

## **MEMORANDUM**

**To:** Mayor and City Council

**From:** Michael Smith, Public Works Director

**Date:** July 27, 2015

**Subject:** **Approval of a Construction Contract for the Tilly Mill Road at North Peachtree Road Intersection Project**

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### **ITEM DESCRIPTION**

Approval of a Construction Contract with C.W. Matthews in the amount of \$4,507,163 for the Tilly Mill Road at North Peachtree Road Intersection Project.

### **BACKGROUND**

In June the city advertised for bids to construct improvements for the intersections of Tilly Mill Road at North Peachtree Road and North Peachtree Road at Peeler Road including replacement of the water main within the footprint of the project. Despite statewide advertisement and inquiries from multiple contractors, C.W. Matthews Contracting Co., Inc. submitted the only bid in the amount of \$4,507,163.22. Subsequent to the bid opening staff made inquiries with multiple contacts to gain additional perspective on the current competitive environment in the construction industry. The feedback received was that there are many similar infrastructure projects underway in the metro area and statewide. As a result most contractors have a backlog of work and are being more selective about which projects they bid. Some contractors are choosing to focus more on private sector work which has also increased. A comparison of Georgia Department of Transportation bid prices indicates an increase of as much as 15% from 2014 to 2015.

### **FUNDING**

The city's allocated funding for this project is \$4,208,840 including a contribution of \$964,590 from DeKalb County for the water main replacement costs. The city has negotiated a \$65,000 reduction in the bid price resulting in a contract amount that exceeds the funding by \$298,000.

### **RECOMMENDED ACTION**

Staff offers the following recommendations for consideration by the Mayor and City Council:

1. Award a contract to C.W. Matthews Contracting Co., Inc. in the amount of \$4,442,000.
2. Reallocate the \$390,000 surplus in the Dunwoody Village Parkway Streetscape Project necessary to fully fund the contract.
3. Include \$500,000 in the 2016 budget to allow for a full 10% contract contingency, construction management and inspection services. It is anticipated that a large

#9.



41 Perimeter Center East, Suite 250  
Dunwoody, Georgia 30346  
P (678) 382-6700 F (678) 382-6701  
[dunwoodyga.gov](http://dunwoodyga.gov)

percentage of the project costs will actually be incurred in 2016.

Alternatively, the city could reject the bid and re-advertise the project. This would delay the start of construction into the winter months with no certainty that additional bids would be received and the possibility that the bid price could actually increase.

ITB 15-05

**BID FORM-Revised**  
**North Peachtree at Tilly Mill Road and Peeler Road Intersection Improvement**

**ROADWAY ITEMS**

150-1000	TRAFFIC CONTROL	316,500.72	LS	1	316,500.72
207-0203	FOUND BK FILL MATL, TP II	105.63	CY	100	10,563.00
210-0100	GRADING COMPLETE	781,356.71	LS	1	781,356.71
210-0250	UNDERCUT EXCAVATION	104.96	CY	100	10,496.00
310-1101	GR AGGR BASE CRS, INCL MATL	32.38	TN	3520	113,977.60
318-3000	AGGR SURF CRS	26.04	TN	150	3,906.00
402-1802	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME	114.51	TN	750	85,882.50
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	89.17	TN	3000	267,510.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATL & H LIME	102.64	TN	1100	112,904.00
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	84.83	TN	1900	161,177.00
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATL & H LIME	99.63	TN	600	59,778.00
413-1000	BITUM TACK COAT	2.23	GL	2900	6,467.00
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	3.43	SY	8400	28,812.00
441-0016	DRIVEWAY CONCRETE, 6 IN TK	42.10	SY	650	27,365.00
441-0104	CONC SIDEWALK, 4 IN	23.16	SY	2420	56,047.20
441-0754	CONCRETE MEDIAN, 7 1/2 IN	64.58	SY	220	14,207.60
441-4030	CONC VALLEY GUTTER, 8 IN	59.81	SY	500	29,905.00
441-6216	CONC CURB & GUTTER, 8 IN X 24 IN, TP 2	15.19	LF	5200	78,988.00
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	6.70	LF	4200	28,140.00
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	221.54	CY	100	22,154.00
ROADWAY SUBTOTAL					2,216,137.33

Bidder: C. W. MATTHEWS CONTRACTING CO., INC.

**BID FORM-Revised**  
**North Peachtree at Tilly Mill Road and Peeler Road Intersection Improvement**

**DRAINAGE ITEMS**

550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	63.83	LF	1945	124,149.35
550-1181	STORM DRAIN PIPE, 18 IN, H 10-15	79.39	LF	80	6,351.20
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	89.80	LF	390	35,022.00
550-1241	STORM DRAIN PIPE, 24 IN, H 10-15	109.83	LF	50	5,491.50
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	101.90	LF	490	49,931.00
550-1301	STORM DRAIN PIPE, 30 IN, H 10-15	149.98	LF	65	9,748.70
550-1361	STORM DRAIN PIPE, 36 IN, H 10-15	138.44	LF	120	16,612.80
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	542.01	EA	2	1,084.02
550-4224	FLARED END SECTION 24 IN, STORM DRAIN	650.30	EA	1	650.30
550-4230	FLARED END SECTION 30 IN, STORM DRAIN	725.64	EA	1	725.64
550-4236	FLARED END SECTION 36 IN, STORM DRAIN	1,136.88	EA	1	1,136.88
573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	28.68	FT	300	8,604.00
600-0001	FLOWABLE FILL	335.91	CY	40	13,436.40
603-2181	STN DUMPED RIP RAP, TP 3, 18 IN	41.73	SY	75	3,129.75
603-7000	PLASTIC FILTER FABRIC	6.14	SY	75	460.50
611-8000	ADJUST CATCH BASIN TO GRADE	1,600.00	EA	1	1,600.00
668-1100	CATCH BASIN, GP 1	2,450.00	EA	20	49,000.00
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	250.00	LF	38	9,500.00
668-2100	DROP INLET, GP 1	2,300.00	EA	27	62,100.00
668-2105	DROP INLET, GP 1, SPCL DES	5,400.00	EA	2	10,800.00
668-2110	DROP INLET, GP 1, ADDL DEPTH	250.00	LF	38	9,500.00
668-4300	STORM SEWER MANHOLE, TP 1	2,150.00	EA	2	4,300.00
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	275.00	LF	17	4,675.00
DRAINAGE SUBTOTAL					428,009.04

ITB 15-05

**BID FORM-Revised**  
**North Peachtree at Tilly Mill Road and Peeler Road Intersection Improvement**

**RETAINING WALL NO. 1 ITEMS**

500-XXXX	RETAINING WALL (INCLUDES DESIGN AND INSTALLATION) – WALL 1	46,814.59	LS	1	46,814.59
WALL 1 SUBTOTAL					46,814.59

**RETAINING WALL NO. 2 ITEMS**

500-XXXX	RETAINING WALL (INCLUDES DESIGN AND INSTALLATION) –WALL 2	183,908.60	LS	1	183,908.60
643-XXXX	WOOD PRIVACY FENCE, 6 FT HIGH	24.90	LF	430	10,707.00
643-XXXX	WOOD PRIVACY GATE – 12 FT WIDE, 6 FT HIGH	1,200.00	EA	1	1,200.00
WALL 2 SUBTOTAL					195,815.60

**SIGNING AND MARKING ITEMS**

610-9001	REM SIGN, STA	90.00	LS	4	360.00
611-5551	RESET SIGN	185.00	EA	4	740.00
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	18.70	SF	260	4,862.00
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	22.00	SF	27	594.00
636-2080	GALV STEEL POSTS, TP 8	9.15	LF	540	4,941.00
652-0094	THERMOPLASTIC PVMT MARKING, SYMBOL, TP 4	255.00	EA	12	3,060.00
652-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	85.00	EA	12	1,020.00
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	85.00	EA	37	3,145.00
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	160.00	EA	1	160.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	0.60	LF	9900	5,940.00
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	0.60	LF	8300	4,980.00
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	4.65	LF	300	1,395.00
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	2.25	LF	3400	7,650.00
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	0.55	GLF	770	423.50

Bidder: C. W. MATTHEWS CONTR-259- NG CO., INC.

**BID FORM-Revised**  
**North Peachtree at Tilly Mill Road and Peeler Road Intersection Improvement**

652-5301	SOLID TRAF STRIPE, 6 IN, WHITE	0.30	LF	2350	705.00
652-6501	SKIP TRAFFIC STRIPE, 5 IN, WHITE	0.22	GLF	860	189.20
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	4.65	SY	300	1,395.00
653-6006	THERMOPLASTIC TRAF STRIPING, YELL.	4.70	SY	760	3,572.00
654-1001	RAISED PVMT MARKERS TP 1	4.70	EA	110	517.00
654-1003	RAISED PVMT MARKERS TP 3	4.70	EA	60	282.00
SIGNING AND MARKING SUBTOTAL					45,930.70

**TRAFFIC SIGNAL ITEMS**

615-1200	DIRECTIONAL BORE – 3 IN	14.00	LF	400	5,600.00
615-1200	DIRECTIONAL BORE - 5 IN	16.00	LF	955	15,280.00
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	65.00	SF	98	6,370.00
639-3004	STEEL STRAIN POLE, TP IV - WITH 50 FT MAST ARM, TAPERED BLACK (See Spec. Prov.)	17,580.00	EA	3	52,740.00
639-3004	STEEL STRAIN POLE, TP IV - WITH 65 FT MAST ARM, TAPERED BLACK (See Spec. Prov.)	21,400.00	EA	1	21,400.00
639-3004	STEEL STRAIN POLE, TP IV - WITH 50/55 FT MAST ARM, TAPERED BLACK (See Spec. Prov.)	26,870.00	EA	1	26,870.00
639-3004	STEEL STRAIN POLE, TP IV - WITH 65 FT MAST ARM, TAPERED BLACK (See Spec. Prov.)	32,400.00	EA	1	32,400.00
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	83,650.00	LS	1	83,650.00
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 2	79,584.00	LS	1	79,584.00
647-6200	LOOP DETECTOR, 6 X 6 FT., BIPOLE	600.00	EA	3	1,800.00
647-6300	LOOP DETECTOR, 6 X 40 FT., QUAD.	1,000.00	EA	9	9,000.00
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	3.85	LF	2515	9,682.75
927-0300	2070 MOUNT SPREAD SPECTRUM WIRELESS TRANSCEIVER W/ RS 232 CONN	3,500.00	EA	2	7,000.00
927-0500	DIRECTIONAL RADIO ANTENNA AND	1,200.00	EA	2	2,400.00

**BID FORM-Revised**  
**North Peachtree at Tilly Mill Road and Peeler Road Intersection Improvement**

	CONNECTING CABLE				
927-0800	SPREAD SPECTRUM WIRELESS RADIO SURVEY	2,500.00	EA	1	2,500.00
927-0900	SPREAD SPECTRUM WIRELESS TRAINING	1,500.00	LS	1	1,500.00
935-1116	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 72 FIBER	4.50	LF	690	3,105.00
935-3502	FIBER OPTIC CLOSURE, FDC (WALL MOUNTED), 12 FIBER	995.00	EA	2	1,990.00
939-2300	FIELD SWITCH, TYPE A	2,750.00	EA	2	5,500.00
SIGNAL SUBTOTAL					368,371.75

**EROSION CONTROL ITEMS**

163-0001	TEMPORARY EROSION CONTROL	212,277.71	LS	1	212,277.71
167-1000	WATER QUALITY MONITORING AND SAMPLING	200.00	EA	2	400.00
167-1500	WATER QUALITY INSPECTIONS	300.00	MO	13	3,900.00
700-6910	PERMANENT GRASSING	825.00	AC	6	4,950.00
700-7000	AGRICULTURAL LIME	192.00	TN	20	3,840.00
700-8000	FERTILIZER MIXED GRADE	500.00	TN	5	2,500.00
700-8100	FERTILIZER NITROGEN CONTENT	1.65	LB	350	577.50
700-9300	SOD	7.17	SY	1600	11,472.00
716-2000	EROSION CONTROL MATS, SLOPES	0.83	SY	1900	1,577.00
EROSION CONTROL SUBTOTAL					241,494.21

**ROAD TOTAL** 3,542,573.22

Bidder: C. W. MATTHEWS CONTRACTING CO., INC.

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**WATER AND SANITARY SEWER  
RELOCATION ITEMS**

150-1000	TRAFFIC CONTROL	20,000.00	LS	1	20,000.00
202-2100	CLEARING	50,000.00	LS	1	50,000.00
205-0210	ROCK EXCAVATION	200.00	CY	100	20,000.00
441-0016	CONCRETE DRIVEWAY REPLACEMENT - 6-INCH THICK	48.49	SY	90	4,364.10
441-0018	CONCRETE DRIVEWAY REPLACEMENT - 8-INCH THICK	68.56	SY	30	2,056.80
441-6622	CONCRETE CURB AND GUTTER, 8-INCH X 30-INCH, TP2	30.89	LF	60	1,853.40
441-5002	CONCRETE CURB, 6-INCH	28.44	LF	60	1,706.40
441-0104	CONCRETE SIDEWALK, 4-INCH THICK	41.31	SY	30	1,239.30
500-9999	FURNISH AND INSTALL CLASS B CONCRETE	350.00	CY	10	3,500.00
670-1080	FURNISH AND INSTALL DUCTILE IRON PIPE WITH RESTRAINED JOINTS, 8-INCH, ALL DEPTHS	90.00	LF	2847	256,230.00
670-1200	FURNISH AND INSTALL DUCTILE IRON PIPE WITH RESTRAINED JOINTS, 20-INCH, ALL DEPTHS	275.00	LF	364	100,100.00
670-XXXX	FURNISH AND INSTALL DUCTILE IRON FITTINGS, RESTRAINED JOINTS, 8-INCH	4,000.00	TON	3	12,000.00
670-XXXX	FURNISH AND INSTALL DUCTILE IRON FITTINGS, RESTRAINED JOINTS, 12-INCH	4,000.00	TON	1	4,000.00
670-XXXX	FURNISH AND INSTALL DUCTILE IRON FITTINGS, MECHANICAL JOINTS	4,000.00	TON	.5	2,000.00
670-2060	FURNISH AND INSTALL GATE VALVE AND VALVE BOX COMPLETE IN PLACE, MECHANICAL JOINTS, 6-INCH	850.00	EA	2	1,700.00
670-2080	FURNISH AND INSTALL GATE VALVE AND VALVE BOX COMPLETE IN PLACE, MECHANICAL JOINTS, 8-INCH	1,500.00	EA	19	28,500.00
670-2200	FURNISH AND INSTALL GATE VALVE AND VALVE BOX COMPLETE IN PLACE, MECHANICAL JOINTS 20-INCH	18,000.00	EA	4	72,000.00
670-4000	FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY INCLUDING 6-INCH VALVE, COMPLETE IN PLACE AND 8 X 6 IN. TEE	3,800.00	EA	9	34,200.00
670-4000	FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY INCLUDING 6-INCH VALVE, COMPLETE IN PLACE AND 20 X 6 IN. TEE	5,000.00	EA	1	5,000.00



**BID FORM-Revised**  
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670-5620	FURNISH AND INSTALL COPPER PIPING, 3/4-INCH	32.00	LF	230	7,360.00
670-5010	FURNISH AND INSTALL COPPER PIPING, 1-INCH	37.00	LF	120	4,440.00
670-5015	FURNISH AND INSTALL COPPER PIPING, 1-1/2 INCH	42.00	LF	120	5,040.00
670-5020	FURNISH AND INSTALL COPPER PIPING 2 INCH	50.00	LF	120	6,000.00
670-XXXX	TRANSFER OF EXISTING WATER SERVICE, 3/4-INCH.	1,000.00	EA	22	22,000.00
670-XXXX	TRANSFER OF EXISTING WATER SERVICE, 1-INCH.	1,000.00	EA	2	2,000.00
670-XXXX	TRANSFER OF EXISTING WATER SERVICE, 1-1/2-INCH.	1,500.00	EA	2	3,000.00
670-XXXX	TRANSFER OF EXISTING WATER SERVICE, 2-INCH.	1,500.00	EA	2	3,000.00
670-XXXX	RELOCATE EXISTING WATER SERVICE, 3/4-INCH	1,100.00	EA	1	1,100.00
670-XXXX	RELOCATE EXISTING WATER SERVICE, 1-INCH	1,100.00	EA	1	1,100.00
670-XXXX	RELOCATE EXISTING WATER SERVICE, 1-1/2-INCH	1,500.00	EA	1	1,500.00
670-XXXX	RELOCATE EXISTING WATER SERVICE, 2-INCH	1,500.00	EA	1	1,500.00
670-XXXX	FURNISH AND INSTALL WATER METER & BOX, COMPLETE IN PLACE, 3/4-INCH	1,200.00	EA	19	22,800.00
670-XXXX	FURNISH AND INSTALL WATER METER & BOX, COMPLETE IN PLACE, 1-INCH	1,400.00	EA	4	5,600.00
670-XXXX	FURNISH AND INSTALL WATER METER & BOX, COMPLETE IN PLACE, 1-1/2-INCH	4,500.00	EA	4	18,000.00
670-XXXX	FURNISH AND INSTALL WATER METER & BOX, COMPLETE IN PLACE, 2-INCH	5,500.00	EA	4	22,000.00
670-9920	REMOVE AND SALVAGE EXISTING FIRE HYDRANT	350.00	EA	1	350.00
670-XXXX	CUT AND PLUG EXISTING 6-INCH WATER MAIN	2,500.00	EA	5	12,500.00
670-XXXX	CUT AND PLUG EXISTING 20-INCH WATER MAIN	5,000.00	EA	2	10,000.00
670-XXXX	PRESSURE PLUG NEW 8-INCH WATER MAIN	750.00	EA	10	7,500.00
670-XXXX	PRESSURE PLUG NEW 20-INCH WATER MAIN	2,500.00	EA	2	5,000.00
670-XXXX	JACK AND BORE 18" STEEL CASING, 8-INCH CARRIER	350.00	LF	400	140,000.00
670-XXXX	GROUT FILL ABANDONED WATER MAIN,	8.00	LF	2800	22,400.00

Bidder: C. W. MATTHEWS CONTRA-263-IG CO., INC.

**BID FORM-Revised**  
**North Peachtree at Tilly Mill Road and Peeler Road Intersection Improvement**

	6-INCH				
670-XXXX	GROUT FILL ABANDONED WATER VALVE BOX	750.00	CY	7	5,250.00
670-XXXX	ADJUST EXISTING WATER VALVE BOX TO GRADE, 20-INCH OR LESS	1,500.00	EA	1	1,500.00
670-9900	REMOVE EXISTING WATER METER AND BOX	200.00	EA	20	4,000.00
670-XXXX	REMOVE EXISTING WATER METER	200.00	EA	13	2,600.00
611-8050	ADJUST EXISTING SANITARY SEWER MANHOLE TO GRADE, 16-INCH OR LESS	2,200.00	EA	3	6,600.00
WATER SUBTOTAL					964,590.00
<b>BID TOTAL</b>					<b>4,507,163.22</b>

**ADD ALTERNATE NO. 1**

Install approximately 300 feet of 5-foot wide concrete sidewalk on the west side of North Peachtree Road from the end of the project north to the southern driveway of Kingswood United Methodist Church driveway.

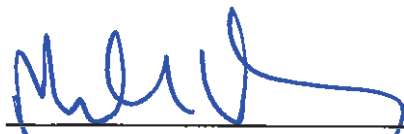
Lump Sum 10,947.59

**Brick-Patterned Stamped Driveway Concrete, 6 Inches Thick**

Per Square Yard 78.16

**Company Name:**

Bidder: C. W. MATTHEWS CONTRACTING CO., INC.



Michael Kleuckling, Vice President

Date: July 14, 2015