTURAL LIME	TN	1	\$180.00	\$180.00	\$250.00	\$250.00	\$0.01	\$0.01
700-8000	FERTILIZER MIXED GRADE	TN	1	\$800.00	\$800.00	\$250.00	\$250.00	\$0.01	\$0.01
700-8100	FERTILIZER NITROGEN CONTENT	LB	43	\$5.00	\$215.00	\$30.00	\$1,290.00	\$7.58	\$325.94
700-9300	SOD	SY	3,203	\$9.00	\$28,827.00	\$9.00	\$28,827.00	\$6.60	\$21,139.80
				\$1,664,965.02		\$1,712,811.00		\$2,036,600.00	