
MEMORANDUM

To: Mayor and City Council

From: Michael Smith, Public Works Director

Date: 4/11/2011

Subject: **Discussion of 5-year Paving Plan**

ITEM DESCRIPTION

Discussion of the updated 5-year Paving Plan

BACKGROUND

In 2010, Public Works presented a 5-year paving plan based on a pavement condition assessment of all of the public streets within the City. The assessment provided an objective evaluation of the City's pavement conditions and recommended strategies for future pavement maintenance. One strategy recommended was to budget \$2.5 to \$3 million annually for paving to improve overall conditions and begin to work through the 13% backlog of roads in poor condition.

PLAN DEVELOPMENT

Public Works developed the 2010 five year paving plan with a budget of \$740,000 for paving in 2010 and \$2,750,000 annually between 2011 and 2014. The updated five year plan presented in Attachment "A" has changed significantly from the 2010 plan based on the following factors:

- The annual budget number has been adjusted to \$2,000,000. This figure represents what is currently thought to be a sustainable budget number based on City financial projections. In 2011, the total budget number is comprised of \$1,800,000 in City funds and an anticipated \$200,000 in Local Maintenance and Infrastructure Grant (LMIG) funding from the state.
- Paving costs in 2010 were well below estimates which allowed the City to move the paving of several streets forward from 2011 to 2010.
- Since the initial plan was completed, the City has completed 3 master plans that include a number of transportation infrastructure projects. The main thoroughfares have been reprioritized to defer paving on street segments where other improvements are contemplated in the short term. I anticipate that this reprioritization will be necessary for the next few cycles as the funding picture for these infrastructure projects becomes clearer.

The targeted budget allocation for each year follows the approach adopted by Council in 2010 which is 70% of the funding for the most heavily traveled roads that provide the

greatest user benefit, 10% for neighborhood streets, 10% for bidding/asphalt price contingency and 10% for construction contingency. The funding allocation is based on two principals:

1. Paving the main thoroughfares frequently prevents the road from deteriorating to a point where it has to be reconstructed. As the condition of the road worsens it becomes more expensive to improve and the most heavily traveled roads are the most costly to reconstruct.
2. Paving the most heavily traveled thoroughfares benefits the greatest number of citizens.

As was the case in 2010 any unused contingency will be allocated to paving additional residential streets.

RECOMMENDED ACTION

Staff recommends approval of the five year paving plan as presented.

ATTACHMENT "A"
2011-2015 ROAD RESURFACING PLAN

Street	From	To	Length (feet)	Estimated Cost	Cumulative by Year
2011					
MEADOW LANE RD	ASBURY SQUARE N	WALMART CTR	1500	\$ 130,000	\$ 130,000
N SHALLOWFORD RD	COTILLION DR	PEELER RD	4524	\$ 343,000	\$ 473,000
N. PEACHTREE RD.	BROOKHURST DR	BARCLAY RD	2550	\$ 136,000	\$ 609,000
PEACHFORD DR	N SHALLOWFORD RD	DUNBAR DR	2278	\$ 110,000	\$ 719,000
PEELER RD	CHAMBLEE DUNWOODY	ADAMS RD	3175	\$ 151,000	\$ 870,000
PERIMETER CENTER N	MEADOW LANE RD	ASHFORD DUNWOODY	789	\$ 63,000	\$ 933,000
ROBERTS DR	CHAMBLEE DUNWOODY	NORTH CITY LIMITS	6480	\$ 349,000	\$ 1,282,000
TILLY MILL RD	STONINGTON RD	PEELER RD	4130	\$ 210,000	\$ 1,492,000
FLEUR DE LIS CT	FONTAINEBLEAU DR	END	1076	\$ 44,000	\$ 1,536,000
HENSLEY DR	VANDERLYN DR	TRUMBULL DR	1752	\$ 64,000	\$ 1,600,000
HOLLISTON CT	HOLLISTON RD	END	200	\$ 12,000	\$ 1,612,000
MANHASSET FARM CT	EAST END	WEST END	642	\$ 28,000	\$ 1,640,000
TENNILLE CT	HALLFORD DR	END	373	\$ 23,000	\$ 1,663,000
TROWBRIDGE DR	BALL MILL DR	VERNON LAKE DR	2534	\$ 92,000	\$ 1,755,000
RALSTON CT	WHITMERE WAY	END	247	\$ 18,000	\$ 1,773,000
STRASBURG CT	LURAY DR	END	402	\$ 19,000	\$ 1,792,000
CHATEAU CT	CHATEAU DR	END	237	\$ 14,000	\$ 1,806,000
Contingency				10%	\$ 194,000
					\$ 2,000,000
2012					
CHAMBLEE DUNWOODY	PEELER RD	NERINE CIRCLE	6161	\$ 323,000	\$ 323,000
CHAMBLEE DUNWOODY	NERINE CIRCLE	MOUNT VERNON RD	2802	\$ 203,000	\$ 526,000
CHAMBLEE DUNWOODY	MOUNT VERNON RD	ROBERTS DR	2733	\$ 230,000	\$ 756,000
DUNWOODY CLUB DR	BROOKE FARM DR	HAPPY HOLLOW RD	5182	\$ 140,000	\$ 896,000
MOUNT VERNON RD	NANDINA LN	CHAMBLEE DUNWOODY	366	\$ 46,000	\$ 942,000
MOUNT VERNON RD	CHAMBLEE DUNWOODY	MANHASSET DR	4872	\$ 344,000	\$ 1,286,000
NANDINA LN	MT VERNON RD	CHAMBLEE DUNWOODY	535	\$ 21,000	\$ 1,307,000
TILLY MILL RD	PEELER RD	N PEACHTREE RD	1815	\$ 79,000	\$ 1,386,000
WINTERS CHAPEL RD	CHARMANT PL	JONES MILL RD	1505	\$ 84,000	\$ 1,470,000
BENTBROOK DR	LAKESIDE DR	BENTBROOK CT	945	\$ 36,000	\$ 1,506,000
BENTBROOK CT	BENTBROOK DR	END	480	\$ 23,000	\$ 1,529,000
EIDSON RD	ANDOVER DR	END	965	\$ 41,000	\$ 1,570,000
KINGSLAND CT	HAPPY HOLLOW RD	END	756	\$ 35,000	\$ 1,605,000
FOX HOLLOW CT	KINGSLAND DR	END	561	\$ 31,000	\$ 1,636,000
Contingency				18%	\$ 364,000
					\$ 2,000,000

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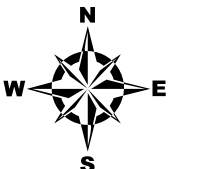
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2013					
ASHFORD CENTER PKWY	ASHFORD DUNWOODY	CHAMBLEE DUNWOODY	2993	\$ 360,000	\$ 360,000
MOUNT VERNON RD	WEST CITY LIMIT	NANDINA LN	4881	\$ 317,000	\$ 677,000
MOUNT VERNON RD	MANHASSET DR	WELLESLEY LN	4683	\$ 306,000	\$ 983,000
MOUNT VERNON RD	WELLESLEY LN	SAFFRON DR	2307	\$ 151,000	\$ 1,134,000
SPALDING DR	CHAMBLEE DUNWOODY	WELDSTONE CT	1373	\$ 62,000	\$ 1,196,000
WINTERS CHAPEL	PEELER RD	WINTERHAVEN CT	2200	\$ 192,000	\$ 1,388,000
LAKESPRINGS CIR	LAKESPRINGS DR	END	175	\$ 12,000	\$ 1,400,000
LAKESPRINGS CT	LAKESPRINGS DR	END	508	\$ 26,000	\$ 1,426,000
KINGS DOWN WAY	N SPRINGS DR	KINGS DOWN CIRC	469	\$ 20,000	\$ 1,446,000
DURRETT CT	DURRETT DR	END	353	\$ 24,000	\$ 1,470,000
DURRETT WAY	WOODSONG DR	DURRETT DR	1478	\$ 60,000	\$ 1,530,000
FOXCREEK CT	KINGSGLEN CT	END	331	\$ 18,000	\$ 1,548,000
W. FONTAINEBLEAU CT	HAPPY HOLLOW RD	END	379	\$ 20,000	\$ 1,568,000
CHRISTOPHER CT	FONTAINEBLEAU DR	END	375	\$ 20,000	\$ 1,588,000
ASHMONT CT	MOUNT VERNON RD	END	508	\$ 25,000	\$ 1,613,000
GRENOBLE CT	FONTAINEBLEAU D	END	250	\$ 15,000	\$ 1,628,000
Contingency				19%	\$ 372,000
				2013 Total	\$ 2,000,000
2014					
FONTAINEBLEAU WY	WINTERS CHAPEL	FONTAINEBLEAU DR	231	\$ 10,000	\$ 10,000
N PEACHTREE RD	BARCLAY DR	TILLY MILL RD	1396	\$ 101,000	\$ 111,000
PEELER RD	ADAMS RD	N PEACHTREE RD	3884	\$ 192,000	\$ 303,000
PERIMETER CENTER E	ASHFORD DUNWOODY	ASHFORD DUNWOODY	6415	\$ 579,000	\$ 882,000
PERIMETER CENTER PL	PERIMETER CENTER WE	MEADOW LANE RD	1911	\$ 169,000	\$ 1,051,000
TILLY MILL RD	N PEACHTREE RD	WOMACK RD	3248	\$ 204,000	\$ 1,255,000
VERMACK RD	MANHASSET DR	WOMACK RD	2864	\$ 166,000	\$ 1,421,000
SANLEE LANE	SUMAC DR	END	894	\$ 46,000	\$ 1,467,000
STRATHAM DR	MOUNT VERNON RD	END	1304	\$ 59,000	\$ 1,526,000
ARRIE WAY	SUMAC DR	END	904	\$ 46,000	\$ 1,572,000
VERDON CT	VERDON DR	END	241	\$ 19,000	\$ 1,591,000
BORDEAU CT	VERDON DR	END	590	\$ 30,000	\$ 1,621,000
Contingency				19%	\$ 379,000
				2014 Total	\$ 2,000,000

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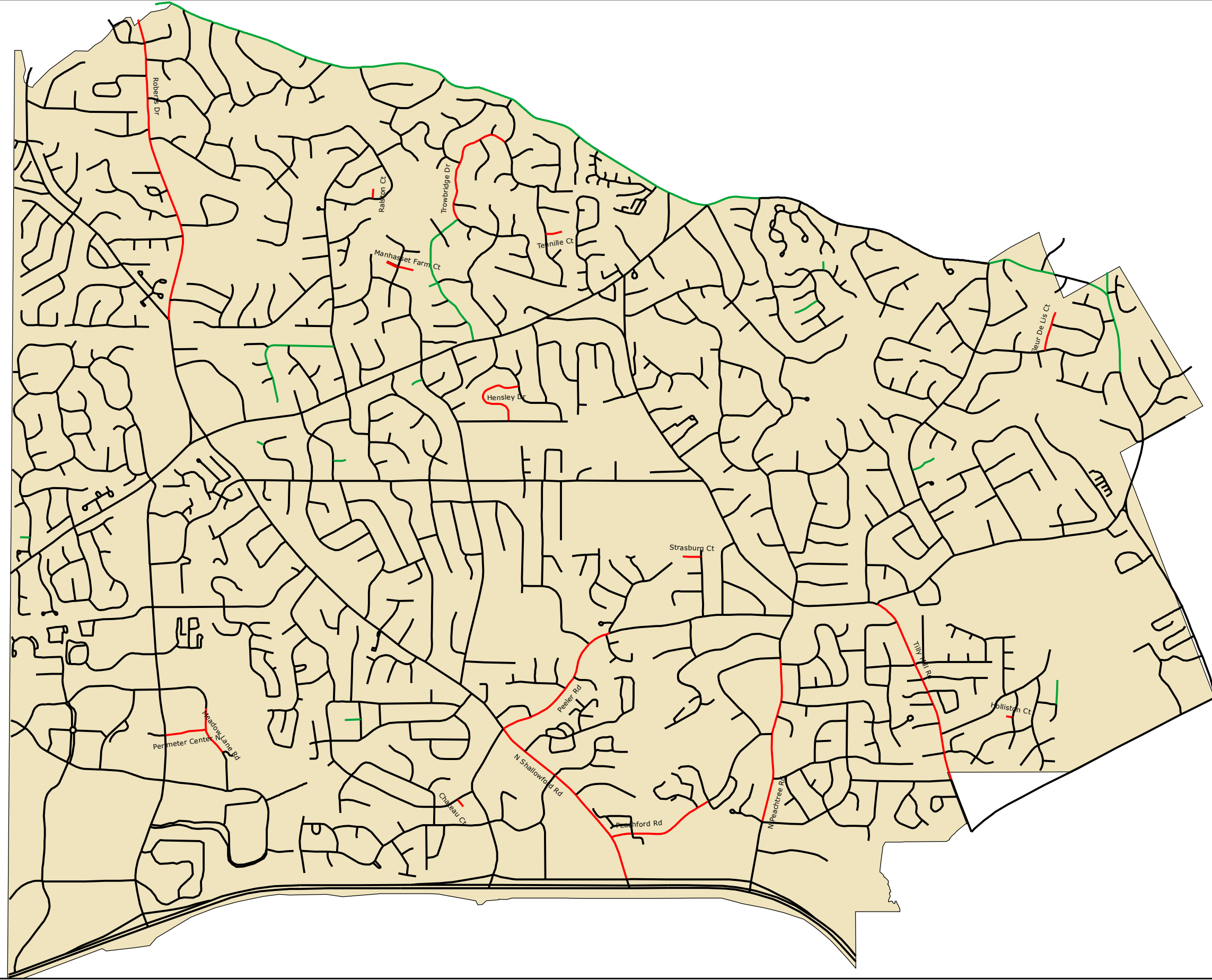
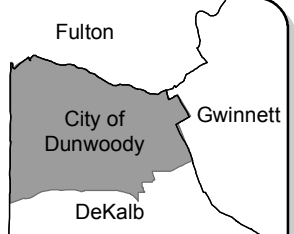
Street	From	To	Length	Estimated Cost	Cumulative by Year
2015					
CHAMBLEE DUNWOODY	COTILLION DR	PEELER RD	3426	\$ 237,000	\$ 237,000
DUNWOODY PARK	CHAMBLEE DUNWOODY	N SHALLOWFORD	2257	\$ 110,000	\$ 347,000
FONTAINEBLEU DR	HAPPY HOLLOW RD	FONTAINEBLEU WAY	3277	\$ 148,000	\$ 495,000
HIDDEN BRANCHES DR	TRAILRIDGE LN	TWIN BRANCHES WAY	1617	\$ 73,000	\$ 568,000
MEADOW LANE RD	SHOPPING MALL S	CROWN POINTE PK	2099	\$ 191,000	\$ 759,000
N PEACHTREE RD	COTILLION DR	BROOKHURST DR	1297	\$ 96,000	\$ 855,000
PEACHFORD RD	DUNBAR DR	N PEACHTREE RD	2085	\$ 141,000	\$ 996,000
TROWBRIDGE DR	HALLFORD DR	BALL MILL RD	1386	\$ 63,000	\$ 1,059,000
VERMACK RD	WOMACK RD	CHAMBLEE DUNWOODY	4379	\$ 263,000	\$ 1,322,000
VERMACK RIDGE	VERMACK RD	END	1132	\$ 55,000	\$ 1,377,000
MILL RACE CT	MILL TRACE DR	END	373	\$ 22,000	\$ 1,399,000
LITTLEBROOKE CT	LITTLEBROOKE DR	END	297	\$ 19,000	\$ 1,418,000
CHARMANT PL	WINTERS CHAPEL RD	END	944	\$ 55,000	\$ 1,473,000
CLARIDGE CT	SUDBURY RD	END	261	\$ 17,000	\$ 1,490,000
VINTAGE LN	HUNTINGTON CI	END	343	\$ 21,000	\$ 1,511,000
TICHENOR CT	VERNON OAKS DR	END	420	\$ 25,000	\$ 1,536,000
BROUGHTON CT	VERNON OAKS DR	END	464	\$ 27,000	\$ 1,563,000
EQUESTRIAN CT	EQUESTRIAN WAY	END	231	\$ 16,000	\$ 1,579,000
PINE BARK LN	WINDING BRANCH CI	END	221	\$ 16,000	\$ 1,595,000
Contingency				20%	\$ 405,000
				2015 Total	\$ 2,000,000

Legend

-  Dunwoody City Limits
-  Roads
-  Proposed 2011 Paving
-  Past Paving



0 1,000 2,000 Feet



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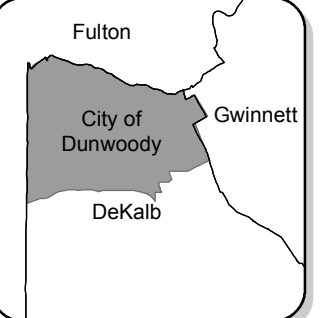
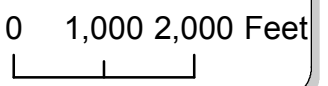
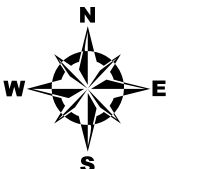
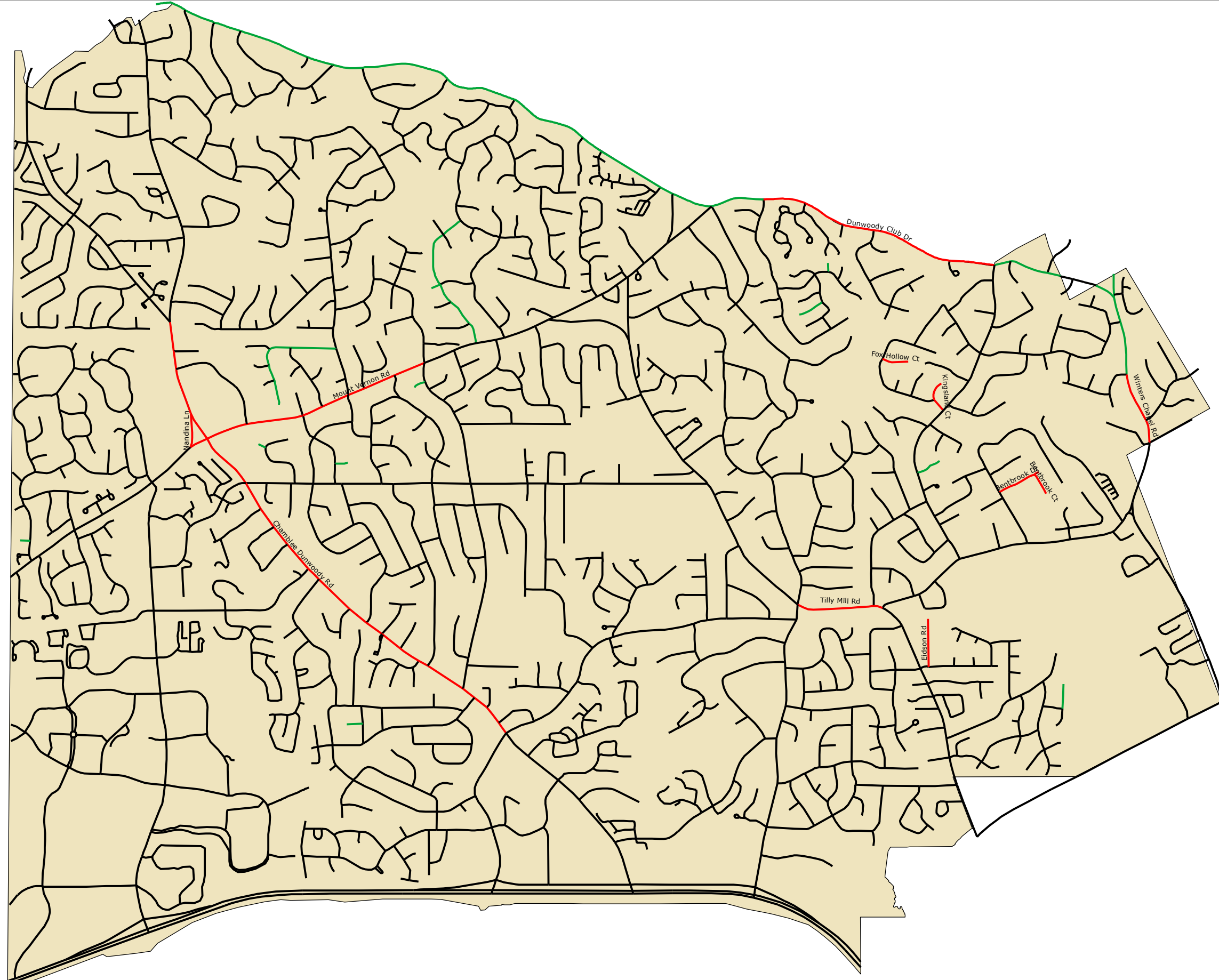
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Legend

-  Dunwoody City Limits
-  Roads
-  Proposed 2012 Paving
-  Past Paving



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



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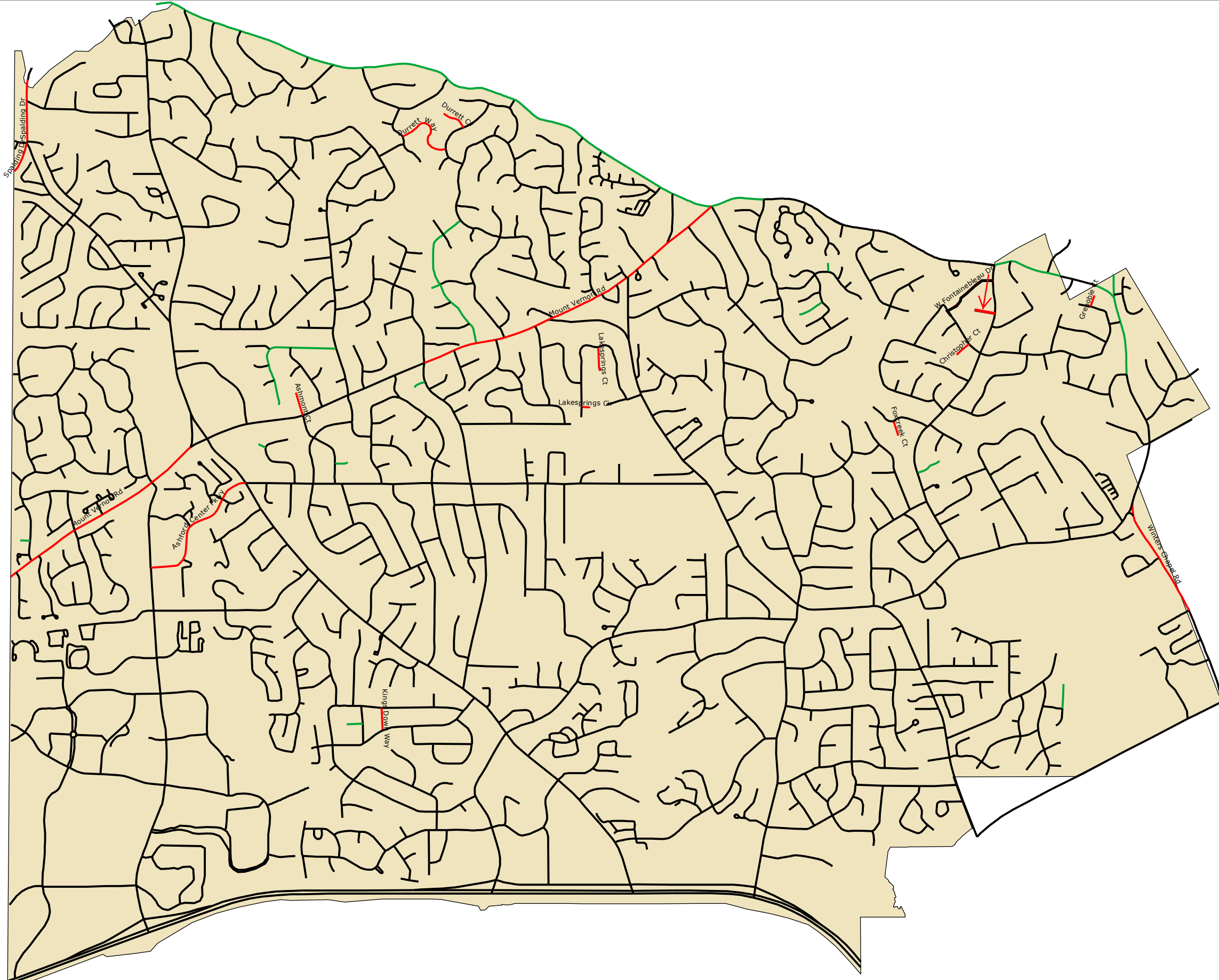
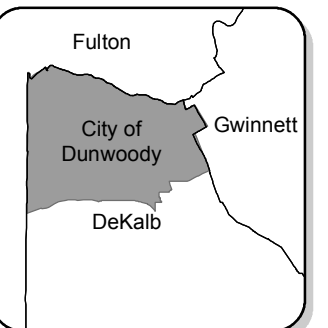
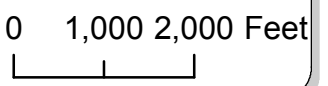
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



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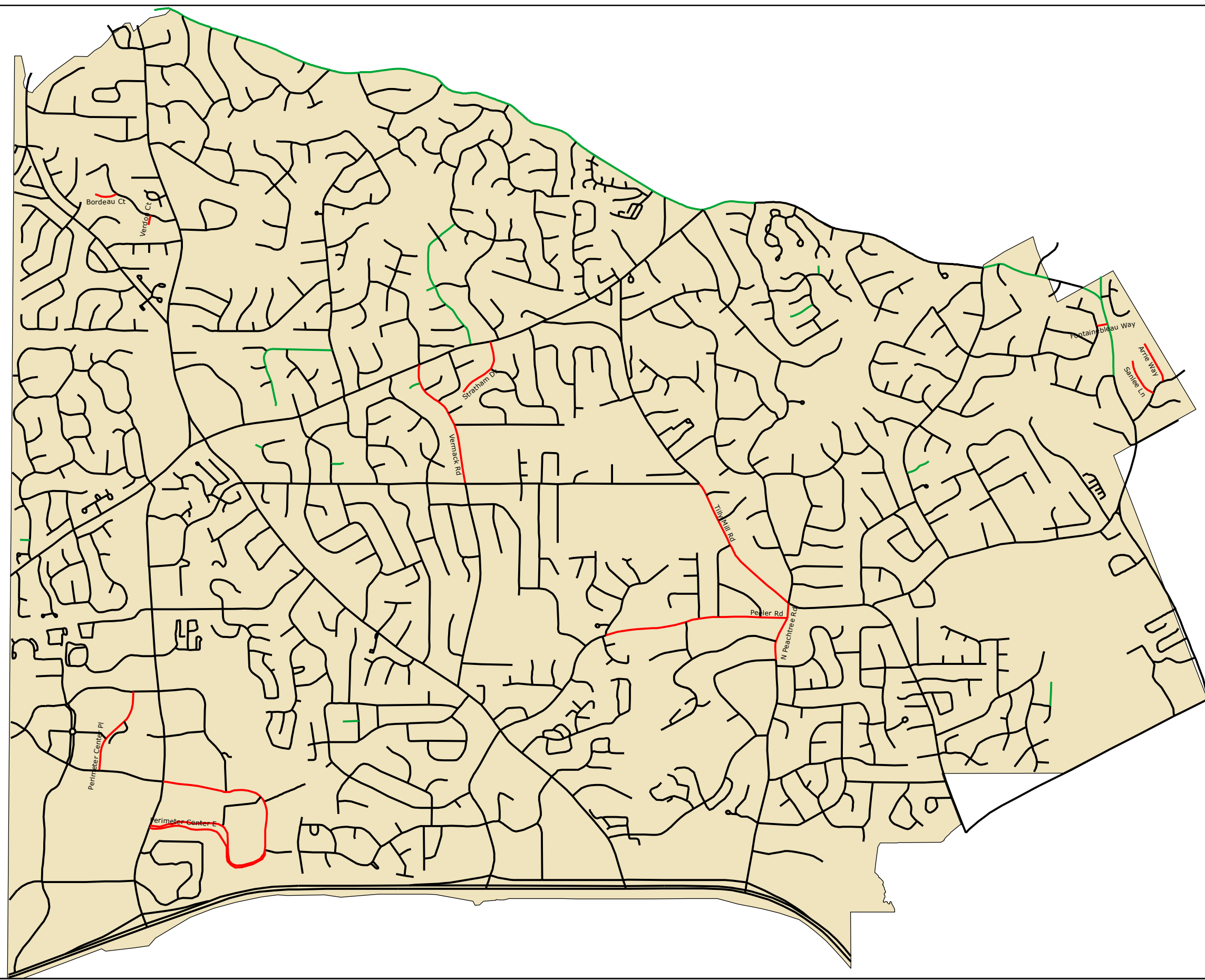
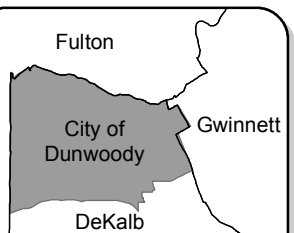
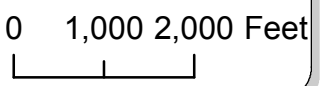
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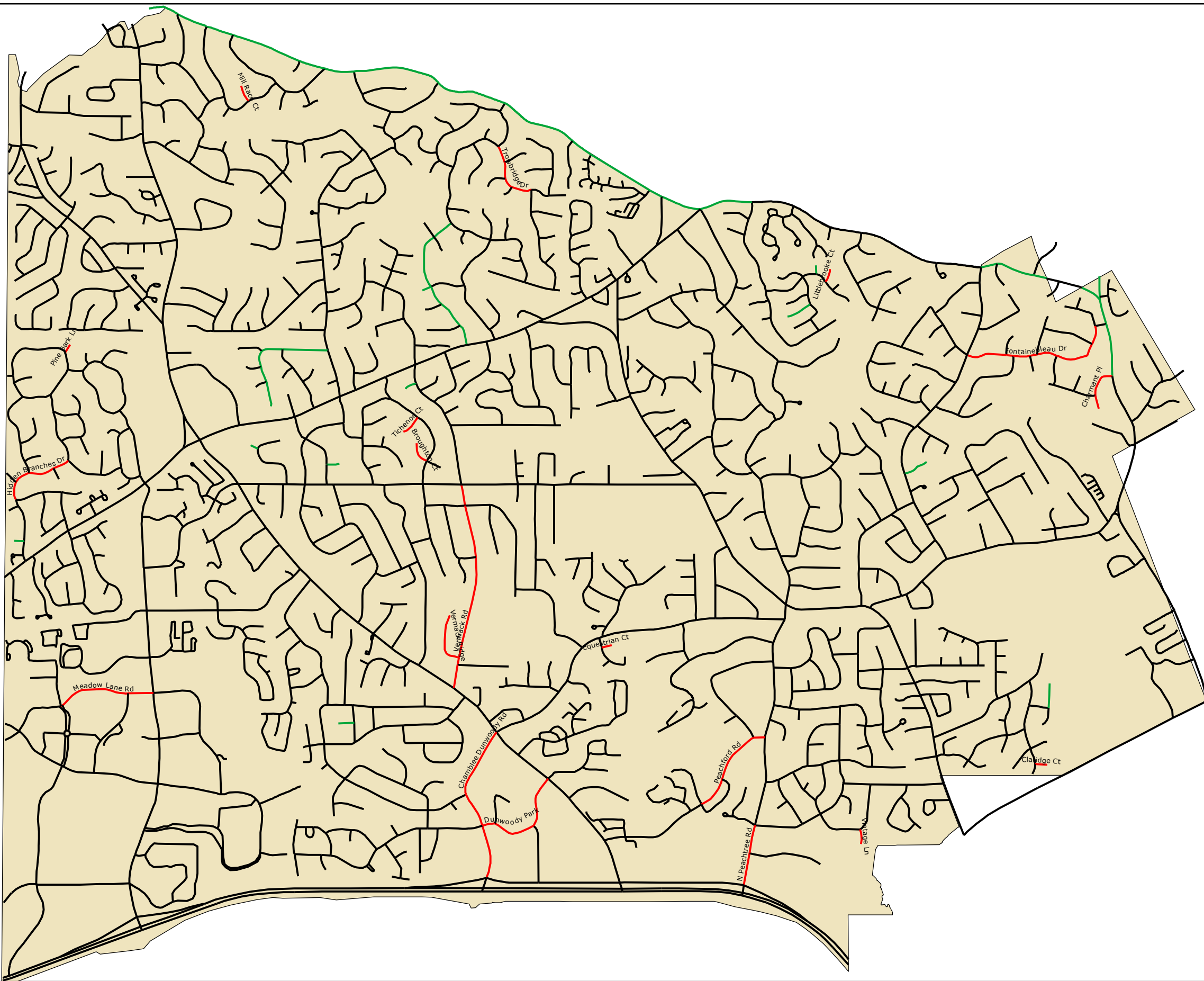
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Dunwoody*
*Smart people - Smart city

City of Dunwoody
Public Works

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Dunwoody, GA 30346-1902
678-382-6850 ~ www.dunwoodyga.gov

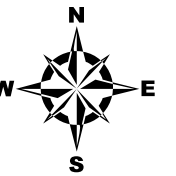
Road Map

**Proposed 5-Year
Paving Plan
2015**

April 5, 2011

Legend

- Dunwoody City Limits
- Roads
- Proposed 2015 Paving
- Past Paving



0 1,000 2,000 Feet



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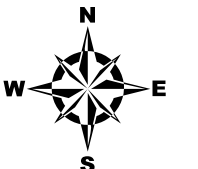
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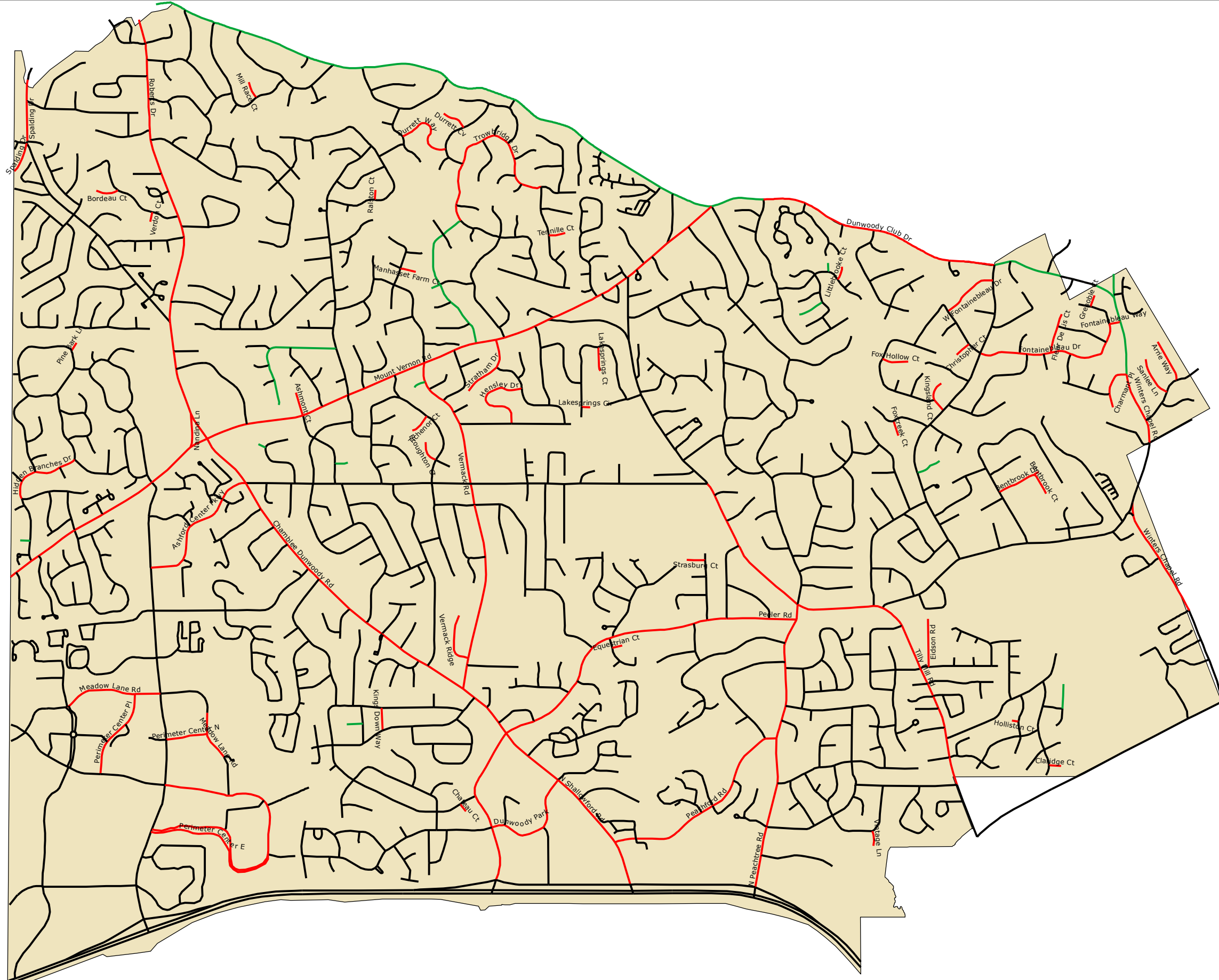
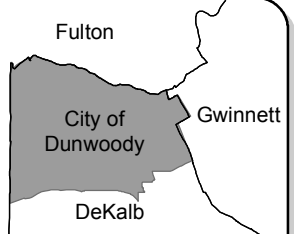
PAV-! #F.3.

Legend

-  Dunwoody City Limits
-  5 Year Paving Plan
-  Roads
-  Past Paving



0 1,000 2,000 Feet



-195-

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