



The Town of Leesburg
INTEROFFICE MEMORANDUM
DEPARTMENT OF PUBLIC WORKS

TO: John Wells, Town Manager

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

DATE: June 29, 2012

RE: FY2013 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 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 FY2013 a road maintenance program which provides a comprehensive approach to street maintenance and includes allowances totaling \$750,000.00 for street resurfacing and pavement milling, \$104,500.00 for concrete repairs, and \$30,000.00 for handicap ramp installation.

Based on the most current assessment of the condition of Town streets, staff recommends the following for maintenance under the FY2013 program:

Name of Street and Limits	Estimated Milling Cost	Estimated Paving Cost	Estimated Total Cost	PCI	
				2012	2011
1. Masons Lane (Evergreen Mill Rd. to 600' East of S. King St.)	\$ 30,150.00	\$ 76,100.00	\$106,250.00	45	47
2. Edwards Ferry Rd. (Catoctin Circle to Washington St)	\$ 5,950.00	\$ 15,000.00	\$ 20,950.00	46	48

FY2013 Annual Program for Street Milling

June 29, 2012

Page 2 of 4

<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>2012</u>	<u>2011</u>
3. S. King St. (Fairfax St. to Catoctin Circle)	\$ 4,100.00	\$ 53,400.00	\$ 57,500.00	49	51
4. Periwinkle Way (Clagett St. to Clagett St.)	\$ 1,050.00	\$ 9,500.00	\$ 10,550.00	49	54
5. Fieldstone Dr. (Battlefield Pkwy. to cul-de-sac)	\$ 4,050.00	\$ 39,150.00	\$ 43,200.00	50	54
6. S. King St. (South St. to Fairfax St.)	\$ 8,850.00	\$ 22,300.00	\$ 31,150.00	51	54
7. Clagett St. (Periwinkle Way to Periwinkle Way)	\$ 7,600.00	\$ 23,050.00	\$ 30,650.00	51	52
8. S. King St. (Meade Dr. to Masons Lane)	\$ 11,050.00	\$ 27,800.00	\$ 38,850.00	51	57
9. Georgetown Ct. (Oakcrest Manor Dr. to cul-de-sac)	\$ 1,450.00	\$ 11,000.00	\$ 12,450.00	52	58
10. Battlefield Pkwy. (Kincaid Blvd. to Tavistock Dr. – WBL)	\$ 12,700.00	\$ 32,200.00	\$ 44,900.00	52	53
11. Forbes Ct. (Heritage Way to cul-de-sac)	\$ 1,800.00	\$ 8,800.00	\$ 10,600.00	53	54
12. Edwards Ferry Rd. (Prince St to Catoctin Circle)	\$ 1,300.00	\$ 3,300.00	\$ 4,600.00	53	57
13. N. King St. (Oakcrest Manor Dr. to Bridgette Place)	\$ 9,200.00	\$ 23,400.00	\$ 32,600.00	53	59
14. South St. (Trailer Park to Catoctin Circle)	\$ 12,200.00	\$ 30,900.00	\$ 43,100.00	53	54
15. Evergreen Mill Rd. (Tolbert Lane to SCL)	\$ 7,700.00	\$ 19,800.00	\$ 27,500.00	54	56
16. Barbara Ct. (Ariel Dr. to cul-de-sac)	\$ 900.00	\$ 6,950.00	\$ 7,850.00	54	58
17. Gibson St. (Old Waterford Rd. to Memorial Dr.)	\$ 4,900.00	\$ 12,350.00	\$ 17,250.00	54	60
18. W. Market St. (Loudoun St. to Ayr St.)	\$ 10,350.00	\$ 25,600.00	\$ 35,950.00	55	64
19. Oakcrest Manor Dr. (N. King St. to Georgetown Ct.)	\$ 2,650.00	\$ 13,200.00	\$ 15,850.00	55	58
20. Cardinal Park Dr. (Rt. 7 to cul-de-sac)	\$ 15,500.00	\$ 39,100.00	\$ 54,600.00	55	57
21. Catoctin Circle (South St. to E. Market St.)	\$ 5,000.00	\$ 41,000.00	\$ 46,000.00	55	60
22. Tracy Ct. (Oakcrest Manor Dr. to cul-de-sac)	\$ 800.00	\$ 6,600.00	\$ 7,400.00	55	60
23. Battlefield Pkwy. (Beauregard Dr. to Tavistock Dr. – EBL)	\$ 4,000.00	\$ 10,000.00	\$ 14,000.00	56	57
24. Nelson Ct. (Heritage Way to cul-de-sac)	\$ 1,800.00	\$ 8,800.00	\$ 10,600.00	56	64
25. Wythe Ct. (Heritage Way to cul-de-sac)	\$ 1,300.00	\$ 6,200.00	\$ 7,500.00	58	65

FY2013 Annual Program for Street Milling

June 29, 2012

Page 3 of 4

<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>2012</u>	<u>2011</u>
26. Clymer Ct. (Heritage Way to cul-de-sac)	\$ 2,350.00	\$ 11,000.00	\$ 13,350.00	59	63
Estimated Total Costs	\$168,700.00	\$576,500.00	\$745,200.00		
Concrete Repairs Costs and Handicap Ramp Installation Costs			\$134,500.00		
TOTAL COSTS			\$879,700.00		

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 FY2013 program.

<u>Name of Street and Limits</u>	<u>Estimated Cost</u>	<u>PCI</u>	
		<u>2012</u>	<u>2011</u>
1. Church St. (E. Market St. to Loudoun St.)	\$ 8,350.00	51	53
2. Sycolin Rd. (Miller Dr. to SCL)	\$ 65,450.00	55	56
3. Edwards Ferry Rd. (Heritage Way to Cherry Ln. – WBL)	\$ 23,500.00	55	57
4. Fieldstone Dr. (Battlefield Pkwy. to NBL)	\$ 19,200.00	55	57
5. Chancellor St. (Country Club Dr. to cul-de-sac)	\$ 38,350.00	56	65
6. E. Market St. (Harrison St. to Loudoun St.)	\$ 18,250.00	57	65
7. Prospect Dr. (104 Belmont Dr. to 140 Belmont Dr.)	\$ 46,800.00	57	65
8. Dry Mill Rd. (Lee Ave. to Catoctin Circle)	\$ 31,650.00	58	67
9. E. Market St. (Church St. to Harrison St.)	\$ 16,350.00	58	65
10. Normandy Dr. (Fairview St. to Phillips Dr.)	\$ 12,350.00	58	61
11. Phillips Dr. (Fairview St. to Fairview St.)	\$ 40,850.00	58	69
12. Emmet Ct. (Wagann St. to cul-de-sac)	\$ 18,000.00	56	58

FY2013 Annual Program for Street Milling

June 29, 2012

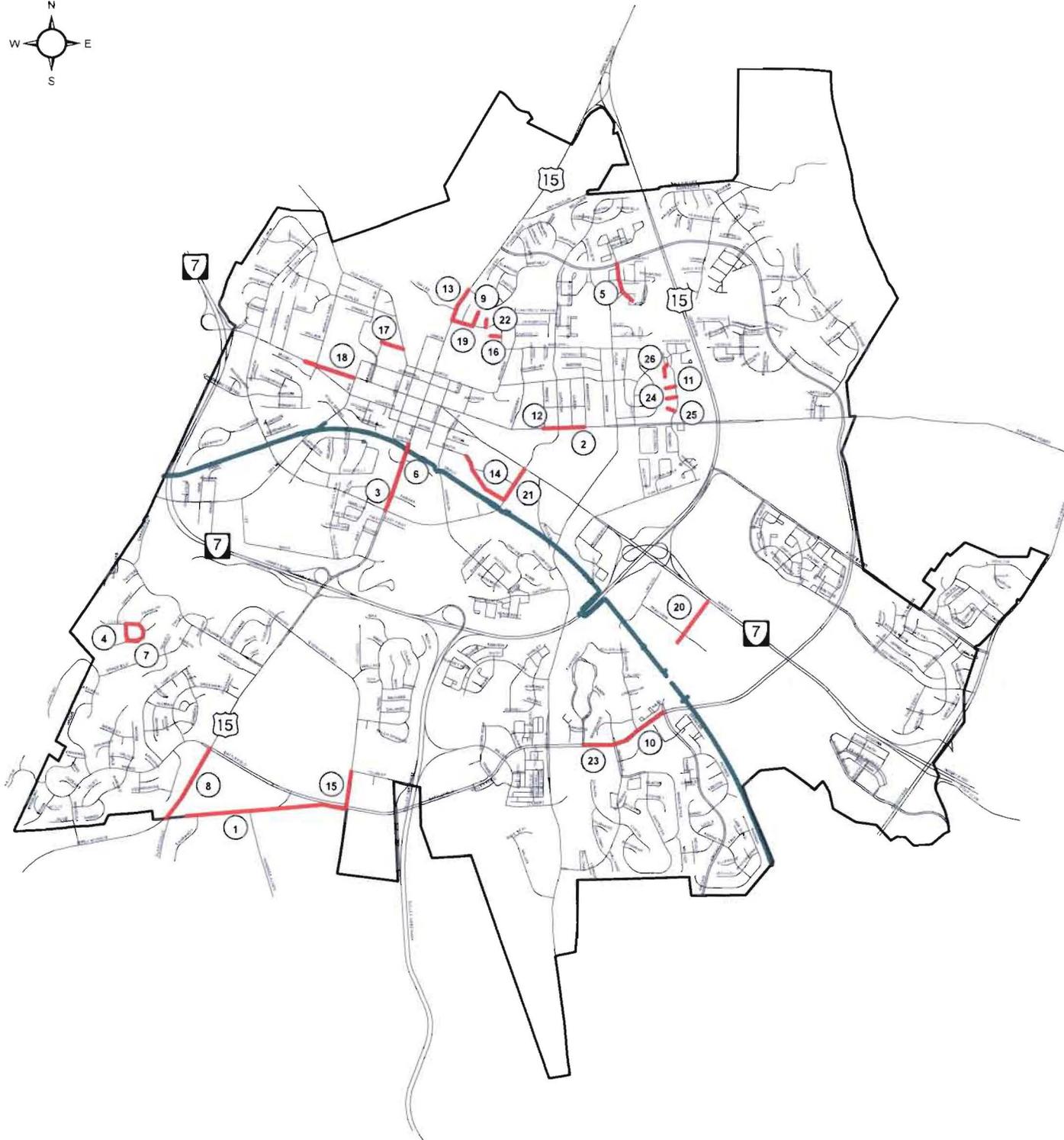
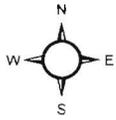
Page 4 of 4

<u>Name of Street and Limits</u>	<u>Estimated Cost</u>	<u>PCI</u>	
		<u>2012</u>	<u>2011</u>
13. North St. (Plaza St. to Cherry Lane)	\$ 18,800.00	56	57
14. Clagett St. (500 block of cul-de-sac to Periwinkle Way)	\$ 27,250.00	57	60
15. Harrison St. (Nansemond St. to Gateway Dr.)	\$ 21,400.00	57	60
16. York Lane (Rockbridge Dr. to cul-de-sac)	\$ 21,000.00	58	61
17. Edwards Ferry Rd. (E. Market St. to Harrison St.)	\$ 18,400.00	59	62
18. Royal St. (Liberty St. to S. King St.)	\$ 17,450.00	59	61
19. Battlefield Pkwy. (Smartts Lane to Hunton Pl. – SBL)	\$ 76,700.00	59	64
20. Catoctin Circle (W. Market St to Foxridge Dr.)	\$ 51,750.00	59	62
21. Harrison St. (Catoctin Circle to Shenandoah St.)	\$ 40,850.00	59	64
22. Oakview Dr. (Rockbridge Dr. to cul-de-sac)	\$ 27,450.00	59	67

We recommend that you forward to the Town Council approval of the street listed above for pavement milling, resurfacing, handicap ramp installations and concrete repairs in the FY2013 Road Maintenance Program.

The Annual Milling and Resurfacing Contract is currently out for bid with bids due on July 10, 2012. We have used estimated unit prices for calculating the milling and paving costs. The number of streets that can be milled and paved may increase or decrease depending upon the bid results.

We will make any necessary revisions to the list of recommended streets for the July 23, 2012 Town Council Work Session. We anticipate the new paving contract will be awarded by the Town Council on July 24, 2012. A resolution approving the FY2013 Annual Street Milling, Resurfacing and Concrete Repairs Program will also be on the agenda for the July 24, 2012 Town Council Meeting.



Town of Leesburg Milling and Paving Fiscal Year 2013

- 1) Mason's La (Evergreen Mill Rd to 600' east of S King St)
- 2) Edwards Ferry Rd (Catoctin Cir to Washington St)
- 3) S King St (Fairfax St to Catoctin Cir)
- 4) Periwinkle Wy (Clagett St to Clagett St)
- 5) Fieldstone Dr (Battlefield Pkwy to cul-de-sac)
- 6) S King St (South St to Fairfax St)
- 7) Clagett St (Periwinkle Wy to Periwinkle Wy)
- 8) S King St (Meade Dr to Masons La)
- 9) Georgetown Ct (Oakcrest Manor Dr to cul-de-sac)
- 10) Battlefield Pkwy (Kincaid Blvd to Tavistock Dr/WBL)
- 11) Forbes Ct (Heritage Wy to cul-de-sac)
- 12) Edwards Ferry Rd (Prince St to Catoctin Cir)
- 13) N King St (Oakcrest Manor Dr to Bridgette Pl)
- 14) South St (Trailer Park to Catoctin Cir)
- 15) Evergreen Mill Rd (Tolbert La to South Town Limits)
- 16) Barbara Ct (Ariel Dr to cul-de-sac)
- 17) Gibson St (Old Waterford Rd to Memorial Dr)
- 18) W Market St (Loudoun St to Ayr St)
- 19) Oakcrest Manor Dr (N King St to Georgetown Ct)
- 20) Cardinal Park Dr (Rt 7 to cul-de-sac)
- 21) Catoctin Cir (South St to E Market St)
- 22) Tracy Ct (Oakcrest Manor Dr to cul-de-sac)
- 23) Battlefield Pkwy (Beauregard Dr to Tavistock Dr - EBL)
- 24) Nelson Ct (Heritage Wy to cul-de-sac)
- 25) Wythe Ct (Heritage Wy to cul-de-sac)
- 26) Clymer Ct (Heritage Wy to cul-de-sac)

Legend

-  Town Limit Line
-  W&OD Trail
-  Roads

