

Memorandum

November 21, 2008

To: Travel Forecasting Subcommittee

From: Erin Morrow
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Subject: Proposed Route Additions to the Arterial Congestion Monitoring Program

As described in the UPWP, beginning in FY2009, the current arterial congestion monitoring program will be enhanced with additional monitored routes. Currently, there are 365 miles of arterial highways monitored in the program in a three-year cycle as shown in Table 1.

Staff proposed routes shown in Table 2 have been selected because either they are in the National Highway System and not a part of the current program or because they are in a known congested corridor. These routes have been organized into three groups and each group added to a year in the current three year cycle program. Route limits (Table 3) and critical intersections (Attachment A) have been proposed for each of the routes; however, field work will be needed to confirm the locations and whether all of the routes meet the definition of arterial highway that is used for this study. Inclusion of all of these proposed routes would mean approximately an additional 66 route miles, an 18% increase, in the program.

The addition of these routes would likely result in an additional week of data collection each year. Field work will be needed to confirm the time necessary to complete each route during rush hour.

Attachment

Table 1: Current Schedule and Routes for Arterial Travel Time Data Collection

Jurisdiction	FY2009		FY2007,FY2010		FY2008,FY2011		Total
	Routes	Mileage	Routes	Mileage	Routes	Mileage	
District of Columbia	Wisconsin Ave.	4.1	Canal Rd/M St	3.7	Connecticut Ave.	4.4	
	Pennsylvania Ave.	1.1	7th St/Georgia Ave	3.4	16th St	6.0	
	17th Street	0.7	Georgia Ave.	3.3	K St./New York Ave.	4.0	
	Independence Ave.	1.9	Constitution Ave/Louisiana Ave.	2.4	Nebraska Ave./	2.5	
	I St.	0.8	Penn Ave./Branch Ave.	3.7	Military Road		
	H St.	0.6			L St.	1.0	
	15th St.	0.7			Penn Ave./Const-15ht)	1.0	
					14th St.	1.0	
	Total	9.9		16.5		19.9	46.3
Maryland	MD 355	15.3	MD 4	11.5	US 40	5.0	
	MD 198	5.0	MD 586	5.4	MD 28	7.0	
	MD 117	6.8	MD 450	12.8	MD 5	13.0	
	MD 197	14.7	MD 144	4.1	MD 193	6.0	
					Randolph Rd	12.0	
	Total	41.8		33.8		43.0	118.6
Virginia	US 50	23.0	VA 234	22.4	VA 7100	19.8	
	VA 123	27.7	VA 28	17.1	US 29	21.0	
	US 15	12.5	VA 120	8.1	US 1	18.8	
			VA 7	29.2			
	Total	63.2		76.8		59.6	199.6
TOTAL		114.9		127.1		122.5	364.5

Table 2: Proposed Additions to Schedule and Routes for Arterial Travel Time Data Collection

Jurisdiction	FY2009		FY2007,FY2010		FY2008,FY2011		Total
	Routes	Mileage	Routes	Mileage	Routes	Mileage	
District of Columbia	South Dakota Ave.	2.7	Rhode Island Ave.	3.5			
	Total	2.7		3.5		0.0	6.2
Maryland	Colesville Rd./US29	7.3	US 1	13.4	Indian Head Highway	11.0	
	University Blvd.	4.5					
	Total	11.8		13.4		11.0	36.2
Virginia	Wilson Blvd./	4.9	VA 28	7.0	US 29	11.0	
	Clarendon Blvd.	4.9					
	Total	4.9		7.0		11.0	22.9
TOTAL		19.4		23.9		22.0	65.3

Table 3: Route Limits for Proposed Additions to Routes for Arterial Travel Time Data Collection

Jurisdiction	Route	Route Limits		Distance (miles)
		From	To	
DC	South Dakota Ave.	Bladensburg Rd.	Hamilton St.	2.7
	Rhode Island Ave.	7th St., NW	Eastern Ave. (Maryland Line)	3.5
DC Total				6.2
MD	Colesville Rd./US 29	16th St. (DC Line)	Fairland Rd.	7.3
	University Blvd. (MD 193)	Colesville Rd.	Adelphi Rd.	4.5
	US 1	Eastern Ave. (DC Line)	Gorman Rd.	13.4
	Indian Head Highway (MD 210)	Southern Ave. (DC Line)	Livingston Rd. (Accokeek)	11.0
MD Total				36.2
VA	Wilson Blvd./Clarendon Blvd.	N. Lynn St.	Roosevelt Blvd. (Seven Corners)	4.9
	VA 28	Compton Rd.	Route 234 Bypass	7.0
	US 29	Bull Run Post Office Rd.	Buckland Mill Rd. (Fauquier Co. Line)	11.0
VA Total				22.9
Regional Total				65.3

ATTACHMENT A

Proposed Route Additions and Critical Intersections for the Arterial Highway Congestion Monitoring Program

District of Columbia

Rhode Island Ave from 7th St NW to Eastern Ave (DC/Maryland line)

Critical Intersections: Florida Ave, V St., NE, 10th St, NE, Montana Ave., South Dakota Ave., Eastern Ave.

South Dakota Ave. from Bladensburg Rd. to Hamilton St. (approx 2.7 mi)

Critical Intersections: Bladensburg Rd., Rhode Island Ave., Michigan Ave., Sargent Rd., Hamilton St.

Maryland

University Blvd E (MD 193) from Colesville Rd. to Adelphi Rd.

Critical Intersections: Colesville Rd., E. Franklin Ave, Piney Branch Rd., New Hampshire Ave., Riggs Rd., Adelphi Rd.

Colesville Road/US29 from 16th St/DC Line to Fairland Rd.

Critical Intersections: East-West Highway, Georgia Ave., Fenton St., Dale Dr., University Blvd., Lockwood Dr., Stewart La., Industrial Pkwy/Old Columbia Rd., Fairland Rd.

Rhode Island Ave/US 1 from Eastern Ave (DC line) to Gorman Rd (MD 198)

Critical Intersections: Eastern Ave., 38th St., U.S. 1 Bypass, East-West Highway, Queens Chapel Rd., Campus Dr./Paint Branch Pkwy., Greenbelt Rd./Metzerott Rd., Cherry Hill Rd., Powder Mill Rd. (MD 201), Muirkirk Meadows Rd., Contee Rd., Cherry Ln., Gorman Ave

Indian Head Highway from Southern Ave SE/DC Line to Accokeek

Critical Intersections: Southern Ave., SE, Livingston Rd., Wilson Bridge Dr., Kerby Hill Rd., Livingston Rd., Fort Washington Rd., Old Fort Rd., Livingston Rd.

Virginia

Wilson Blvd/Clarendon Blvd from N. Lynn St (Rosslyn) to Seven Corners

Critical Intersections: N. Lynn St., N. Veitch St, N. Highland St, N. Monroe St., N. Randolph St., N. Glebe Rd., George Mason Dr., Roosevelt Blvd.

VA 28 from Compton Rd to Route 234 Bypass

Critical Intersections: Compton Rd., Old Centreville Rd., Liberia Ave., Sudley Rd./Prescott Ave., Grant Ave./St Hwy 234, Wellington Rd., Godwin Dr.

US 29 from Bull Run Post Office Rd. to Gainesville or the Fauquier County Line

Critical Intersections: Bull Run Post Office Rd., Sudley Rd., Pagelawn La., Linton Hall Rd. (Gainesville), James Madison Hwy., Bulkland Mill Rd. (Fauquier County Line)

