

Update on the Congestion Management Process (CMP)

Travel Management Subcommittee

November 24, 2009

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National Capital Region Transportation Planning Board (TPB)

Metropolitan Washington Council of Governments (COG)

Outline

- 2010 CMP Technical Report
 - Major topics
 - Timeline
- Data analysis and sample results
- Documents review and compilation
 - Available and anticipated documents
 - Review of TDM strategies list

Major Topics of the 2010 CMP Technical Report

- Where congestion occurs or will occur in the Washington Metropolitan area
- Consideration and implementation of congestion management strategies
- Studies of congestion management strategies
- How results of the CMP are integrated into the CLRP
- Data and methodologies

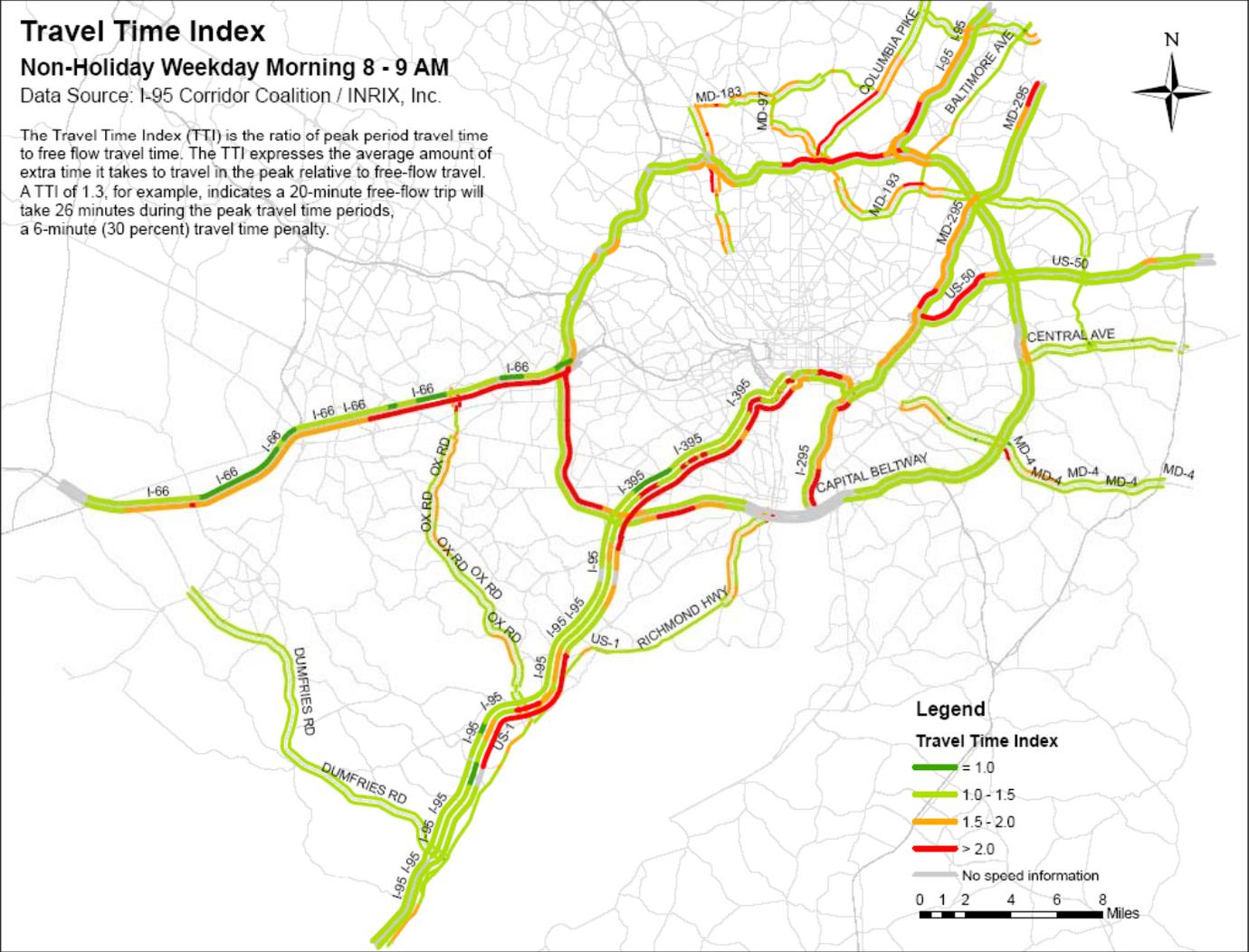
Proposed timeline of the 2010 CMP Technical Report

- 1/15/10 Major data analysis complete
- 2/26/10 Draft report release for committees comments
- 3/26/10 Comments period ends
- 4/9/10 Final report release

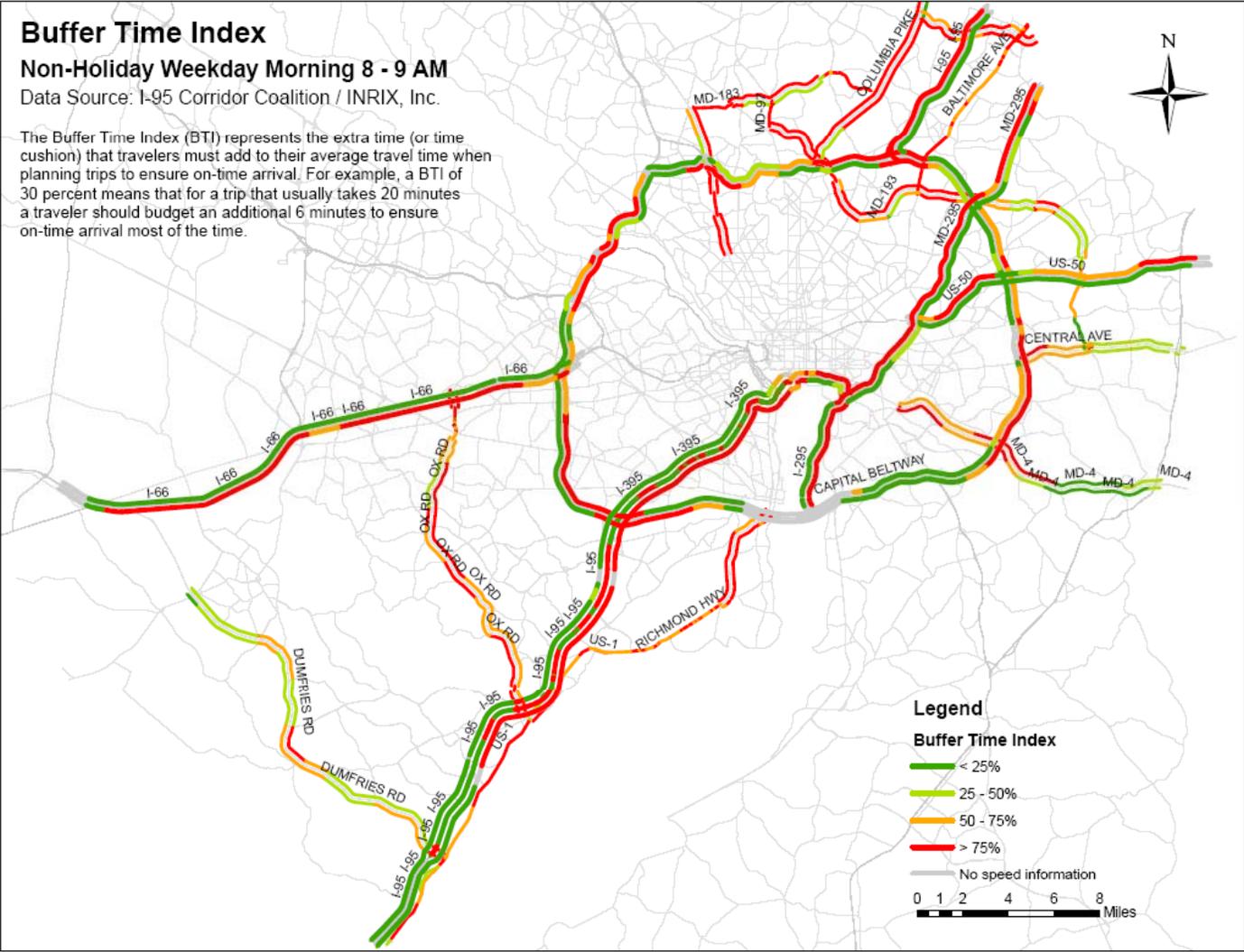
Data analysis and sample results

- Data:
 - INRIX, Inc. / I-95 Corridor Coalition 5-minute aggregated speed and travel time data: 1/1/2009 – 9/30/2009.
 - The 2010 CMP Technical Report will use all 2009 data.
- Analysis results:
 - Travel time index: the ratio of peak period travel time to free flow travel time.
 - Buffer time index: the difference between the 95th percentile travel time and the average travel time, normalized by the average travel time.
 - Planning time index: 95th percentile travel time divided by the free-flow travel time.

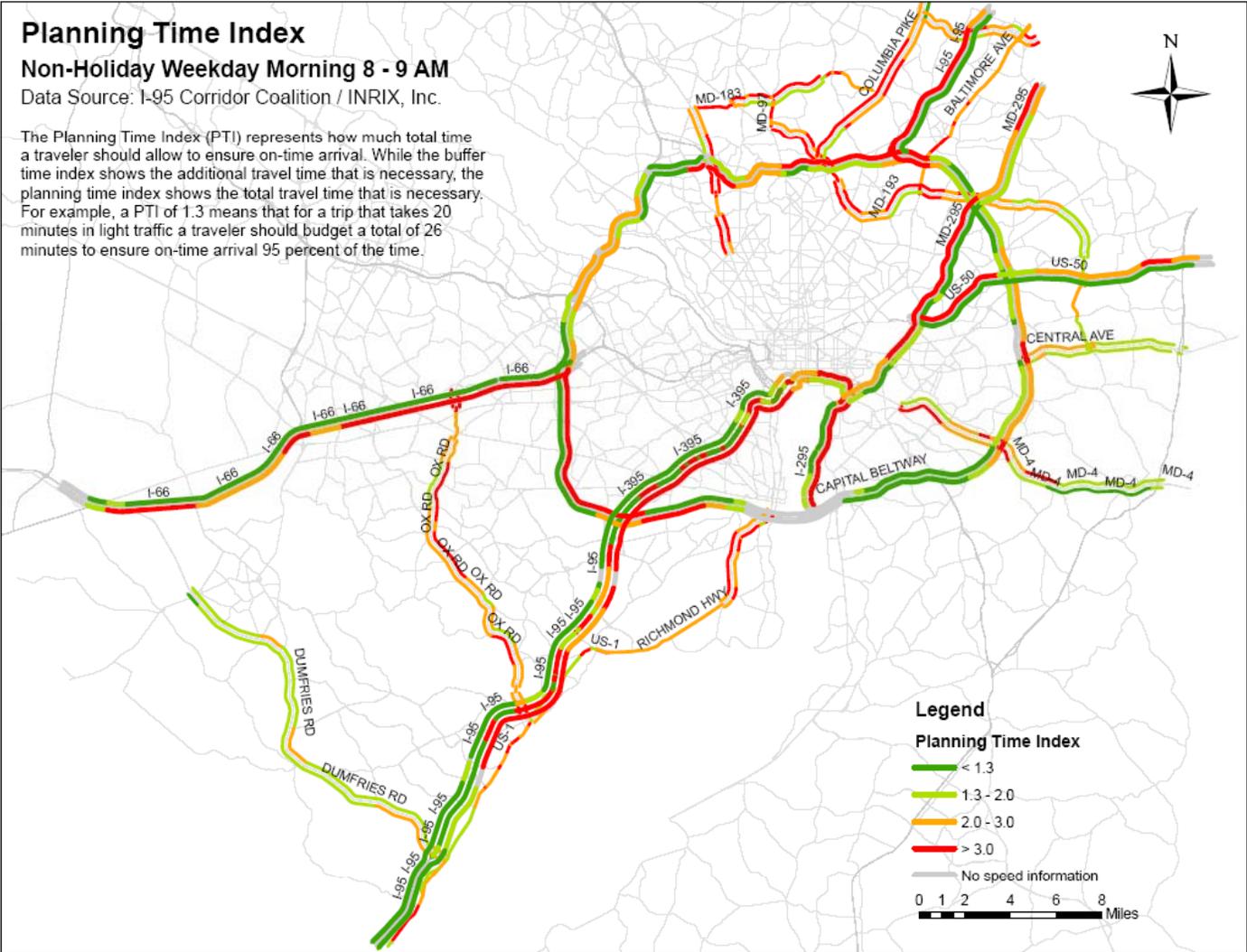
Travel time index (draft)



Buffer time index (draft)



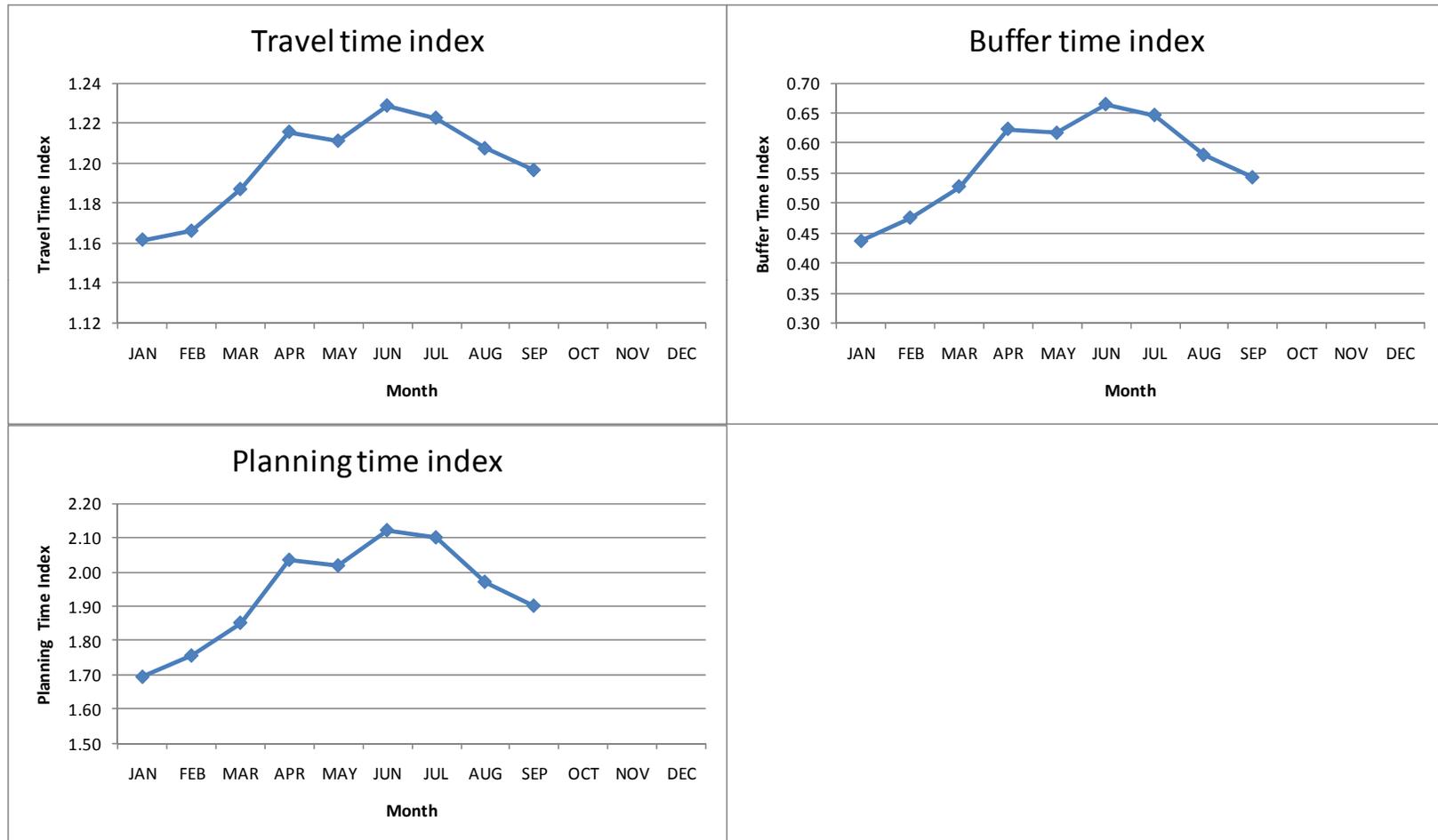
Planning time index (draft)



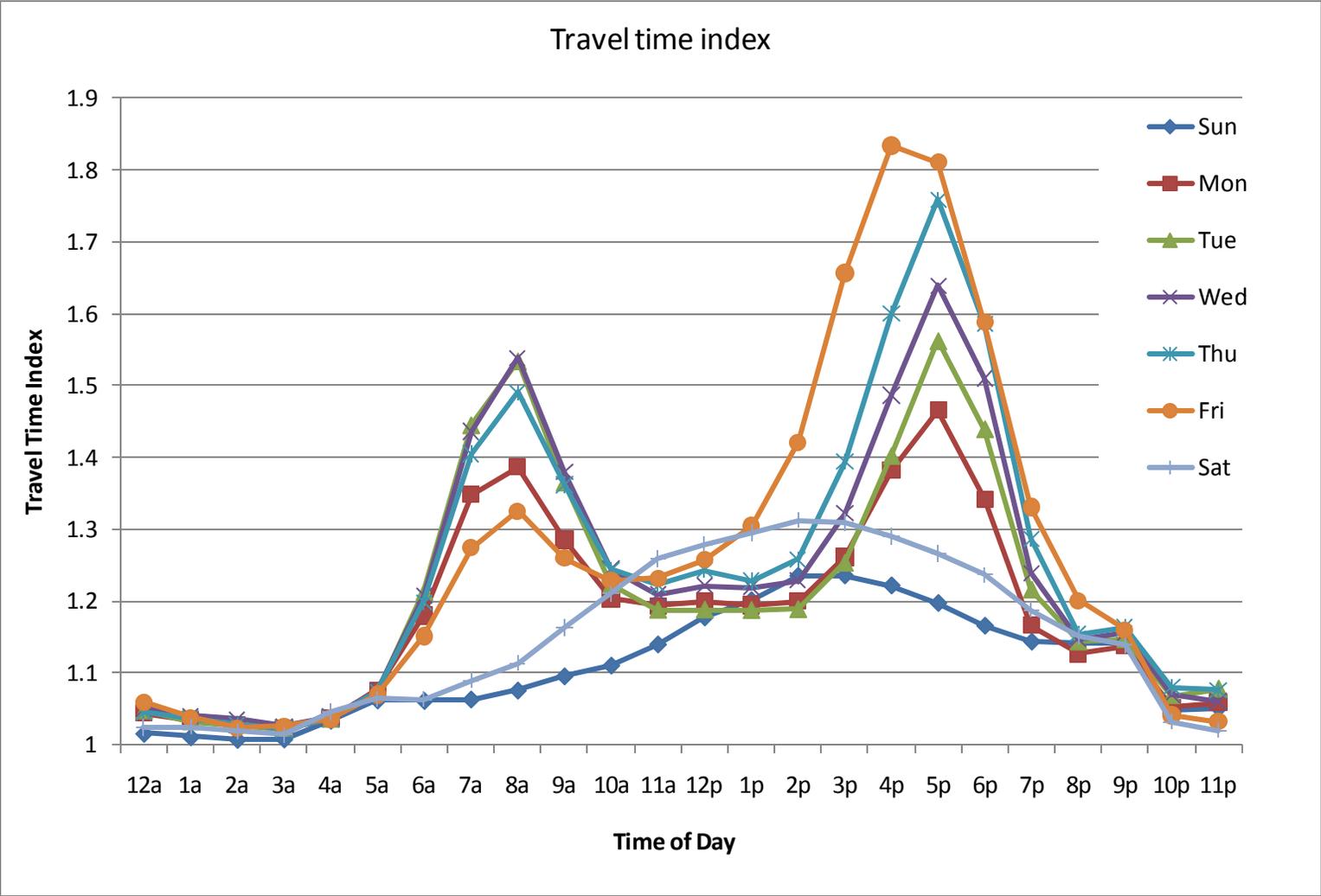
Maps will be drawn for the following time periods:

- Weekday AM peak: 6-7 AM, 7-8 AM, 8-9 AM, 9-10 AM.
 - Weekday PM peak: 3-4 PM, 4-5 PM, 5-6 PM, 6-7 PM.
 - Weekday midday: 10 AM – 3 PM.
 - Weekend: 10 AM – 7 PM.
 - All time: 24/7/365.
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- Comparative data analysis will be performed with the 2008 Spring (Skycomp) survey.

“Regional” summary – by month (draft)



“Regional” summary – by time of day, day of week (draft)



Available and anticipated documents

Chapter	Content	New Data or Documents for Update	
		Available	Anticipated
<i>Where congestion occurs or will occur in the Washington Metropolitan area</i>			
3.1.1	Freeway	2008 Spring Skycomp survey, INRIX data, ADMS Virginia data	
3.1.2	Arterial	New arterial surveys since last CMP update, INRIX data	Clearinghouse
3.2	Transit congestion	Metrorail Station Access & Capacity Study (2008) and Report Appendices 2008 Regional Bus Survey final technical report (June 2009)	WMATA bus AVL data and analysis results
3.3	Bike and Ped.	DC Bike Counts, WMATA Ped and Bike Access Study, Montgomery county mobility study	
3.4	Park-n-ride	TBD	
3.5	Airport access	Washington-Baltimore Regional Airports Air Passenger Ground Access Forecast Update: July 2009 Geographic Findings: 2007 Washington-Baltimore Regional Air Passenger Survey 2007 Washington-Baltimore Regional Air Passenger Survey-Final Report 2008 Washington-Baltimore Regional Air Cargo Study Washington-Baltimore Regional Air Passenger Origin/Destination Forecast Update: May 2008	2009 air passenger survey preliminary results: spring '10
3.6	Freight	Integrate Freight Report	Freight plan
3.7	Safety and congestion	Emphasis area safety data, NHTSA 2007 safety facts, RITIS event data, Street Smart Annual Report & Campaign Results The Regional Transportation Safety Picture	
3.8	National comparison	TTI Urban Mobility Report: July 8, 2009 INRIX national traffic scorecard 2008 annual report	INRIX national traffic scorecard 2009 annual report, FHWA quarterly urban congestion report
3.9	2009 CLRP	2009 CLRP update	

Chapter	Content	New Data or Documents for Update	
		Available	Anticipated
<i>Consideration and implementation of congestion management strategies</i>			
4.2.1	Commuter connection	Guaranteed Ride Home Customer Satisfaction Survey (draft report) Placement Survey (draft report) Employer Satisfaction Survey (draft report) Bike-To-Work-Day (final draft report) Carshare Survey (final draft report) TERM Analysis (draft report) Carpool Incentive Program Project Study Vanpool driver survey	TERM analysis report FY05-08
4.2.2	Local TDM		Committees feedback
4.2.3	Transit	Metrorail Station Access & Capacity Study (2008) and Report Appendices	
4.2.4	Pedestrian and Bicycle	Bike to the Federal workplace COG Household Travel Survey Bike & Ped Results WMATA's Bicycle and Pedestrian Facilities Planning Study Street Smart Program Briefing Bicyclists and Pedestrians in the 2010 Highway Capacity Manual Street Smart FY 2008 Evaluation COG Board Resolution on Pedestrian Safety	
4.2.5	Land use strategies	Round 8 Development of Regional Totals Development of Regional Totals Key Factors Progress Report Overview of Regional Forecasts by Global Insght 2005 -2040 Presentation on Development of a Regional BRT System Proposal	
4.3.1	HOV	Do we have a newer study beyond the 2004 HOV study	
4.3.2	Variably priced lanes	TBD	
4.3.3	Traffic management	MATOC / RITIS	
4.4	Additional capacity	No change	
4.5	Project-related congestion management	To get several major projects based on CMP forms	

Request update of the TDM strategies list

- Memo: Update Local Jurisdictional Travel Demand Management Strategies for the 2010 Congestion Management Process (CMP) Technical Report
<http://www.mwcog.org/uploads/committee-documents/Z15aW1pX20091120160031.doc>
- Old list: 2008 CMP Technical Report page 51-57.
http://www.mwcog.org/commuter2/pdf/2008_CongestionManagement_Process.pdf
- Please provide updated information to DTP staff, Wenjing Pu, via email: wpu@mwcog.org, fax: 202-962-3202, or phone: 202-962-3329.