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**MEMORANDUM**

**To:** Mayor and City Council

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

**Date:** 5/29/2012

**Subject:** **Approval of Full Depth Reclamation Paving Contract-Multiple Streets**

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**ITEM DESCRIPTION**

Approval of Full Depth Reclamation Paving Contract-Multiple Streets

**BACKGROUND**

At its January meeting, the Council approved the attached list of streets for paving. Subsequently, the Public Works staff evaluated each street to determine the best strategies for resurfacing and develop bid documents. Based on the extent of deterioration and lack of adequate pavement thickness, the following streets were recommended for full depth reclamation:

- Tennille Court
- Vernon Oaks Drive
- Tichenor Court
- Broughton Court
- Tyndall Court
- Arnaud Court

Full depth reclamation is a process whereby the existing pavement is completely pulverized and mixed with the underlying soil. Cement is added to the soil-aggregate mixture to form a stabilized base which is overlain with new asphalt pavement.

The streets listed above along with Leisure Valley Drive, which the City committed to pave in a settlement agreement with Leisure at Dunwoody, LLC et. al., were advertised in an Invitation to Bid (ITB 12-06). The following bids were received:

<b>1.</b>	<b>Stewart Brothers</b>	\$369,401.24
<b>2.</b>	<b>Blount Construction</b>	\$392,702
<b>3.</b>	<b>Atlanta Paving &amp; Concrete</b>	\$403,634.23

Itemized bid results are included as an attachment to this memo.

**RECOMMENDED ACTION**

Staff respectfully requests that Council: (1)award a unit price contract to Stewart Brothers with a not to exceed amount of \$400,000, (2) authorize staff to provide funding for the contract; and (3)authorize the City Manager to execute the necessary documents following satisfactory review by legal counsel.

**ATTACHMENT "D"**  
**5-YEAR CAPITAL PAVING PLAN**  
**BIKE LANES ADDED ON SPALDING AND CHAMBLEE DUNWOODY**

Street	From	To	Length (feet)	Estimated Cost	Cumulative by Year	Notes
<b>2012</b>						
ASHFORD CENTER PKWY	ASHFORD DUNWOODY	CHAMBLEE DUNWOODY	2993	\$ 333,000	\$ 333,000	Moved up from 2013
CHAMBLEE DUNWOODY	CAMBRIDGE DR	VALLEY VIEW DR	3277	\$ 160,000	\$ 493,000	
MOUNT VERNON RD	WEST CITY LIMIT	ASHFORD DUNWOODY	3756	\$ 152,000	\$ 645,000	Moved up from 2013
WINTERS CHAPEL RD	500 Ft. N. OF PEELER	N OF WINTERHAVEN CT	2200	\$ 148,000	\$ 793,000	Moved up from 2013
WINTERS CHAPEL RD	CHARMANT PL	JONES MILL RD	1505	\$ 103,000	\$ 896,000	Added
SPALDING DR	CHAMBLEE DUNWOODY	WELDSTONE CT	1373	\$ 85,000	\$ 981,000	Moved up from 2013
PERIMETER CENTER E	ASHFORD DUNWOODY	ASHFORD DUNWOODY	6415	\$ 410,000	\$ 1,391,000	Moved up from 2014
TENNILLE CT	HALLFORD DR	END	373	\$ 24,000	\$ 1,415,000	
ASHLEY CT	DUNWOODY CLUB	END	209	\$ 13,000	\$ 1,428,000	
SANLEE LANE	SUMAC DR	END	894	\$ 24,000	\$ 1,452,000	Moved up from 2014
ARRIE WAY	SUMAC DR	END	904	\$ 25,000	\$ 1,477,000	Moved up from 2014
LAKESPRINGS CIR	LAKESPRINGS DR	END	175	\$ 8,000	\$ 1,485,000	Moved up from 2013
LAKESPRINGS CT	LAKESPRINGS DR	END	508	\$ 18,000	\$ 1,503,000	Moved up from 2013
BROUGHTON CT	VERNON OAKS DR	END	464	\$ 23,000	\$ 1,526,000	Moved up from 2015
TICHENOR CT	VERNON OAKS DR	END	420	\$ 22,000	\$ 1,548,000	Moved up from 2015
VERNON OAKS DR	WOMACK RD	MOUNT VERNON RD	2801	\$ 107,000	\$ 1,655,000	Added
TYNDALL CT	VERNON OAKS DR	END	327	\$ 16,000	\$ 1,671,000	Added
ARNAUD CT	VERNON SPRINGS DR	END	558	\$ 23,000	\$ 1,694,000	Added
CHARMANT PL	WINTERS CHAPEL RD	END	944	\$ 36,000	\$ 1,730,000	Moved up from 2015
JOEL PL	CHARMANT PL	END	1049	\$ 39,000	\$ 1,769,000	Added
JOEL LN	FONTAINEBLEAU DR	JOEL PL	637	\$ 27,000	\$ 1,796,000	Added
JOEL CT	JOEL PL	END	360	\$ 16,000	\$ 1,812,000	Added
W. FONTAINEBLEAU CT	HAPPY HOLLOW RD	END	379	\$ 13,000	\$ 1,825,000	Moved up from 2013
Bike Lanes- Mt. Vernon, Spalding, Chamblee Dunwoody				\$ 485,000	\$ 2,310,000	
Contingency				9%	\$ 230,000	
				<b>2012 Total</b>	\$ 2,540,000	
Total Miles			6.1			

**ITB 12-06: FULL DEPTH RECLAMATION MULTIPLE STREETS**

**LEISURE RIDGE RECONSTRUCTION**

GDOT Pay Item	Description	Stewart Brothers, Inc.				Blount Construction				Atlanta Paving			
		UOM	QTY	Unit Price	Total	UOM	QTY	Unit Price	Total	UOM	QTY	Unit Price	Total
150-1000	Traffic Control	LS	1	\$ 5,180.78	\$ 5,180.78	LS	1	\$ 1,000.00	\$ 1,000.00	LS	1	\$ 7,200.00	\$ 7,200.00
151-1000	Mobilization	LS	1	\$ 19,360.00	\$ 19,360.00	LS	1	\$ 3,500.00	\$ 3,500.00	LS	1	\$ 2,000.00	\$ 2,000.00
208-1000	Place up to 1.5 feet stabilization lift as determined by geotechnical engineer using the pulverized material and compact with steel drum roller. The pulverized material should also be used to backfill above the stabilization layer up to design subgrade elevation in 8-inch loose lifts and compacted to at least 98 % of standard Proctor maximum dry density. The backfill placement should extend beneath the area where new curb and gutter is to be constructed.	CY	400	\$ 9.08	\$ 3,632.00	CY	400	\$ 4.00	\$ 1,600.00	CY	400	\$ 10.00	\$ 4,000.00
210-0250	Undercut Excavation- Areas #1 and #2 on Figure 2 including the area below the curb & gutter next to Area #1. Also beneath Concrete Patch Areas on Figures 1 and 2. Undercut up to 4 feet and moisture condition excavated soil for re-use. Level and compact the bottom of the excavations.	CY	400	\$ 24.20	\$ 9,680.00	CY	400	\$ 7.25	\$ 2,900.00	CY	400	\$ 12.00	\$ 4,800.00
301-2190	Using a pulvimixer, pulverize the existing asphalt pavement, graded aggregate base (GAB), and soil subgrade to a depth of 16 inches below gutter for the entire roadway. Shape the pulverized materials to desired subgrade elevation to allow for 3 1/2 inches of new asphalt pavement. Adjust subgrade moisture to within 3 percent of optimum moisture content as defined by ASTM D-698.	SY	2,760	\$ 1.89	\$ 5,216.40	SY	2,760	\$ 10.40	\$ 28,704.00	SY	2,760	\$ 12.58	\$ 34,720.80
301-5000	Portland Cement thoroughly mixed to a depth of 12 inches and compacted to at least 98 percent of the standard Proctor maximum dry density	TN	80	\$ 165.54	\$ 13,243.20	TN	80	\$ 110.00	\$ 8,800.00	TN	80	\$ 97.00	\$ 7,760.00
400-3401	Asphaltic Concrete, 19 Mm SMA, Gp 2 Only, Including Bitum. Material & H Lime	TN	305	\$ 84.75	\$ 25,848.75	TN	305	\$ 88.00	\$ 26,840.00	TN	305	\$ 82.15	\$ 25,055.75
441-6012	Concrete Curb & Gutter, 6 In X 24 In, Tp 2	LF	60	\$ 22.00	\$ 1,320.00	LF	60	\$ 17.00	\$ 1,020.00	LF	60	\$ 15.00	\$ 900.00
455-1000	Install stabilization fabric (Mirafi 500x or equivalent) over the bottom of excavation with minimum 2 feet wide side and end laps.	SY	300	\$ 4.54	\$ 1,362.00	SY	300	\$ 2.00	\$ 600.00	SY	300	\$ 4.00	\$ 1,200.00
609-1000	Remove Roadway Slab	SY	130	\$ 38.08	\$ 4,950.40	SY	130	\$ 2.00	\$ 260.00	SY	130	\$ 20.00	\$ 2,600.00
610-0355	Remove Damaged Curb and Gutter from Undercut and Replace Area No. 1 on Figure 2	LF	60	\$ 22.00	\$ 1,320.00	LF	60	\$ 5.00	\$ 300.00	LF	60	\$ 15.00	\$ 900.00
		SUBTOTAL LEISURE RIDGE				SUBTOTAL LEISURE RIDGE				SUBTOTAL LEISURE RIDGE			
		\$ 91,113.53				\$ 75,524.00				\$ 91,136.55			

**FULL DEPTH RECLAMATION-TENNILLE CT., VERNON OAKS, ARNAUD, TICHENOR, BROUGHTON, TYNDALL**

GDOT Pay Item	Description	Stewart Brothers, Inc.				Blount Construction				Atlanta Paving			
		UOM	QTY	Unit Price	Total	UOM	QTY	Unit Price	Total	UOM	QTY	Unit Price	Total
150-1000	Traffic Control	LS	1	\$ 28,322.87	\$ 28,322.87	LS	1	\$ 10,000.00	\$ 10,000.00	LS	1	\$ 19,200.00	\$ 19,200.00
301-2160	Soil-Cement Stabilized Base Course 8 Inches	SY	15,508	\$ 2.68	\$ 41,561.44	SY	15,508	\$ 8.00	\$ 124,064.00	SY	15,508	\$ 7.61	\$ 118,015.88
301-5000	Portland Cement thoroughly mixed to a depth of 10 inches and compacted to at least 98 percent of the standard Proctor maximum dry density	TN	390	\$ 162.61	\$ 63,417.90	TN	390	\$ 108.00	\$ 42,120.00	TN	390	\$ 97.00	\$ 37,850.00
402-3100	Recycled Asphalt Concrete 12.5 MM including Bituminous Material and H-Lime	TN	1,660	\$ 80.30	\$ 133,298.00	TN	1,660	\$ 83.40	\$ 138,444.00	TN	1,660	\$ 80.23	\$ 133,181.80
611-8050	Adjust Manhole to Grade	EA	17	\$ 687.50	\$ 11,687.50	EA	17	\$ 150.00	\$ 2,550.00	EA	17	\$ 250.00	\$ 4,250.00
		SUBTOTAL				SUBTOTAL				SUBTOTAL			
		\$ 278,287.71				\$ 317,178.00				\$ 312,497.68			
<b>BID TOTAL</b>		\$ 369,401.24				\$ 392,702.00				\$ 403,634.23			