

City of Alexandria, Virginia

MEMORANDUM

DATE: MARCH 29, 2012
TO: THE HONORABLE MAYOR AND MEMBERS OF CITY COUNCIL
THROUGH: RASHAD M. YOUNG, CITY MANAGER 
FROM: RICHARD J. BAIER, P.E., LEED AP, DIRECTOR, T&ES 
SUBJECT: 2012-13 PAVING PROGRAM

In order to follow up from some verbal questions from Council members, I provide the following information:

Street maintenance is an ongoing program that requires year-round effort with a focus on activities such as pothole patching in spring as roadways begin to show stress from winter's freeze-thaw cycles. Each April, and with the onset of consistently warm, dry weather, T&ES begins its annual street resurfacing program. This work typically runs through mid-October.

Attachment 1 is a list of street sections scheduled for resurfacing or significant patching in 2012-13. Attachment 2 is a citywide map showing locations of planned resurfacing and patching projects in 2012-13 as well as work that has been completed since 2007. The projected paving list is *subject to change at any time* due to the continually fluctuating cost of asphalt and potential utility work conflicts.

Why are certain streets placed on the paving schedule?

T&ES focuses its limited resurfacing funds on streets that are in most need. When selecting streets each year to be paved, staff begins with an objective pavement rating index calculated by a computer model. This index is included within the City's Pavement Management System, which included an assessment of all streets citywide in 2008. (City Council recently allocated funds to update this inventory in 2012; this work will be completed after the current paving season.) With this information as a baseline, T&ES engineers and asphalt inspectors also consider: (a) pavement condition, (b) traffic volume and heavy vehicle usage, (c) geographic equity, (d) planned construction and (e) cost.

How does T&ES consider price fluctuations when forecasting street repaving?

It is an industry best practice to resurface urban streets with heavy traffic volume and truck traffic on a 10 year cycle. In Alexandria, this would mean resurfacing approximately 10% of the City's total lane miles every year – or approximately 50 lane miles annually. However, this is not possible due to the combination of limited funding and continually escalating prices for asphalt.

The current Virginia Department of Transportation (VDOT) "Adjustment for Asphalt and Fuel Indices" reflects a base price in March 2012 of \$635.56 per ton, an increase of 26%, over March 2011, when the same index was \$503 per ton. The City works with VDOT and its contractors to forecast the eventual cost of the price adjustment for asphalt when the paving season begins in earnest, typically on or about July 1 each year.

The City maintains 521 lane miles of roads and the current budget of \$1.6 million for resurfacing, patching and emergency road work allows for resurfacing of approximately 20 lane miles annually. Because the funding is so limited, resurfacing activities must be scrutinized and funding is reserved for street sections that rate "very poor" or "serious" in the City's Pavement Management System. Alexandria has many miles of roads that rank "poor" or only "fair" that the City cannot immediately address.

Where can I find more information about the City's Paving Management System?

Many details about the City's Pavement Management System and a Frequently Asked Questions list is available online at: <http://alexandriava.gov/tes/info/default.aspx?id=2822>.

If you have any questions, I can be reached at 703.746.4025 or rich.baier@alexandriava.gov.

Attachments:

1. Department of Transportation & Environmental Services 2012-13 Street Maintenance List
2. T&ES 2012 Paving Schedule

cc: Mark Jinks, Deputy City Manager
Yon Lambert, AICP, Deputy Director/Operations, T&ES



**Department of Transportation & Environmental Services
2012-13 Street Maintenance List**

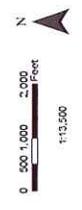
This list is subject to change at any time due to utility conflicts or funding levels.

6000 block Lincolnia Road
0 to 200 blocks South Reynolds Street
200 to 500 blocks South Royal Street
700 and 800 blocks Slaters Lane
1200 to 1400 blocks Trinity Drive
500 to 600 blocks South Patrick Street
600 to 1200 blocks West Glebe Road
2800 to 3200 Old Dominion Boulevard
1100 & 1200 blocks North Howard Street
2400 block Cameron Mills Road
1900 & 2000 blocks Russell Road
300 to 700 blocks South Fairfax Street
1400 block Summit Avenue
900 block Church Street
900 block South Columbus Street
400 block Madison Street
800 block First Street
800 block South Pitt Street
100 & 300 blocks Adams Street
500 block East Alexandria Avenue
300 block West Walnut Street
1900 & 2000 blocks LaGrande Avenue
100 block Kennedy Street
3800 block Edison Street
400 block Tyler Place
2500 block Taylor Avenue
600 block Tennessee Avenue
1000 to 1100 blocks Cross Drive
300 block Cloverway Drive
0 to 25 block South Pickett Street
1400 and 1500 block North Pickett Street
2200 block North Tracy Street
4400 to 3400 blocks of Duke Street (patching only)
2000 to 2400 blocks King Street (CIP project)

TES 2012 Paving Schedule

Map Produced: March 2012

- Legend**
- Roads
 - Maintenance Status
 - Paving Schedule
 - 2012 - 2013
 - Projects Completed
 - 2007 - 2011



Project: TES 2012 Paving Schedule
Map Produced: March 2012
Map Scale: 1:13,500
Map Date: 3/1/12
Map Author: [Name]
Map Reviewer: [Name]
Map Approved: [Name]
Map Approved Date: [Date]

