



The Town of Leesburg
INTEROFFICE MEMORANDUM
DEPARTMENT OF PUBLIC WORKS

TO: Kaj Dentler, Town Manager

FROM: Thomas A. Mason, P.E., Director of Public Works

DATE: October 6, 2014

RE: Fiscal Year 2015 Annual Program for Street Milling, Resurfacing, Concrete Repairs and Handicap Ramp Installations

Each year, the Town contracts for resurfacing with asphaltic concrete, a portion of the streets in its transportation system. The purpose of resurfacing the streets is to provide a new wearing surface to protect our investment in the infrastructure already in place, by limiting deterioration due to oxidation and exposure to weather and wear, and to add to the strength of the pavement section.

The key to realizing savings in road repair costs is timely maintenance. By following a regular schedule of resurfacing, streets do not deteriorate to the point that costly reconstruction is the only remedy.

Since 1992, the Federal Government and the Virginia Department of Transportation (VDOT) required a system for allocating funds for pavement maintenance, which eliminated political consideration and personal preference to ensure that funds were applied and appropriately spent. In response, the Town implemented an automated pavement management system. This system determines the priority for required maintenance based on data relative to the type of street, traffic volume and condition of the pavement. The condition of the pavement is determined by a detailed nineteen point physical inspection.

The Town Council authorized for FY2015 a road maintenance program which provides a comprehensive approach to street maintenance and includes allowances totaling \$750,000 for street resurfacing and pavement milling, \$104,500 for concrete repairs, and \$30,000 for handicap ramp installation.

The Town applied for \$163,000 in revenue sharing funds for milling and resurfacing from the Virginia Department of Transportation (VDOT). We were awarded the full amount. These funds will be used as part of the \$750,000 for street resurfacing and pavement milling. This will save the General Fund \$163,000. We plan to apply for more revenue sharing funds for road maintenance for FY2016.

Based on the most current assessment of the condition of Town streets, the Public Works Department plans to mill and repair the following for the FY2015 program:

<u>Name of Street and Limits</u>	<u>Estimated Milling Cost</u>	<u>Estimated Paving Cost</u>	<u>Estimated Total Cost</u>	<u>PCI 2014</u>	<u>PCI Previous</u>
1. Battlefield Pkwy. (Rt. 15 Bypass to Plaza St. EBL)	\$ 10,267.00	\$ 49,392.00	\$ 59,659.00	30	65
2. Washington St. (Edwards Ferry Rd. to North St.)	\$ 4,033.00	\$ 19,404.00	\$ 23,437.00	35	63
3. East Market St. (Loudoun St. to Sycolin Rd.)	\$ 27,867.00	\$133,165.00	\$161,032.00	39	64

FY2015 Annual Program for Street Milling

October 6, 2014

Page 2 of 3

<u>Name of Street and Limits</u>	<u>Estimated Milling Cost</u>	<u>Estimated Paving Cost</u>	<u>Estimated Total Cost</u>	<u>PCI</u>	
				<u>2014</u>	<u>Previous</u>
4. Cherry Ln. (Edwards Ferry Rd. to dead-end)	\$ 10,633.00	\$ 51,156.00	\$ 61,789.00	46	58
5. Bradfield Dr. (Country Club Dr. to cart path)	\$ 17,050.00	\$ 82,026.00	\$ 99,076.00	50	58
6. N. King St. (NCL Leesburg to Dry Hollow Rd.)	\$ 19,251.00	\$ 92,614.00	\$111,865.00	51	63
7. Woodlea Dr. (ECL to Mead Dr.)	\$ 5,683.00	\$ 27,342.00	\$ 33,025.00	51	58
8. Cardinal Park Dr. (Rt. 7 to cul-de-sac)	\$ 10,817.00	\$ 52,038.00	\$ 62,855.00	52	55
9. Catoctin Cir. (Market St. to Foxridge Dr.)	\$ 14,300.00	\$ 68,796.00	\$ 83,096.00	57	58
10. Oakview Dr. (Rockbridge Dr. to cul-de-sac)	\$ 6,583.00	\$ 27,342.00	\$ 33,925.00	57	58
11. Royal St. (Liberty St. to S. King St.)	\$ 3,483.00	\$ 16,758.00	\$ 20,241.00	58	59
Estimated Total Costs	\$129,967.00	\$620,033.00	\$750,000.00		
Concrete Repairs Costs and Handicap Ramp Installation Costs			\$134,500.00		
TOTAL COSTS			\$884,500.00		

A map is attached showing the location of the streets listed above.

Based on the data provided by the automated pavement management system and analysis of the data by staff, the following streets, which are listed in their current order of need for maintenance, should be resurfaced if additional funds are available under the FY2015 program.

<u>Name of Street and Limits</u>	<u>Estimated Cost</u>	<u>PCI</u>	
		<u>2014</u>	<u>Previous</u>
1. Catoctin Cir. (Marshall Dr. to Battlefield Pkwy.)	\$ 82,457.00	45	65
2. Greenway Dr. (Sheridan Way to Meade Dr.)	\$ 75,340.00	46	77
3. Nickels Pl. (Bradfield Dr. to cul-de-sac)	\$ 22,159.00	46	85
4. Sheridan Way (Lawford Dr. to Greenway Dr.)	\$ 14,489.00	47	78
5. Catoctin Cir. (Foxridge Dr. to Dry Mill Rd.)	\$ 41,250.00	52	64
6. Anne St. (Wagann St. to cul-de-sac)	\$ 5,753.00	53	85

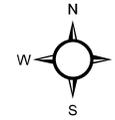
FY2015 Annual Program for Street Milling

October 6, 2014

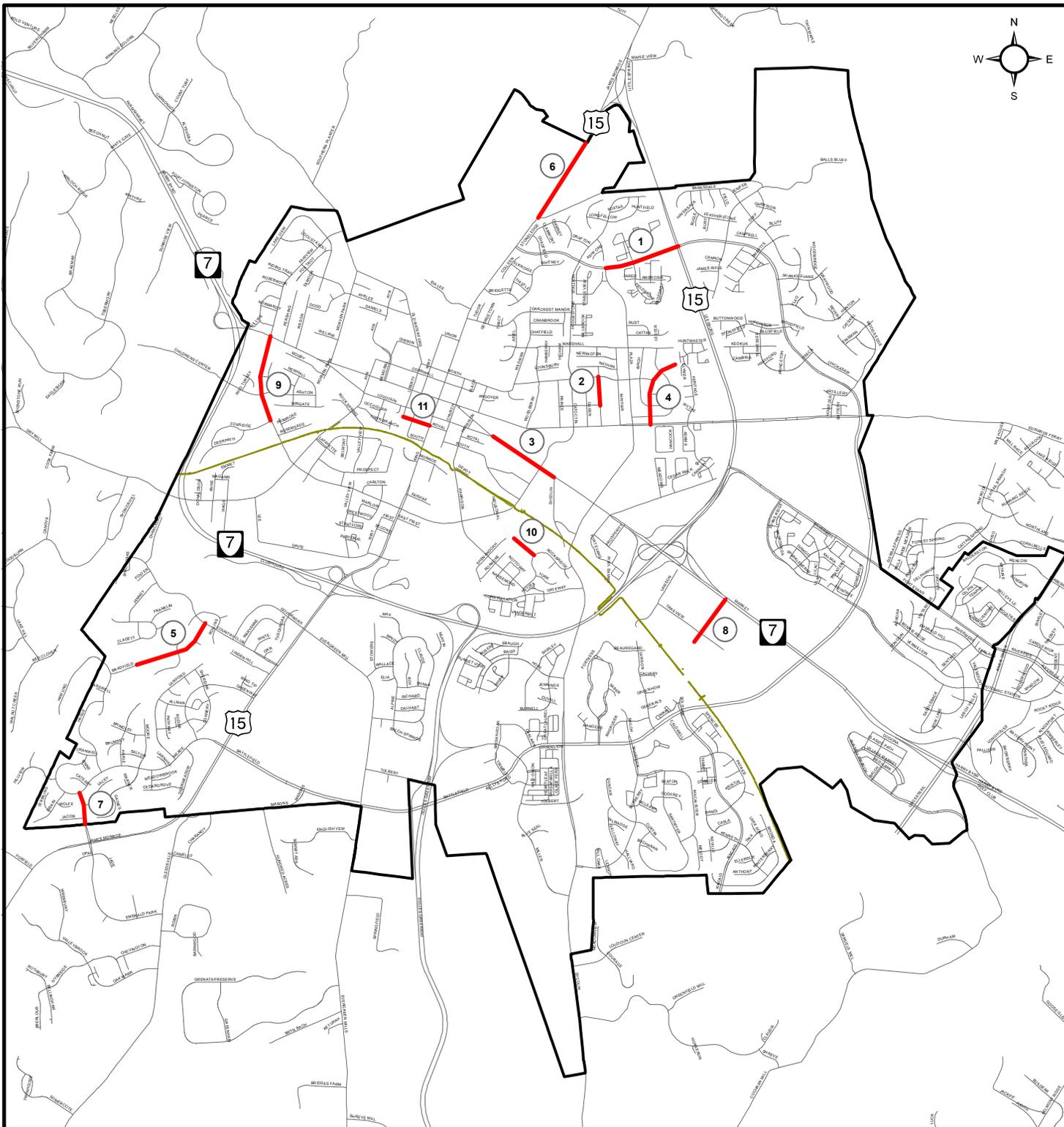
Page 3 of 3

<u>Name of Street and Limits</u>	<u>Estimated Cost</u>	<u>PCI</u>	
		<u>2014</u>	<u>Previous</u>
7. Chimney Ct. (Stoneledge Pl. to cul-de-sac)	\$ 10,249.00	53	74
8. King St. (Greenway Dr. to Meade Dr.)	\$ 67,883.00	53	79
9. Market St. (Fairview St. to Loudoun St.)	\$ 35,795.00	53	69
10. Evergreen Mills Rd. (King St. to Alpine Dr.)	\$ 62,418.00	54	73
11. Battlefield Pkwy. (Hunton Pl. SBL to Tennessee Dr. SBL)	\$ 45,562.00	55	66
12. Deerpath Ave. (Foxridge Dr. to cul-de-sac)	\$ 34,091.00	55	72
13. Fort Evans Rd. (Potomac Station Dr. EBL to Sycamore Hills Dr.)	\$ 45,426.00	55	68
Estimated Total Costs	\$542,872.00		

Town of Leesburg Milling and Paving Fiscal Year 2015



- 1) Battlefield Pkwy (Rt 15 Bypass to Plaza St, EBL)
- 2) Washington St (Blue Ridge to North St)
- 3) E Market St (Loudoun St to Sycolin Rd)
- 4) Cherry La (Edwards Ferry Rd to dead-end)
- 5) Bradfield Dr (Country Club Dr to cart path)
- 6) N King St (NCL Leesburg to Dry Hollow Rd)
- 7) Woodlea Dr (ECL to Mead Dr)
- 8) Cardinal Park Dr (Rt 7 to cul-de-sac)
- 9) Catoctin Cir (Market St to Foxridge Dr)
- 10) Oakview Dr (Rockbridge Dr to cul-de-sac)
- 11) Royal St (Liberty St to S King St)



Legend

-  Town Limit Line
-  W&OD Trail
-  Roads

