

MEMORANDUM

To: Mayor and City Council
From: Michael Smith, Public Works Director
Date: January 13, 2014
Subject: **Discussion of 2014 Paving Plan**

ITEM DESCRIPTION

Discussion of 2014 Paving Plan

BACKGROUND

The City has budgeted \$1,800,000 for street resurfacing in 2014 and will be receiving an additional \$301,445 of state funding through a Local Maintenance and Infrastructure Grant (LMIG). The recommended 2014 paving list in Attachment "A" has been developed based on a total paving budget of \$2,101,000. The list generally follows the recommendations of last year's approved 5-year paving plan with revisions to the previous plan noted.

Normally the City Council has approved an updated 5-year paving plan in conjunction with approval of the annual paving list. However, staff is currently processing the results of a recently completed update to the 2009 citywide pavement condition assessment prior to updating the 5-year plan. The assessment uses a Road Surface Tester (RST) truck equipped with lasers, cameras and other sensors to drive every street in the City and evaluate the extent and nature of cracking, rutting, roughness (ride quality) and other factors such as drainage conditions. These factors are weighted and combined to produce a numerical rating of the pavement condition between 10 (worst) and 100 (best). These ratings provide the basis for prioritizing streets for paving each year.

Staff anticipates that the updated 5-year plan will be ready for presentation at the January 27th City Council Meeting. A working draft of years 2015 through 2017 of the new 5-year plan is included to provide context to this discussion. Staff is still in the process of adding streets for 2018 based on the updated pavement condition ratings.

DISCUSSION

PLAN UPDATES

The City was able to complete a number of roads ahead of schedule in 2013 through competitive bid pricing and supplemental funding provided by Council. Several updates have been made to the paving list based on this progress and the anticipated timing of other capital projects including scheduled water main replacements by DeKalb County.



As noted in Attachment "A", Chamblee Dunwoody Road and Mount Vernon Road are scheduled for water main replacement. The City has been working with County staff for several months and anticipates that the water main replacement will be underway by Spring. Because the water main work is not a City project, staff cannot say with certainty when the work will be completed but it is not likely to be completed along with the City's regular paving. Recognizing that the timing of the paving will likely be sometime towards late Fall 2014 or Spring 2015, funding has been set aside in 2014 to resurface the listed segments of Chamblee Dunwoody Road and Mount Vernon Road. Chamblee Dunwoody Road paving between Valley View Road and Womack Road has been moved up to 2014 to coincide with the water main replacement but the cost for adding bike lanes and curb on this segment has been split between 2014 and 2015.

Other additions to the 2014 list include resurfacing Center Drive, Nandina Lane and the west end of Dunwoody Village Parkway, patching Chamblee Dunwoody between Cotillion Drive and Peeler Road and crack sealing Chamblee Dunwoody north of Roberts. Center Drive, Nandina and Dunwoody Village Parkway have been added based on the most recent pavement rating and their proximity to paving on Chamblee Dunwoody. Nandina Lane will be affected by the water main replacement and will be repaved at the same time as Chamblee Dunwoody Road. Patching has been added on the south end of Chamblee Dunwoody Road to extend the life of this segment until the entire road is resurfaced as part of the recently initiated Georgetown multi-modal improvements project. Crack sealing is a relatively low cost method to preserve the pavement and is recommended on the north end of Chamblee Dunwoody Road.

Segments of North Peachtree Road, Peeler Road and Tilly Mill Road adjacent to the planned intersection improvement project have been moved to future years to coincide with the intersection construction. It is also anticipated that repaving of Tilly Mill Road from North Peachtree Road to Womack will be scheduled to coincide with sidewalk construction on the west side of Tilly Mill.

COMPLETE STREETS ANALYSIS

In accordance with the City's Complete Streets Policy, all of the roads on the 2014 paving list that are included on the bicycle network in the City's Comprehensive Transportation Plan will be evaluated for a bicycle lane retrofit as part of the paving project. The following table summarizes Public Works' preliminary recommendations:

Road	Recommended Approach	Estimated Cost	Paving Retrofit or Future Stand Alone Project
Chamblee Dunwoody Road from Cambridge Dr. to Valley View Road	Widen road on east side to add bike lanes and fill in sidewalk gaps	\$800,000	Stand Alone Project funded in 2014 budget
Chamblee Dunwoody Road from Valley View Road to Womack Road	Widen road on east side to add bike lanes and fill in sidewalk gaps	\$600,000	Paving retrofit funded over two years through paving and/or capital projects budget
Chamblee Dunwoody Road from Womack to Roberts Drive	Widen road to add bike lanes and streetscape as recommended in Village Master Plan	\$1,500,000 (not including streetscape	Future Stand Alone Project

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Mount Vernon Road from Nandina Ln to Dunwoody Village Parkway	Restripe road to incorporate bike lanes	<\$5,000	Paving retrofit
Mount Vernon Road from Dunwoody Village Parkway to 900 feet east	Mark with sharrows after paving, incorporate bike lanes in future streetscape project	\$800,000 for streetscape project	Future Stand Alone Project
Mount Vernon Road from 900 feet east of Dunwoody Village Parkway to Mount Vernon Way	Restripe road to incorporate bike lanes	<\$5,000	Paving retrofit
Mount Vernon Road from Mount Vernon Way to Vernon Oaks Drive	Move curb on south side of roadway to add bike lanes and sidewalk	\$150,000	Paving Retrofit supplemented with sidewalk funds

Additionally, staff recommends reducing Perimeter Center Place from two lanes in each direction to one lane in each direction with a center turn lane and bike lanes. A traffic analysis completed last year demonstrates that three lanes can comfortably accommodate the existing and future traffic. As a final check, the traffic study will be updated this spring to account for higher occupancy at the Terraces office building. The lane reduction can be accomplished with minimal costs through restriping and will allow for the installation of refuge islands for pedestrians crossing from the Terraces to the restaurants and shopping center on the west side of the road.

With Council's approval staff will thoroughly evaluate and design the retrofits described above for Chamblee Dunwoody Road, Mount Vernon Road and Perimeter Center Parkway and will incorporate them into the final bid documents for paving in 2013 wherever feasible.

RECOMMENDED ACTION

Staff recommends approval of the 2014 paving list. Upon approval, Public Works will begin preparing more detailed construction estimates and bid documents for paving.

ATTACHMENT "A"
5-YEAR CAPITAL PAVING PLAN

Street	From	To	Length	Strategy	Estimated Cost	Cumulative by Year	Notes
2014							
CHAMBLEE DUNWOODY RD	CAMBRIDGE DR	VALLEY VIEW DR	3277	Mill, Patch and Overlay 1.5"	\$ 100,000	\$ 100,000	AC Pipe Replacement
CHAMBLEE DUNWOODY RD.	VALLEY VIEW RD	WOMACK RD	2215	Mill, Patch and Overlay 2"	\$ 158,000	\$ 258,000	Moved up from 2017
CHAMBLEE DUNWOODY RD	WOMACK RD	ROBERTS DR	3997	Mill, Patch and Overlay 2"	\$ 378,000	\$ 636,000	AC Pipe Replacement
CENTER DR	CHAMBLEE DUNWOODY	END	561	Mill, Patch and Overlay 2"	\$ 28,000	\$ 664,000	Added
MOUNT VERNON RD	ASHFORD DUNWOODY RD	CHAMBLEE DUNWOODY	1116	Mill, Patch and Overlay 2.5"	\$ 135,000	\$ 799,000	AC Pipe Replacement
MOUNT VERNON RD	CHAMBLEE DUNWOODY	VERNON OAKS DR	4209	Mill, Patch and Overlay 1.5"	\$ 342,000	\$ 1,141,000	AC Pipe Replacement
NANDINA LN	CHAMBLEE DUNWOODY	MOUNT VERNON RD	535	Mill, Patch and Overlay 2"	\$ 30,000	\$ 1,171,000	Added, AC Pipe Replacement
PERIMETER CENTER PL	PERIMETER CENTER W	MEADOW LANE RD	1911	Mill, Patch and Overlay 2.5"	\$ 249,000	\$ 1,420,000	
DUNWOODY VILLAGE PKWY	CHAMBLEE DUNWOODY RD	SOUTH END	450	Mill, Patch and Overlay 2"	\$ 21,000	\$ 1,441,000	
TAMASSEE CT	N PEACHTREE RD	END	723	Deep Patch and Pave	\$ 32,000	\$ 1,473,000	
LURAY CT	LURAY DR	END	964	Deep Patch and Pave	\$ 44,000	\$ 1,517,000	
FRONT ROYAL CT	LURAY DR	END	337	Deep Patch and Pave	\$ 12,000	\$ 1,529,000	
CHERRING LN	PEELER RD	CHERRING DR	1238	Deep Patch and Pave	\$ 35,000	\$ 1,564,000	
CHERRING DR	PEELER RD	TILLY MILL RD	1666	Deep Patch and Pave	\$ 50,000	\$ 1,614,000	
VERDON CT	VERDON DR	END	241	Deep Patch and Pave	\$ 8,000	\$ 1,622,000	
BORDEAU CT	VERDON DR	END	590	Deep Patch and Pave	\$ 18,000	\$ 1,640,000	
VERMACK RIDGE	VERMACK RD	END	1112	Deep Patch and Pave or FDR	\$ 57,000	\$ 1,697,000	AC Pipe Replacement
CHAMBLEE DUNWOODY RD	COTILLION DR	PEELER RD	3426	Patching & Crack Sealing	\$ 18,000	\$ 1,189,000	
CHAMBLEE DUNWOODY RD	ROBERTS DR	SPALDING DR		Crack Seal	\$ 31,000	\$ 1,728,000	
CHAMBLEE DUNWOODY	VALLEY VIEW TO WOMACK BIKE LANES				\$ 175,000	\$ 1,903,000	Partial Funding
					9%	\$ 198,445	
					City Funding	\$ 1,800,000	
Contingency					LMIG Funding	\$ 301,445	
					2014 Total	\$ 2,101,445	

ATTACHMENT "A"
5-YEAR CAPITAL PAVING PLAN

Street	From	To	Length	Strategy	Estimated Cost	Cumulative by Year	Notes
2015							
TILLY MILL RD	500 FT. W. N. PEACHTREE	WOMACK RD	2748	Mill, Patch and Overlay 1.5"	\$ 146,000	\$ 146,000	Deferred from 2014 for intersection and sidewalk projects
TILLY MILL RD	PEELER RD	500 FT. E. OF N. PEACHTR	1315	Mill, Patch and Overlay 1.5"	\$ 53,000	\$ 199,000	Deferred from 2014
N PEACHTREE RD	WELTON PL	DELVERTON DR	2363	Mill, Patch and Overlay 1.5"	\$ 120,000	\$ 319,000	Deferred from 2014 for intersection project
VERMACK RD	MOUNT VERNON RD	WOMACK RD	2864	Mill, Patch and Overlay 2"	\$ 207,000	\$ 526,000	
VALLEY VIEW DR	ASHFORD DUNWOODY	CHAMBLEE DUNWOODY	3660	Deep Patch and Pave	\$ 159,000	\$ 685,000	
VANDERLYN DR	VERMACK RD	END	2339	Deep Patch and Pave	\$ 96,000	\$ 781,000	AC Pipe
INDEPENDENCE SQ	PEELER RD	CHAMBLEE DUNWOODY F	950	Deep Patch and Pave	\$ 40,000	\$ 821,000	Added based on new rating
HIDDEN BRANCHES DR	TRAILRIDGE LN	TWIN BRANCHES WY	1617	Deep Patch and Pave	\$ 82,000	\$ 903,000	AC Pipe
HIDDEN BRANCHES DR	TWIN BRANCHES WAY	WINDING BRANCH	1459	Deep Patch and Pave	\$ 58,000	\$ 961,000	AC Pipe
HIDDEN BRANCHES DR	MOUNT VERNON RD	TRAILRIDGE LN	1343	Deep Patch and Pave	\$ 53,000	\$ 1,014,000	AC Pipe
PINE BARK CT	HIDDEN BRANCHES DR	END	508	Deep Patch and Pave	\$ 16,000	\$ 1,030,000	AC Pipe
PINE BARK LN	WINDING BRANCH CI	END	221	Deep Patch and Pave	\$ 14,000	\$ 1,044,000	AC Pipe
CLARIDGE CT	SUDBURY RD	END	261	Deep Patch and Pave	\$ 16,000	\$ 1,060,000	AC Pipe
WELLSHIRE LN	WELLSHIRE PL	END	1076	Deep Patch and Pave	\$ 54,000	\$ 1,114,000	AC Pipe
EQUESTRIAN CT	EQUESTRIAN WAY	END	231	Deep Patch and Pave	\$ 9,000	\$ 1,123,000	
THE WOODSONG	WOODSONG DR	END	257	Deep Patch and Pave	\$ 16,000	\$ 1,139,000	
WOODSONG CT	WOODSONG TRL	END	1010	Deep Patch and Pave or FDR	\$ 57,000	\$ 1,196,000	AC Pipe
WOODSONG TR	DUNWOODY CLUB DR	DUNWOODY CLUB DR	2518	Deep Patch and Pave or FDR	\$ 117,000	\$ 1,313,000	AC Pipe
WOODSONG DR	WOODSONG TRL	END	1442	Deep Patch and Pave	\$ 55,000	\$ 1,368,000	AC Pipe
WITHMERE CT	WITHMERE WAY	END	185	Deep Patch and Pave	\$ 17,000	\$ 1,385,000	AC Pipe
RESTON CT	WITHMERE WAY	END	462	Deep Patch and Pave	\$ 25,000	\$ 1,410,000	AC Pipe
CHAMBLEE DUNWOODY BIKE LANES					\$ 300,000	\$ 1,710,000	Remaining Funding
Contingency					19%	\$ 390,000	
				2015 Total		2100000	

ATTACHMENT "A"
5-YEAR CAPITAL PAVING PLAN

Street	From	To	Length	Strategy	Estimated Cost	Cumulative by Year	Notes
2016							
ASHFORD DUNWOODY RD	HAMMOND DR	PERIMETER CENTER E	2251	Mill, Patch and Overlay 1.5"	\$ 220,000	\$ 220,000	
TILLY MILL RD	WOMACK RD	MOUNT VERNON RD	4858	Mill, Patch and Overlay 1.5"	\$ 256,000	\$ 476,000	
DUNWOODY CLUB DR	BROOKE FARM DR	HAPPY HOLLOW RD	5182	Mill, Patch and Overlay 2"	\$ 143,500		Assumes 1/2 cost paid by
						\$ 619,500	COSS
MOUNT VERNON RD	CORNERS DR	WELLESLEY LN	4003	Mill, Patch and Overlay 2"	\$ 300,000	\$ 919,500	AC Pipe
MOUNT VERNON RD	WELLESLEY LN	SAFFRON DR	2307	Mill, Patch and Overlay 2"	\$ 177,000	\$ 1,096,500	AC Pipe
JETT FERRY RD	MOUNT VERNON RD	DUNWOODY CLUB DR	960	Mill, Patch and Overlay 2"	\$ 56,000	\$ 1,152,500	Added
N PEACHTREE RD	BARCLAY DR	300 FT. S. OF PEELER RD	600	Mill, Patch and Overlay 2.5"	\$ 57,000	\$ 1,209,500	Deferred from 2014
BARCLAY DR	PEACHFORD RD	N PEACHTREE RD	2960	Mill, Patch and Overlay 1.5"	\$ 137,000	\$ 1,346,500	Added
PEELER RD	ADAMS RD	400 FT. W. OF N PEACHTR	3484	Mill, Patch and Overlay 1.5"	\$ 145,000	\$ 1,491,500	Deferred from 2014
DEVEREAUX CT	VERNON SPRINGS DR	END	307	Full Depth Reclamation	\$ 21,000	\$ 1,512,500	Added
DAMON PL	DAMON CT	END	251	Deep Patch and Pave	\$ 19,000	\$ 1,531,500	Added
DAMON CT	VERNON SPRINGS DR	END	1050	Deep Patch and Pave	\$ 46,000	\$ 1,577,500	Added
DUNKERRIN LN	TILLY MILL RD	DUNKERRIN CIR	1056	Full Depth Reclamation	\$ 52,000	\$ 1,629,500	
LEDGEWOOD DR	RIVERGLENN CIR	DUNOVER CIR	525	Full Depth Reclamation	\$ 30,000	\$ 1,659,500	
CLARIDGE SQ	DUNWOODY CLUB DR	END	611	Deep Patch and Pave	\$ 24,000	\$ 1,683,500	
					20%	\$ 416,500	
				2016 Total		\$ 2,100,000	
2017							
HAMMOND DR	ASHFORD DUNWOODY RD	WEST CITY LIMIT	2758	Mill, Patch and Overlay 1.5"	\$ 268,108	\$ 268,108	
CHAMBLEE DUNWOODY RD	PEELER RD	CAMBRIDGE DR	2207	Mill, Patch and Overlay 1.5"	\$ 136,748	\$ 404,857	AC Pipe
NORTH PEACHTREE RD	DELVERTON DR	MOUNT VERNON RD	6616	Mill, Patch and Overlay 1.25"	\$ 207,763	\$ 612,620	
PEELER RD	WINTERS CHAPEL RD	TILLY MILL RD	6029	Slurry Seal	\$ 65,650	\$ 678,269	
WOMACK RD	CHAMBLEE DUNWOODY	VERMACK RD	9571	Mill, Patch and Overlay 1.5"	\$ 369,000	\$ 1,047,269	Deferred from 2016, AC Pipe
DUNWOODY PARK S	DUNWOODY PARK	COTILLION DR	1238	Mill, Patch and Overlay 1.5"	\$ 49,000	\$ 1,096,269	Added
MANGET WAY	CHAMBLEE DUNWOO	ASHFORD WALK	1208	Deep Patch and Pave	\$ 71,459	\$ 1,167,728	
BRENDON DR	N PEACHTREE RD	DAVANTRY	2838	Deep Patch and Pave	\$ 73,000	\$ 1,240,728	AC Pipe
SANCROFF CT	N PEACHTREE RD	END	452	Deep Patch and Pave	\$ 27,000	\$ 1,267,728	
WATERTON CT	N PEACHTREE RD	END	370	Deep Patch and Pave	\$ 31,000	\$ 1,298,728	
WICKFORD WAY	WOMACK RD	MOUNT VERNON RD	1762	Deep Patch and Pave	\$ 66,000	\$ 1,364,728	AC Pipe
HEATHERDALE LN	COLDSTREAM DR	END	2171	Deep Patch and Pave	\$ 103,000	\$ 1,467,728	
MCBAIN LN	COLDSTREAM DR	MACLAREN CIR	1030	Deep Patch and Pave	\$ 54,000	\$ 1,521,728	
WINDON CT	HEATHERDALE LN	END	521	Deep Patch and Pave	\$ 22,000	\$ 1,543,728	
BETHESDA CT	BETHESDA TRL	END	310	Deep Patch and Pave	\$ 25,000	\$ 1,568,728	Added
BETHESDA TRL	OLD SPRING HOUSE LN	END	819	Deep Patch and Pave	\$ 51,000	\$ 1,619,728	Added
BISHOP HOLLOW CT	BISHOP HOLLOW RD	END	294	Deep Patch and Pave	\$ 23,000	\$ 1,642,728	Added
BISHOP HOLLOW RUN	OLD SPRING HOUSE LN	CONGRESS CIR	1271	Deep Patch and Pave	\$ 68,000	\$ 1,710,728	Added
Contingency					19%	\$ 389,272	
				2017 Total		\$ 2,100,000	

2014 Paving Plan

-  Preventative maintenance
-  Scheduled Paving
-  Street Centerlines
-  City Limits

