

**Technical Committee
Item #3**

*District of Columbia
Bowie
College Park
Frederick County
Gaithersburg
Greenbelt
Montgomery County
Prince George's County
Rockville
Takoma Park
Alexandria
Arlington County
Fairfax
Fairfax County
Falls Church
Loudoun County
Manassas
Prince William County*

MEMORANDUM

July 2, 2004

To: TPB Technical Committee**From:** Anant Choudhary
Transportation Engineer
MWCOG**Subject:** TERMS Update**DRAFT**

As part of the 2004 constrained long range plan (CLRP) and FY 2005-FY 2010 transportation improvement program conformity analysis, staff has been working on updating the reporting document and analysis associated with previously implemented TERMS and Potential TERMS.

Attachment A shows the list of the TERM projects which were completed prior to 2000, and therefore already reflected in the travel demand model, and no longer creditable in the conformity analyses.

Attachment B shows the list of the TERMS projects for which credits can be taken in the conformity assessment and which will be retained on the tracking sheet.

Attachment C shows the list of potential TERMS that could be considered for implementation if there is a need for emissions mitigation during the conformity analysis of the 2004 CLRP and FY 2005-10 TIP.

Attachments

TERM TRACKING SHEET - HISTORICAL MEASURES
IMPLEMENTATION: PRIOR TO YEAR 2000
No Credits are taken in Air Quality Conformity Analysis FY 2004-09



Attachment - A

* Project Category: TR - Traffic Stream, C - Commute, H - Heavy Duty Vehicles (Engine Technology), SP- Specific Vehicle Type, TCM - Transportation Control Measures

* Nos	CREDIT TAKEN	TIP CREDITED	AGENCY	PROJECT	IMPLEMENTATION STATUS				ORIGINAL COMPLETION DATE	ACTUAL COMPLETION DATE	TONS/DAY REDUCTION CREDITED								Project Category *		
					FULL	SCALED- BACK	UNDER- WAY	REM			2005		2015		2025		2030				
											VOC	NOX	VOC	NOX	VOC	NOX	VOC	NOX			
1	X	1994-99	MDOT	Signal Systems - MD 3, MD 450 to Waugh Chapel	X				1994	1996	0.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	TR
2	X	1994-99	MDOT	Signal Systems - MD 450, 56th to MD 564	X				1994	1998	0.003	-0.003	0.0014	-0.0014	0.0012	-0.0008	0.0012	-0.0007			TR
3	X	1994-99	MDOT	Signal Systems - MD 193, Rhode Island to Hanover	X				1994	1998	0.002	-0.003	0.0009	-0.0014	0.0008	-0.0004	0.0008	-0.0003			TR
4	X	1994-99	MDOT	Signal Systems - MD 197, S. Laurel to Clubhouse	X				1994	1998	0.002	-0.002	0.0005	-0.0007	0.0000	-0.0004	0.0000	-0.0003			TR
5	X	1994-99	MDOT	Signal Systems - MD 5, 15th to Metzertott	X				1994	1997	0.002	-0.002	0.0009	-0.0007	0.0008	-0.0004	0.0008	-0.0003			TR
6	X	1994-99	MDOT	Signal Systems - Marlow Heights to MD 637	X				1994	1998	0.001	-0.002	0.0005	-0.0007	0.0004	-0.0004	0.0004	-0.0003			TR
7		1994-99	MDOT	Safety and Geometric Improvements				X	1994	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
8		1994-99	MDOT	Park & Ride Lot - MD 355/ MD 187				X	1993	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
9	X	1994-99	MDOT	Park & Ride Lot - MD 210/ MD 373				X	2000	2003	0.001	0.003	0.0005	0.0013	0.0004	0.0006	0.0004	0.0006			C
11		1994-99	MDOT	Germantown Garage Parking Exp. (add 1000 spaces)				X		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
12	X	1994-99	VDOT	Signal Systems	X				1994	97-00	0.437	-0.322	0.2074	-0.1357	0.1551	-0.0722	0.1525	-0.0655			TR
14	X	1994-99	VDOT	Ridesharing (Regional & PRTC)	X				1994-ongoing		0.061	0.141	0.0289	0.0672	0.0217	0.0424	0.0213	0.0402			C
15	X	1994-99	LOUD	VA 28 Corridor Park & Ride Lot (add 100 spaces)	X				1995	1995	0.001	0.003	0.0005	0.0013	0.0004	0.0009	0.0004	0.0009			C
16	X	1994-99	PRTC	VRE Signalization	X				Summer 97		0.007	0.021	0.0033	0.0099	0.0024	0.0069	0.0023	0.0065			C
17	X	1994-99	PRTC	VRE Locomotive Purchase (2)	X				1994	1995	0.018	0.048	0.0084	0.0233	0.0063	0.0159	0.0062	0.0151			C
18	X	1994-99	PRTC	PRTC Feeder Vehicle Purchase	X				1994	1994	0.009	0.017	0.0042	0.0081	0.0031	0.0056	0.0031	0.0053			C
21	X	1994-99	WMATA	WMATA Bus Replacement (45 buses)	X				1995	1995	0.017	0.065	0.000	0.000	0.000	0.000	0.0000	0.0000			SP
22		1995-00	MDOT	Park & Ride Lot - I-70 at Walser Dr. (new, 900+ spaces)				X	1997	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
23		1995-00	MDOT	Park & Ride Lot - MD 117/ MD 118 (new, 75 spaces)				X	1996	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
24		1995-00	MDOT	Park & Ride Lot - I-270/ MD 80 (add 100 spaces)				X	1996	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
25	X	1995-00	MDOT	Park & Ride Lot - Brunswick MARC (add 300 spaces)	X					1999	0.010	0.029	0.0047	0.0143	0.0031	0.0090	0.0031	0.0290			C
26	X	1995-00	MDOT	Signal Systems - MD 202, 57th Ave. to Fire House Rd.	X				1995	1996								0.0000	0.0000		TR
27	X	1995-00	MDOT	Signal Systems - MD 4, Forestville Rd. to Shadyside Dr.	X				1995	1998								0.0000	0.0000		TR
28	X	1995-00	MDOT	Signal Systems - US 1, Ritz Way to Murkirk Rd.	X				1995	1997								0.0000	0.0000		TR
29	X	1995-00	MDOT	Signal Systems - MD 193, Hanover Pkwy to Prospect Hill Rd.	X				1995	1996								0.0000	0.0000		TR
30	X	1995-00	MDOT	Signal Systems - MD 212, Cherry Hill Rd. to Old Gunpr. Rd.	X				1995	1996								0.0000	0.0000		TR
31	X	1995-00	MDOT	Signal Systems - MD 198, Van Dusen Rd. to US 1	X				1995	1998								0.0000	0.0000		TR
32		1995-00	MDOT	Signal Systems - MD 450, MD 197 to Race Track Rd.	X				1995	2000								0.0000	0.0000		TR
33		1995-00	MDOT	Signal Systems - MD 450, MD 564 to Carter Ave.				X	1995	n/a								n/a	n/a		-
34		1995-00	MDOT	Signal Systems - MD 450, US 1 Alt. to MD 202				X	1995	n/a								#REF!	#REF!		TR
35		1995-00	MDOT	Signal Systems - MD 458, MD 414 to Walker Mill Rd.				X	1995	n/a								n/a	n/a		-

TERM TRACKING SHEET - HISTORICAL MEASURES
IMPLEMENTATION: PRIOR TO YEAR 2000
No Credits are taken in Air Quality Conformity Analysis FY 2004-09



Attachment - A

* Project Category: TR - Traffic Stream, C - Commute, H - Heavy Duty Vehicles (Engine Technology), SP- Specific Vehicle Type, TCM - Transportation Control Measures

* NOs	CREDIT TAKEN	TIP CREDITED	AGENCY	PROJECT	IMPLEMENTATION STATUS				ORIGINAL COMPLETION DATE	ACTUAL COMPLETION DATE	TONS/DAY REDUCTION CREDITED								Project Category *
					FULL	SCALED- BACK	UNDER- WAY	REM			2005		2015		2025		2030		
											VOC	NOX	VOC	NOX	VOC	NOX	VOC	NOX	
36	X	1995-00	MDOT	Signal Systems - MD 214, MD 193 to Campus Way	X				1996	1996							#REF!	#REF!	TR
37		1995-00	MDOT	Signal Systems - MD 223, Steed Rd. to Dangerfield Rd.					1996	n/a	SEE TOTAL ON LINE 46 FOR SIGNAL SYSTEMS						n/a	n/a	TR
38	X	1995-00	MDOT	Signal Systems - MD 85 Executive Way to MD 355					1996	n/a							0.0000	0.0000	TR
39	X	1995-00	MDOT	Signal Systems - MD 355 ,I-70 ramps to Grove Rd.					1996	n/a							0.0000	0.0000	TR
40	X	1995-00	MDOT	Signal Systems - US 301, Excalibur Rd. to Governor Bridge	X				1996	1996							0.0000	0.0000	TR
41	X	1995-00	MDOT	Signal Systems - US 301, MD 382 to Rosaryville Rd.	X				1996	1996							0.0000	0.0000	TR
42		1995-00	MDOT	Signal Systems - MD 650, Sheridan St. to Metzertott Rd.					1996	n/a							n/a	n/a	-
43		1995-00	MDOT	Signal Systems - MD 410, MD 212, to Taylor Ave.					1996	n/a							n/a	n/a	-
44		1995-00	MDOT	Signal Systems - MD 410, 62nd Ave. to Riverdale Rd.					1996	n/a							0.0000	0.0000	TR
45	X	1995-00	MDOT	Signal Systems - MD 202, Campus Way to Whitehouse Rd.	X				1996	n/a							0.0000	0.0000	TR
46	X	1995-00	MDOT	Signal Systems - TOTAL CREDITED PROJECTS	X				see above	see above	0.01838	-0.0212	0.0089	-0.0083	0.00643	-0.0034	0.0063	-0.0031	TR
47		1995-00	MDOT	Geometric Improvements					1995	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
48	X	1995-00	MDOT	MARC Replacement Coaches					1999	2000 & before	0.001	0.003	0.0009	0.0027	0.0012	0.0019	0.0012	0.0018	C (TCM)
49	X	1995-00	MDOT	MARC Expansion Coaches					1999	2000 & before	0.008	0.024	0.0074	0.0242	0.0055	0.0153	0.0054	0.0145	C (TCM)
50	X	1995-00	VDOT	PRTC Public Transit Support	X					1995			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	C
53	X	1995-00	VDOT	Alexandria Bus Access Improvements	X					1998	0.001	0.001	0.0005	0.0004	0.0004	0.0000	0.0004	0.0000	C
55	X	1995-00	VDOT	Lorton VRE Access	X					1995	0.005	0.012	0.0023	0.0058	0.0016	0.0037	0.0015	0.0035	C (TCM)
65	X	1995-00	VDOT	VDOT NoVA District-wide P&R spaces (3800)	X					1999	0.044	0.132	0.0200	0.0618	0.0154	0.0383	0.0151	0.0363	C
76		1996-01	MDOT	MD 5 / MD 373 Park and Ride					1999	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
78	X	1996-01	VDOT	Tysons Westpark Transit Center	X					1999	0.001	0.005	0.0005	0.0027	0.0004	0.0019	0.0004	0.0018	C
80	X	1996-01	VDOT	Loudoun County Bus Shelters		X			2000	1996	0.001	0.003	0.0005	0.0018	0.00039	0.00125	0.0004	0.0012	C
84		1996-01	MGC	Stamp Out Bad Bus Stops					1999	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
86	X	1996-01	VDOT	Tacketts Mill Park and Ride	X					1996	0.011	0.028	0.0051	0.0143	0.0039	0.0100	0.0039	0.0095	C (TCM)
87	X	1996-01	VDOT	Reston Bus Replacement	X					1994	0.002	0.009	0	0	0	0			SP
88	X	1996-01	VDOT	Construct Left Turn Bays	X					1995 - 1998	0.003	0.002	0.0014	0.0007	0.0012	0.0004	0.0012	0.0003	TR
93	X	1997-02	PRTC	PRTC Omnlink Bus Service	X					1996	0.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	C
94	X	1997-02	MCG	Lake Forest Transit Center	X				1997	1996	0.001	0.003	0.0005	0.0013	0.0004	0.0009	0.0004	0.0009	C (TCM)
96	X	1997-02	MCG	Tulagi Pl. Park and Ride	X				1997	1995	0.001	0.003	0.0005	0.0013	0.0004	0.0009	0.0004	0.0009	C (TCM)
97	X	1997-02	MDOT	MD 5 Rel./MD 205 Park and Ride Construction	X				1999	1998	0.004	0.013	0.0014	0.0063	0.0012	0.0044	0.0012	0.0041	C (TCM)
98	X	1997-02	MDOT	I-270 / MD 80 P&R Expansion (2 lots -> 289 + 301 spaces)	X				1996	um 1999/Fail200	0.002	0.010	0.0009	0.0049	0.0008	0.0031	0.0008	0.0030	C (TCM)
99	X	1997-02	MDOT	Hagerstown Telework Center (Wash. MSA Benefits)	X				1997	1997	0.001	0.007	0.0005	0.0031	0.0004	0.0022	0.0004	0.0021	C

TERM TRACKING SHEET - HISTORICAL MEASURES
IMPLEMENTATION: PRIOR TO YEAR 2000
No Credits are taken in Air Quality Conformity Analysis FY 2004-09

DRAFT

Attachment - A

* Project Category: TR - Traffic Stream, C - Commute, H - Heavy Duty Vehicles (Engine Technology), SP- Specific Vehicle Type, TCM - Transportation Control Measures

* NOs	CREDIT TAKEN	TIP CREDITED	AGENCY	PROJECT	IMPLEMENTATION STATUS				ORIGINAL COMPLETION DATE	ACTUAL COMPLETION DATE	TONS/DAY REDUCTION CREDITED								Project Category *	
					FULL	SCALED- BACK	UNDER- WAY	REM			2005		2015		2025		2030			
											VOC	NOX	VOC	NOX	VOC	NOX	VOC	NOX		
100	X	1997-02	PG	Anacostia Bicycle Trail	X				1999	1998	0.007	0.001	0.0037	0.0004	0.0031	0.0003	0.0031	0.0003	C (TCM)	
101	X	1997-02	MCG	Montgomery County Bus Replacement	X					2000 & before	0.003	0.011	0	0	0	0	0.0000	0.0000	SP (TCM)	
103	X	1997-02	PG	Prince George's County Bus Service			X		1998	1998	0.004	0.009	0.0014	0.0040	0.0012	0.0028	0.0012	0.0027	C	
104	X	1997-02	VDOT	I-66 Park and Ride at VA 234 / Portsmouth	X					1996	0.009	0.024	0.0061	0.0179	0.0067	0.0159	0.0066	0.0151	C	
105	X	1997-02	VDOT	Arl. Co. Transit Ridership Develop. Initiative Program	X					1998	0.019	0.039	0.0088	0.0170	0.0071	0.0109	0.0070	0.0103	C	
115	X	1998-03	FDC	Frederick County Shuttles	X					2000 & before	0.000	0.001	0.0000	0.0004	0.0000	0.0003	0.0000	0.0003	C	
116	X	1998-03	VDOT	PRTC Ridesharing	X					1997 - 99	0.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	C	
120	X	1998-03	VDOT	Alternative Fueled Vehicles	X				1999	1997 - 99	0.001	0.001	0.001	0.001	0.001	0.001	0.0010	0.0010	H	
129		2000-05	MDOT	MD 202, MD 85, US 301 Signal Systemization				X	2001	2000 & before	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	
183	X	2003-08	VDOT	Park-and-Ride Lots	X				2005	2000 before	0.0175	0.0382	0.0073	0.013	0.01	0.008	0.0057	0.0073	C	
185	X	2003-08	VDOT	Metro Shuttle Bus			X		2005	1999-2005	0.0019	0.0047	0.0008	0.002	0.00	0.001	0.0006	0.0009	C	
186	X	2003-08	VDOT	VRE Early (PM) Train Service			X		2005	1999	0.0133	0.0277	0.0056	0.009	0.00	0.006	0.0043	0.0053	C	
188	X	2003-08	VDOT	PRTC Express Bus Service					2005	1999	0.0007	0.0015	0.0003	0.000	0.00	0.000	0.0002	0.0003	C	
194	X	2003-08	VDOT	Loudoun County Transit Service	X		X		2005	in network	0.0022	0.0037	0.0009	0.001	0.00	0.001	0.0007	0.0007	C	
195		2003-08	VDOT	VDOT - Travel Management System	Taken in line 161						2000 & before	-	-	-	-	-	-	-	-	C

* Projects numbers refer to the sequence of projects contained in previous Tracking Sheet updates

**TERM TRACKING SHEET - CURRENT MEASURES
IMPLEMENTATION: YEAR 2000 AND LATER
Credits are taken in Air Quality Conformity Analysis FY 2004-09**

DRAFT

* Project Category: TR - Traffic Stream, C - Commute, H - Heavy Duty Vehicles (Engine Technology), SP- Specific Vehicle Type, TCM - Transportation Control Measures

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					FULL	SCALED- BACK	UNDER- WAY	REM			2005		2015		2025		2030		
											VOC	NOX	VOC	NOX	VOC	NOX	VOC	NOX	
19		1994-99	PRTC	VRE Woodbridge Parking Expansion (add 500 spaces)	X					2002-2003	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
20	X	1994-99	ALEX	King St. Metrorail access improvements			X			2002, '04, '05	0.002	0.003	0.0009	0.0013	0.0008	0.0009	0.0008	0.0009	C
51	X	1995-00	VDOT	Alexandria Telecommuting Pilot Program	X					2000 & 2001							0.0000	0.0000	C
52	X	1995-00	VDOT	Fairfax County Bus Shelter (Fairfax Co. TDM program)			X		2000	2001							0.0000	0.0000	C
54	X	1995-00	VDOT	City of Fairfax Bus Shelters			X		1999	2004	0.000	0.001	0.000	0.000	0.000	0.000	0.0000	0.0000	C (TCM)
56	X	1995-00	VDOT	Cherry Hill VRE Access			X			2007	0.006	0.021	0.0033	0.009	0.00236	0.005	0.0023	0.0047	C (TCM)
57	X	1995-00	DC	Right Turn on Red			X			1999	0.041	0.050	0.0202	0.022	0.01647	0.011	0.0162	0.0102	TR
58	X	1995-00	WMATA	Bus Replacement (172 buses)	X				1998	1998	0.069	0.252	0	0	0	0	0.0000	0.0000	SP (TCM)
59	X	1995-00	MCG	Shady Grove West Park and Ride			X		2010		0.0000	0.0000	0.0000	0.0045	0.0000	0.0031	0.0000	0.0030	C
60	X	1995-00	MCG	White Oak Park and Ride			X		2010		0.0000	0.0000	0.0000	0.0090	0.0000	0.0062	0.0000	0.0059	C
61	X	1995-00	MCG	Bicycle Facilities			X		FY99		0.003	0.002	0.0014	0.0009	0.00118	0.0006	0.0012	0.0006	C
62	X	1995-00	MCG	Pedestrian Facilities to Metrorail			X				0.005	0.007	0.0019	0.0031	0.00157	0.0022	0.0015	0.0021	C
63	X	1995-00	MDOT	MARC Replacement Coaches			X		1999	2000	0.004	0.010	0.0033	0.0099	0.00315	0.0062	0.0031	0.0059	C
64	X	1995-00	MDOT	MARC Expansion Coaches			X		1999	2000	0.030	0.089	0.0284	0.0636	0.02874	0.0508	0.0283	0.0482	C (TCM)
66	X	1995-00	VDOT	Commuter Lots - District Wide			X		varies	1995, 2000	0.010	0.028	0.0065	0.0193	0.0063	0.0165	0.0062	0.0157	C
67	X	1995-00	VDOT	I-66 and Stringfellow Rd. Park and Ride	X				2000	2000 end	0.009	0.017	0.0047	0.009	0.00394	0.0062	0.0039	0.0059	C
68	X	1995-00	VDOT	Lake Ridge Park and Ride (now called Tacketts Mill lot)	X					1999/2000	0.000	0.009	0	0.0045	0	0.0031	0.0000	0.0030	C
69	X	1995-00	VDOT	Bicycle Trails and Facilities			X		varies	varies	0.002	0.015	0.0093	0.0076	0.0075	0.0056	0.0074	0.0053	C
70	X	1995-00	VDOT	Improved Access to Metrorail Stations					varies	2000-2010	0.000	0.001	0.0005	0.0009	0.00039	0.0006	0.0004	0.0006	C
71	X	1995-00	VDOT	I-66 HOV access at Monument Dr.	X					1997	0.009	0.017	0.0047	0.0090	0.0004	0.0062	0.0004	0.0059	C
72		1995-00	DC	Bicycle Facilities		X					0.022	0.017	0.0116	0.0094	0.00945	0.0069	0.0093	0.0065	C
73	X	1995-00	REGION	COG Regional Ridesharing Support	X					on-going	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000	C
74	X	1995-00	REGION	M-47 Integrated Ridesharing	X					on-going	0.043	0.090	0.018	0.030	0.014	0.018	0.0139	0.0172	C
75	X	1995-00	REGION	M-92 Telecommuting Support	X					on-going	0.316	0.744	0.131	0.243	0.105	0.150	0.1037	0.1426	C
77		1996-01	VDOT	Duke Street Pedestrian Bridge					2005	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
79	X	1996-01	VDOT	Fairfax County Bus Shelters (30 shelters with project #85)			X		1999	Summer 2001	0.002	0.003	0.0009	0.0013	0.00079	0.0009	0.0008	0.0009	C
81	X	1996-01	VDOT	Arlington County Metrocheck Program	X				1997	1997 Onwards	0.002	0.003	0.001	0.003	0.001	0.003	0.0004	0.0009	C
82	X	1996-01	VDOT	Old Dominion Drive Bike Trail			X		2000	2004	0.001	0.001	0.0005	0.0004	0.00039	0.0003	0.0004	0.0003	C

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											VOC	NOX	VOC	NOX	VOC	NOX	VOC	NOX	
83	X	1996-01	WMATA	Bus Replacement (see line 58, above)	X					1998	credit taken in line 58, above								SP
85	X	1996-01	VDOT	Fairfax County Bus Shelters (30 shelters with project #79)			X		1999	2001	0.001	0.001	0.0005	0.0013	0.00039	0.0009	0.0004	0.0009	C
90	X	1996-01	REGION	M-47c Employer Outreach / Guaranteed Ride Home	X					on-going	0.560	1.043	0.2347	0.345	0.1807	0.2095	0.1777	0.1989	C
91	X	1996-01	REGION	M-70a Bicycle Parking			X		1999		0.006	0.006	0.0047	0.0045	0.00394	0.0031	0.0039	0.0030	C
92	X			M-92 Telecommuting Support	Combined with item #75												0.0000	0.0000	C
95	X	1997-02	MCG	Germantown Transit Center			X		2004		0.005	0.016	0.0023	0.0085	0.00197	0.0056	0.0019	0.0053	C (TCM)
102	X	1997-02	PG	Prince George's County Bus Replacement	X				1998	1998	0.003	0.009	0	0	0	0	0.0000	0.0000	SP (TCM)
106	X	1997-02	VDOT	PRTC Employer Commuting Outreach Program	X					1977 on-going	0.002	0.000	0.001	0.000	0.001	0.000	0.001	0.000	C
107	X	1997-02	VDOT	PRTC Multimodal Strategic Marketing Implementation Plan	X					1977 on-going	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	C
108	X	1997-02	MDOT	M-103 Taxicab Replacement in Maryland			X		1999	on-going	0.080	0.268	0.145	0.215	0.123	0.150	0.312	0.481	SP
109	X	1997-02	REGION	M-70b Employer Outreach for Bicycles	X				1998	on going	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	C
110	X	1997-02	VDOT	M-77b Vanpool Incentive Programs in Virginia			X		1999	delayed	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	C
111	X	1998-03	WMATA	Bus Replacement (108 buses)	X				1999	1999	0.045	0.162	0.000	0.000	0.000	0.000	0.0000	0.0000	SP
112	X	1998-03	MCG	Montgomery County Bus Replacement	X						0.008	0.027	0.002	0.007	0.000	0.000	0.0000	0.0000	SP
113	X	1998-03	PG	Prince George's County Bus Replacement	X				1998	1998	0.001	0.002	0.000	0.000	0.000	0.000	0.0000	0.0000	SP
114	X	1998-03	FDC	Frederick County Bus Replacement	X						0.001	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000	SP
117	X	1998-03	VDOT	Arlington County Four Mile Run Bike Trail			X		1999	delayed	0.001	0.001	0.0005	0.0004	0.00039	0.0003	0.0004	0.0003	C
118	X	1998-03	VDOT	Northern Virginia Turn Bays	X				2000	1998	0.001	0.002	0.0009	0.0007	0.0008	0.0004	0.0008	0.0003	TR
119	X	1998-03	VDOT	Fairfax City Bus Replacement			X		2001	2003	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	SP
121	X	1998-03	WMATA	WMATA Bus Replacement (252 buses)	X				2001	2001	0.106	0.386	0.090	0.342	0.000	0.000	0.0000	0.0000	SP
122	X	97 & 98 TIP	REGION	M-101a Mass Marketing Campaign (Consumer)						ongoing	0.119	0.212	0.102	0.159	0.098	0.107	0.0752	0.0807	C
123	X	1999-04	MDOT	Various Park and Ride Lots(I-270/MD124, 450 & I-170/MD-75, 54 spaces)	X				2001/1999	2001	0.007	0.031	0.0047	0.0188	0.00394	0.0143	0.0039	0.0136	C
124	X	1999-04	MDOT	Signal Systems (197/MD-198, MD-382 TO US-301,US301)	x				2000	2002	0.011	-0.003	0.0061	-0.002	0.00803	-0.0015	0.0079	-0.0014	TR
125	X	1999-04	VDOT	Transit Center at 7 Corners					2002		0.001	0.002	0.0005	0.0009	0.00039	0.0006	0.0004	0.0006	C
126	X	1999-04	VDOT	Falls Church Clean Diesel Bus Service					2000	2003	0.004	0.005	0.000	0.000	0.000	0.000	0.0000	0.0000	SP
127	X	1999-04	VDOT	VA 234 Bike Trail					2001	2007	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000	C
128	X	1999-04	VDOT	PRTC Ridesharing	X				on-going	2000 ongoing	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000	C
130	X	1996-01	VDOT	M-14: I-66 Feeder Bus Fare Buy Down	X					1998 onward	0.023	0.047	0.0102	0.0206	0.00827	0.0131	0.0081	0.0124	C

TERM TRACKING SHEET - CURRENT MEASURES
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					FULL	SCALED- BACK	UNDER- WAY	REM			2005		2015		2025		2030		
											VOC	NOX	VOC	NOX	VOC	NOX	VOC	NOX	
131	X	2000-05	MDOT	Various park and Ride Lots	x				2002	2003	0.006	0.028	0.0043	0.0175	0.0038	0.0140	0.0038	0.0119	C
132	X	2000-05	MDOT	Signal Systems	X				Varies	on-going	0.003	0.000	0.0012	0.0000	0.0007	0.0000	0.0007	0.0000	TR
133	X	2000-05	VDOT	450 Spaces at Gambrill/Hooes Rds. Park and Ride					2002	2004	0.006	0.015	0.0028	0.0069	0.00217	0.0043	0.0021	0.0041	C
134	X	2000-05	VDOT	300 Spaces at Backlick Rd					2003	2006	0.005	0.011	0.0021	0.0049	0.00148	0.0031	0.0015	0.0030	C
135	X	2000-05	VDOT	Accotink-Gateway Connector Trail					2002	2005	0.006	0.009	0.0028	0.0038	0.00185	0.0021	0.0018	0.0020	C
136	X	2000-05	VDOT	Columbia Pike Trail					2000	2001, 2005	0.006	0.007	0.0023	0.0029	0.00146	0.0016	0.0014	0.0015	C
137	X	2000-05	VDOT	Lee Highway trail					2000	2005	0.003	0.003	0.0012	0.0016	0.00061	0.0008	0.0006	0.0008	C
138	X	2000-05	VDOT	Arlington Bus Shelter Improvements					2005	2005	0.001	0.001	0.0005	0.0004	0.00024	0.0002	0.0002	0.0002	C
139	X	2000-05	VDOT	Pentagon Metrostation Improvements	X					2003	0.007	0.015	0.0033	0.0063	0.00224	0.0035	0.0022	0.0033	C
140	X	2000-05	MDOT	East/West Intersection Improvements					2005		0.038	0.021	0.064	0.0327	0.08741	0.0355	0.0859	0.0337	C
141	X	2001-06	Feds	Federal Transit/Ridesharing subsidy	X				on-going		0.094	0.164	0.0386	0.0555	0.02914	0.033	0.0286	0.0313	C
142	X	2002-07	WMATA	100 CNG buses					2002		0.000	0.136	0.00	0.136			0.0000	0.0000	SP (TCM)
143	X	2002-07	WMATA	ULSD with CRT filters					on-going		0.210	0.000	0.43	0.000	0.43	0.000	0.4300	0.0000	H (TCM)
144	X	2003-08	DC	Replace 23 Taxicabs with CNG cabs					2005		0.0177	0.031	-	-	-	-	-	-	H
145	X	2003-08	DC	D.C.Incident Response & TrafficManagement System					2005		0.0254	0.075	-	0.034	-	0.019	-	0.0168	TR
146	X	2003-08	DC	Bicycle Lane in D. C. (35 Mile) *					2005	2004	0.0154	0.015	0.01	0.005	0.00	0.003	0.0046	0.0029	C (TCM)
147	X	2003-08	DC	Bicycle Racks in D. C. (500) *					2005	2004	0.0021	0.002	0.00	0.001	0.00	0.000	0.0006	0.0003	C (TCM)
148	X	2003-08	DC	External Bicycle Racks on WMATA Buses in D. C. (600) *					2005		0.0031	0.006	0.00	0.002	0.00	0.001	0.0010	0.0011	C (TCM)
149	X	2003-08	DC	CNG Rental Cars (18) *					2005		0.00003	0.0002	-	-	-	-	-	-	SP
150	X	2003-08	DC	Sidewalks in D.C. (\$ 5 million)					2005		0.0578	0.101	0.02	0.033	0.02	0.020	0.0182	0.0192	C
151	X	2003-08	DC	CNG Refuse Haulers (2) *					2005	2004	0.0001	0.002	0.00	0.002	-	-	-	-	H (TCM)
152	X	2003-08	DC	Circulator /Feeder Bus Routes					2005		0.0211	0.036	0.01	0.012	0.01	0.007	0.0066	0.0069	C
153	X	2003-08	MDOT	Commuter Tax Credit					2005	n/a	0.1262	0.2219	0.05	0.074	0.04		0.0398		C
155		2003-08	MDOT	Employer Vanpool Program (WWB)					2005		0.0030	0.0075	0.00	0.002	0.00				C
156	X	2003-08	MDOT	Green Line Link					2005	n/a	0.0041	0.0085	0.00	0.003	0.00	0.002	0.0013	0.0016	C
157	X	2003-08	MDOT	Park & Ride Lots - Southern Maryland *					2005	2003	0.0080	0.0197	0.00	0.006	0.00	0.004	0.0026	0.0038	C
158	X	2003-08	MDOT	Prince George's County- Bus Exp					2005	n/a	0.0578	0.1191	0.02	0.039	0.02	0.024	0.0186	0.0228	C
159	X	2003-08	MDOT	MTA - Bus Service Expansion					2005	n/a	0.0131	0.0285	0.01	0.009	0.00	0.006	0.0042	0.0054	C

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					FULL	SCALED- BACK	UNDER- WAY	REM			2005		2015		2025		2030		
											VOC	NOX	VOC	NOX	VOC	NOX	VOC	NOX	
160	X	2003-08	MDOT	Ride- On - Super Discount			x		2005	n/a	0.0015	0.0026	0.00	0.001	0.00	0.001	0.0005	0.0005	C
161	X	2003-08	Regional	Regional Traveler Information Systems					2005		0.1596	0.9730	0.08	0.445	0.07	0.242	0.0686	0.2195	TR
162	X	2003-08	MDOT	Universal Transportation Access (MD + WMATA)				x	2005	n/a	0.0259	0.0452	0.01	0.015	0.01	0.009	0.0082	0.0086	C
163	X	2003-08	MCG	Construction of 1300 additional Parking Spaces at Grosvenor Metro Garage					2005		0.0074	0.0189	0.00	0.006	0.00	0.004	0.0025	0.0036	C (TCM)
164	X	2003-08	MCG	Bethesda Shuttle Bus Services					2005		0.0050	0.0087	0.00	0.003	0.00	0.002	0.0016	0.0016	C
165	X	2003-08	MCG	External Bicycle Racks on Ride-On Buses in Montgomery County					2005		0.0010	0.0017	0.00	0.001	0.00	0.000	0.0003	0.0003	C
166	X	2003-08	MCG	New CNG Powered Light Duty Vehicle fleet in the County					2005		0.00002	0.0001	-	-	-	0.000	-	-	SP
167	X	2003-08	MCG	Free Bus Service on Selected Routes on I-270					2005		0.0017	0.0030	0.00	0.001	0.00	0.001	0.0005	0.0006	C
168	X	2003-08	MCG	Annual Sidewalk Program					2005		0.0275	0.0480	0.01	0.016	0.01	0.010	0.0087	0.0091	C
169	X	2003-08	MDOT	Bethesda Breeze/International Express Metrobus				x	2005	n/a	0.0060	0.0097	0.003	0.003	0.002	0.002	0.0019	0.0018	C
170	X	2003-08	MDOT	Bethesda-8, Silver Spring Downtown Dasher and Prince Georges Co. Shuttles at 3 PNR lot				x	2005	n/a	0.0142	0.0189	0.006	0.006	0.004	0.004	0.0043	0.0036	C
171	X	2003-08	MDOT	Proposed Transportation Management District in Montgomery County (Rockville and Gaithersburg)				x	2005	n/a	0.0093	0.0142	0.004	0.005	0.003	0.003	0.0029	0.0027	C
172	X	2003-08	MDOT	Sidewalks (Bikes/Pedestrian) at / near Rail Stations	x				2005	2002	0.0150	0.0267	0.006	0.009	0.005	0.005	0.0047	0.0051	C
173	X	2003-08	MDOT	Neighborhood Sidewalks Improvements (Bike/Pedestrian)				x	2005	n/a	0.0052	0.0030	0.002	0.001	0.002	0.001	0.0015	0.0005	C
174	X	2003-08	MDOT	Neighborhood Conservation Program - Neighborhood Sidewalks Improvements (Bikes/Pedestrian)				x	2005	n/a	0.0046	0.0026	0.002	0.001	0.001	0.001	0.0013	0.0005	C
175	X	2003-08	MDOT	Maryland bus Transit Service Expansion				x	2005	n/a	0.0228	0.0586	0.009	0.019	0.008	0.012	0.0076	0.0112	C
176	X	2003-08	VDOT	Universal Transportation Access Program					2005	2005	0.0019	0.0034	0.0008	0.001	0.00	0.001	0.0006	0.0006	C
177	X	2003-08	VDOT	Interactive Rideshare & Kiosk Initiative					2005		0.0006	0.0013	0.0003	0.000	0.00	0.000	0.0002	0.0002	C
178	X	2003-08	VDOT	Mobile Commuter Stores					2005		0.0035	0.0071	0.0014	0.002	0.00	0.001	0.0011	0.0014	C
179	X	2003-08	VDOT	Telework Incentive Program (Telework VA)				X	2005	2001	0.0012	0.0022	0.0005	0.001	0.00	0.000	0.0004	0.0004	C
180	X	2003-08	VDOT	Commuter Choice					2005		0.0015	0.0025	0.0007	0.001	0.00	0.001	0.0005	0.0005	C
181	X	2003-08	VDOT	Employer Shuttle Services					2005		0.0184	0.0301	0.0077	0.010	0.01	0.006	0.0057	0.0057	C
184	X	2003-08	VDOT	Van Start / Van Save				X	2005	till 2006	0.0022	0.0047	0.0009	0.002	0.00	0.001	0.0007	0.0009	C
185	X	2003-08	VDOT	Metro Shuttle Bus				X	2005	1999-2005	0.0019	0.0047	0.0008	0.002	0.00	0.001	0.0006	0.0009	C
187	X	2003-08	VDOT	VRE Mid-Day Train Service	X				2005	2002	0.0025	0.0053	0.0011	0.002	0.00	0.001	0.0008	0.0010	C
190	X	2003-08	VDOT	Employer Vanpool Program (Bridge deck)				X	2005	2004 - 2008	0.0015	0.0034	0.0006		0.00		0.0000		C
191	X	2003-08	VDOT	Town of Leesburg P&R Lot				X	2005	2004	0.0031	0.0071	0.0013	0.002	0.00	0.001	0.0010	0.0014	C
192	X	2003-08	VDOT	District-wide P&R Lots	X			X	2005	2001-2005	0.0182	0.0406	0.0076	0.013	0.01	0.008	0.0059	0.0078	C

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					FULL	SCALED- BACK	UNDER- WAY	REM			2005		2015		2025		2030		
											VOC	NOX	VOC	NOX	VOC	NOX	VOC	NOX	
193	X	2003-08	VDOT	Additional Parking at 4 Metro stations			X		2005	2001, 2005	0.0235	0.0604	0.0097	0.020	0.01	0.012	0.0078	0.0116	C
196	X	2003-08	WMATA	64 CNG Buses (Purchased in 2001)					2005		0.0021	0.0870	0.0021	0.087	-	-	-	-	SP (TCM)
197	X	2003-08	WMATA	250 CNG Buses (To be purchased in 2002)					2005		0.0083	0.3400	0.0083	0.340	-	-	-	-	SP
198	X	2003-08	WMATA	100 Engine Replacement (58 MY 1992&42 1993 MY buses)					2005		0.0230	0.1258	0.0230	0.126	-	-	-	-	SP
199	X	2003-08	WMATA	Car Sharing Program					2005		0.0013	0.0033	0.0005	0.001	0.0004	0.001	0.0004	0.0006	C
200	X	2003-08	WMATA	Bikes Racks on WMATA Buses in VA (372 Bike Racks)					2005		0.0020	0.0035	0.0008	0.001	0.0006	0.001	0.0006	0.0007	C (TCM)
202		2003-08	MDOT	Fleet Replacement (state auto fleet, gas to hybrid, 250 vehicles)				x	2005		0.0055	0.013	0.0055	0.013		-	-	-	SP
203	X	2003-08	MDOT	Replace 55 Montgomery County 10 yr. old buses w/ new CNG buses			x		2005			0.286		0.286					SP
204		2003-08	MDOT	Neighborhood Bus Shuttle (5 circulator routes)				x	2005		0.0121	0.0221	0.0051	0.007	0.00	0.004	0.0038	0.0042	C
205	X	2003-08	MDOT	New Surface Parking at Transit Centers (500 spaces)			x		2005		0.0042	0.0108	0.0017	0.004	0.00	0.002	0.0014	0.0021	C
206	X	2003-08	MDOT	Additional Bike Lockers at Metro-Stations			x		2005		0.0213	0.0379	0.0090	0.013	0.01	0.008	0.0067	0.0072	C
207	X	2003-08	MDOT	Bike Facilities at PnR Lots or other similar location			x		2005		0.0150	0.0300	0.0063	0.010	0.00	0.006	0.0048	0.0057	C
208	X	2003-08	MDOT	CNG Fueling Stations			x		2005		0.1270	0.1170		-				-	SP
209		2003-08	MDOT	Gas cap replacements (ROP Credit)				x	2005		N/A	N/A		-				-	SP
210		2003-08	MDOT	Gas can turnover (ROP Credit)				x	2005		N/A	N/A		-				-	SP
211	X	2003-08	MDOT	External Bicycle Racks on WMATA Buses (486 MD buses)	x				2005	2002	0.0023	0.0040	0.0009	0.001	0.001	0.001	0.0007	0.0008	C (TCM)
212	X	2003-08	MDOT	Bike \ Pedestrian Trail - Anacostia River Walk					2005	n/a	0.0009	0.0008	0.0004	0.000	0.000	0.000	0.0003	0.0002	C
213		2003-08	MDOT	Transit Prioritization - Queue Jumps				x	2005		0.0050	0.0068	0.0021	0.002	0.002	0.001	0.0015	0.0013	C
214	X	2003-08	MDOT	Commuter Choice Benefit/Tax Credit - Marketing Expansion			x		2005	n/a	0.0881	0.1559	0.0370	0.052	0.028	0.031	0.0278	0.0297	C
215	X	2003-08	MDOT	Improvements to Pedestrian Access in TOD areas (4 locations)			x		2005	n/a	0.0096	0.0158	0.0040	0.005	0.003	0.003	0.0030	0.0030	C
216	X	2003-08	MDOT	Telecommuting Expansion			x		2005	n/a	0.1041	0.2192	0.0435	0.072	0.034	0.044	0.0336	0.0419	C
217	X	2003-08	MDOT	Replace older Diesel Engine in Public Sector vehicles			x		2005	n/a	0.0237	0.130	0.0237	0.130		-			H
218	X	2003-08	VDOT	MV-92 Telecommuting Program - Expanded ¹			X		2005	2003	0.1112	0.2341	0.05	0.077	0.036	0.047	0.0359	0.0447	C
219	X	2003-08	VDOT	MV-123 Employer Outreach for Public Sector Employees ¹			X		2005	2003	0.0247	0.0430	0.01	0.014	0.008	0.009	0.0078	0.0082	C
220	X	2003-08	REGION	Signal System Optimization			X		2005	2005	0.674	0.272	0.3447	0.1244	0.29446	0.0676	0.2896	0.0613	TR

* Projects numbers refer to the sequence of projects contained in previous Tracking Sheet updates

Potential TERMS

For Consideration During Conformity Assessment of 2004 CLRP & FY 2005-2010 TIP

Potential TERMS	VOC (2005)	NOx (2005)	Cost Effectiveness		Project
	With MOBILE6 Factors	With MOBILE6 Factors	VOC	NOx	Category *
	tons/day	tons/day	\$/ton	\$/ton	tons/day
M-07A Voluntary Employer Parking Cash-Out Subsidy	0.2022	0.3525	3,170	1,819	C
M-24 Speed Limit Adherence (accelerated)	-	0.8680	-	-	TR
M-47c Employer Outreach for Private Sector Employers (expanded)	0.0380	0.0663	89,419	51,293	C
M-93 Improve Pedestrian Facilities Near Rail Stations	0.0310	0.0540	183,456	105,326	C
M-103 150 Taxicab Replacement Program - CNG (expanded)	-	0.2030	-	-	SP
M-103a 150 Taxicab Replacement Program - conventional vehicles	-	0.1750	-	14,300	SP
M-110 10 Transit Stores in Maryland	0.0127	0.0261	61,932	26,760	C
M-111 Replace Traffic Signals with Lesser Controls	-	-	-	-	TR
M-113 6 Kiosks in Maryland	0.0001	0.0001	3,196,305	1,916,240	C
M-123 Employer Outreach for Public Sector Employers	0.0979	0.1706	33,376	19,146	C
M-132 Vanpool Incentive Program (expanded M-77b)	0.0387	0.0889	196,576	82,881	C
M-133 Metrorail Feeder Bus Service	0.0018	0.0047	-	-	C
M-134 Implement Neighborhood Circulator Buses (10)	0.0211	0.0363	607,918	352,350	C
M-135 Construction of 1000 Parking Spaces at Metrorail Stations	0.0058	0.0151	452,300	175,682	C
M-142c Replace 200 Bus Fleet with CNG Operated Buses	-	0.2700	-	60,145	SP
M-142d WMATA CNG Bus Replacement (buses>12 years old)	-	2.1020	-	28,000	SP
M-143 Real Time Bus Schedule Information	0.0085	0.0149	57,260	32,830	C
M-146 Purchase 185 WMATA buses (ridership growth)	0.1316	0.2374	-	-	C
M-148 WMATA Bus Information Displays with Maps (2000 cases)	0.0153	0.0266	26,208	15,034	C
M-150 Enhanced Commuter Services- (HOV Facilities)	0.0150	0.0387	568,018	220,630	C
M-151 Enhanced Commuter Services-US 1 (Reverse Commute)	0.0204	0.0410	394,940	196,925	C
M-152 Enhanced Commuter Services- (Rail Relief)	0.0207	0.0534	1,241,895	482,377	C
M-155 Expand Carsharing Program	0.0013	0.0033	439,488	170,706	C
M-156 Free bus-to-rail/ rail-to-bus transfers (Similar to NYC pricing structure)	0.0353	0.0615	3,344,900	1,918,743	C
M-158 Free Bus Service Off-Peak (10:00 AM to 2:00 PM Mid-Day and Weekends)	0.0296	0.0517	2,360,109	1,353,850	C
M-159 W15-590 - Diesel Fuel Additive	-	0.1330	-	2,700	H
M-160 Bose Automobile Anti-Air Pollutant and Energy Conservation System	-	0.6100	-	1,000	H
M-161 Diesel Emulsion Fuel Additive (Non-road or Highway)	-	0.1800	-	12,000	H
M-162 Early Engine Retirement (Pre-88)	-	0.9000	-	2,200	H
M-163 Truck Idling (Truck Stops and Auxiliary Power Unit)	-	0.4000	-	4,600	H
M-164 International Green Diesel Retrofit	-	0.1400	-	141,000	H
M-165 Bike Stations at Rail Station	0.0008	0.0013	886,146	508,274	C
New TERMS (revenue generating)					
M-144 Parking Impact Fees	0.8481	1.4784	-	-	C
Other Suggested Measures- Under Development					
Transit Oriented Development	-	-	-	-	C
Reducing Congestion	-	-	-	-	TR
Heavy Duty Truck Pollution	-	-	-	-	H
Government Actions (ozone action day similar to snow day)	-	-	-	-	C
M-153 Remove 125 Trash Trucks	-	0.4860	-	-	H
M-166 Monthly Transit Pass	-	-	-	-	C
TERMS Suggested by Bicycle and Pedestrian Subcommittee					
Safe Route to School	-	-	-	-	C
On-line Bicycle Routing Software	-	-	-	-	C
Regional Bike Racks	-	-	-	-	C
Bike Lockers at Park & Ride Lots	-	-	-	-	C
Subsidized Off-street Bicycle Parking	-	-	-	-	C

* Project Category: TR - Traffic Stream, C - Commute, H - Heavy Duty Vehicles (Engine Technology), SP- Specific Vehicle Type