

MPO AGENDA 7/14/11; ITEM III.D

2035 LRTP AND CMP UPDATES

AGENDA DESCRIPTION: Staff is presenting the proposed scope, work activities and schedule for the 2035 Long Range Transportation Plan (LRTP) and Congestion Management Process (CMP). Staff is also calling for the formation of the LRTP Advisory Committee to guide the progress of the LRTP update. Attached for MPO review is the draft LRTP/CMP scope and schedule (pages 1 – 4). MPO action is requested to approve the attached scope and schedule as guidance and to establish the LRTP Advisory Committee.

LRTP Background/Overview

The LRTP serves as a multi-modal blueprint for the Richmond Region's transportation network. In contrast to the Transportation Improvement Program (TIP), the LRTP is a long term transportation planning document with a horizon of 20 years. The LRTP is financially constrained and must be consistent with federal air quality, environmental justice and planning requirements. Use of federal-aid funds is contingent upon highway and public transportation projects being included in the MPO's adopted LRTP.

The current Richmond Area Long-Range Transportation Plan was adopted by the MPO early in FY 09 (i.e., August 2008). This LRTP has a horizon year of 2031, and was developed in accord with the 2005 federal transportation act entitled the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU). The LRTP should be based on the latest available estimates and assumptions for population, land use, travel, employment, congestion, and economic activity.

Development of the 2035 LRTP Update takes into consideration the 2031 LRTP Advisory Committee's report on "Recommendations for Conducting the Next LRTP Update" and also addresses federal MPO planning regulations for the LRTP and CMP (see Section 450.320, Congestion management process in transportation management areas, and Section 450.322, Development and content of the metropolitan transportation plan). The 2035 LRTP update will utilize a project ranking process using criteria based on the eight planning factors put forth in SAFETEA-LU. This will ensure that project selection directly addresses the factors rather than loosely tying projects to the factors through broad goals and objectives. The eight factors are as follows:

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
2. Increase the safety of the transportation system for motorized and non-motorized users;
3. Increase the security of the transportation system for motorized and non-motorized users;
4. Increase accessibility and mobility of people and freight;

5. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. Promote efficient system management and operation; and
8. Emphasize the preservation of the existing transportation system.

In preparation for the 2035 plan update, staff completed a review of both the current 2031 RAMPO Long Range Plan and of plans from a number of similarly-sized MPO's outside Virginia as well as those from the Fredericksburg and Hampton Roads MPOs. A similar review of project ranking/selection processes is currently underway to aid in the development of a similar process for the RAMPO 2035 LRTP effort.

In FY 11, staff's efforts have focused on completing the 2008 base year data and 2035 forecasts, working with VDOT staff to develop a new model with enhanced and expanded capabilities, and initiating development of the LRTP and CMP work scope and schedule. Staff is planning to initiate public outreach activities for the 2035 LRTP and CMP Updates in the early fall of 2011.

CMP Background/Overview

The Congestion Management Process (CMP) serves as a systematic process for addressing congestion by providing information on transportation system performance and proposing use of alternative strategies and programs to help alleviate congestion. In addition, MPO planning regulations require the MPO to address congestion management through a process that provides for safe and effective integrated management and operation of the multimodal transportation system, based on a cooperatively developed and implemented metropolitan-wide strategy of new existing transportation facilities eligible for funding under title 23 U.S.C. and title 49 U.S.C. Chapter 53, through the use of travel demand reduction and operational management strategies (see Section 450.320 (a) of the MPO planning regulations). The CMP update is included as part of the 2035 LRTP update and scoping process.

The RRPDC expects to transition development of its regional congestion analysis for major highway corridors from GPS travel time runs (when designated roads are driven by staff with a GPS recording device measuring time and location as the road is driven) to use of proprietary travel time data (archived data from INRIX, Inc., provided under contract to VDOT, and VDOT provides to MPO staff at no charge). Note that the INRIX data should provide data for most major roads; however, some GPS travel time runs may still be necessary.

A second major component of the CMP process is the collection and analysis of accident data. VDOT has provided 2009 accident data for all roads in the Richmond Region to RRPDC staff (including non-VDOT administered roads). Staff received this data in late June 2011. Staff will review and analyze this data for use in the CMP (e.g., identify non-recurring congestion areas).

2040 LRTP Vision Plan- Needs Assessment & Future Scenarios

Following completion of the 203 financially constrained LRTP, staff will begin work on a regional needs assessment including alternative future scenarios and analysis that will serve as the initial step for the 2040 LRTP update. A more detailed scope and schedule will be developed for this work effort in 2012.

LRTP Schedule- Major Milestones

<u>July 14, 2011-</u>	Present work scope and schedule to MPO for approval
<u>July-August-</u>	Receive revenue projections from VDOT
<u>End of August-</u>	Complete development of project ranking criteria and process
<u>August-September-</u>	Localities and regional agencies identify projects
<u>November-</u>	Complete project ranking
<u>January 2012-</u>	Approve final fiscally constrained projects list
<u>April-</u>	Complete Air Quality Conformity & Environmental Justice Analyses
<u>May 10-</u>	Review of draft LRTP/CMP Document by MPO
<u>June 14-</u>	MPO approval of draft LRTP/CMP document and submission to FHWA
<u>August 31-</u>	FHWA approval of LRTP conformity analysis

MPO ACTION REQUESTED: Staff recommends the following resolution for MPO review and action:

RESOLVED, that the Richmond Area Metropolitan Planning Organization approves the scope of work and schedule for the 2035 Long-Range Transportation Plan (LRTP) and Congestion Management Process (CMP) update as presented to serve as guidance to staff and the LRTP Advisory Committee for development and submission of the 2035 LRTP and CMP update; and

BE IT FURTHER RESOLVED, that the LRTP Advisory Committee is established as a special-purpose committee to provide oversight and guidance for development of the 2035 LRTP and CMP update and that the Committee have the following voting membership composition:

- From TAC, each local government member
- From CTAC, one local government and one at large member
- From EDAC, one member
- VDOT, one member
- DRPT, one member
- GRTC, one member

Proposed 2035 LRTP and CMP Update Scope of Work

- 1. Executive Summary**
- 2. Introduction**
- 3. Planning Process**
 - 3.1. Institutional Considerations for Transportation Planning, Programming and Implementation*
- 4. Public Involvement**
 - 4.1. Web based LRTP public information/public input*
 - 4.2. Input from Capital Region Collaborative Regional Strategic Plan*
 - 4.3. Input from Local Governments/MPO Agencies on Regional Transportation Priority Projects*
 - 4.4. Public Participation and Outreach Meetings (as per MPO's Public Participation Plan)*
 - 4.5. Meetings with local jurisdictions, MPO Committees and MPO Board*
 - 4.6. Other tasks/activities*
- 5. Regional Demographics**
 - 5.1. Base year data and forecasts complete for population, housing, employment, students and autos*
 - 5.2. Elderly, disabled, minority, low income and limited English proficiency population groups data development*
- 6. Environment**
 - 6.1. Built Environment*
 - 6.2. Natural Environment*
- 7. Regional Road Network**
 - 7.1. Road Network Classifications & Conditions Assessment*
- 8. Regional Transit**
 - 8.1. Local & Express Bus Service*
 - 8.2. Intercity Bus Service*
 - 8.3. Bus Rapid Transit*
 - 8.4. Paratransit*
 - 8.5. Passenger/Intercity Rail*
- 9. Transportation Demand Management**
 - 9.1. RideFinders TDM Long Range Plan*

10. Bicycle & Pedestrian Facilities

- 10.1. Regional Bike/Pedestrian Facilities*
- 10.2. Local Bike/Pedestrian Facilities, Policies & Programs*
- 10.3. Pedestrian Access to Transit*
- 10.4. Regional Recommendations*

11. Freight & Intermodal System

- 11.1. Regional Freight Study & Forum*
- 11.2. Freight Corridor Analysis*

12. Security

- 12.1. Urban Area Security Initiative (UASI)*
- 12.2. Emergency Preparedness*

13. Sustainable Transportation

- 13.1. Sustainable Transportation Initiative of Richmond (STIR) Activities*
- 13.2. Energy considerations/trends*

14. Travel Demand Modeling

- 14.1. Modeling Program Overview*

15. Intelligent Transportation Systems

- 15.1. Virginia Central Region ITS Architecture*
- 15.2. RAMPO ITS Workgroup & Strategic Plan*

16. Congestion Management Process

- 16.1. Federal Guidance*
- 16.2. Safety*
- 16.3. Congestion Analysis, Strategies & Implementation Measures*
- 16.4. Update of Congestion Management Process (CMP) document*

17. Financially Constrained Plan

- 17.1. Project Ranking*
- 17.2. Financial Resources*
- 17.3. Financially Constrained Projects List*
- 17.4. Environmental Justice Analysis*
- 17.5. Air Quality Conformity Analysis*

18. Regional Transportation & Land Use Performance Measures

- 18.1. Process/Description*
- 18.2. Performance Measures & Targets*

Richmond Area MPO 2035 LRTP Update- Proposed 2012 Schedule(revised 7/11/11)

TASK	January 2012							February							March							April							May							June							July						
	2	9	16	23	30	6	13	20	27	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	1	8	15	22	29	5	12	19	26	2	9	16	23	30									
MPO Meetings																																																	
TAC Meetings																																																	
CTAC Meetings																																																	
EDAC Meetings																																																	
LRTP Advisory Committee Meetings																																																	
REVIEWS & APPROVALS																																																	
MPO Progress Updates																																																	
CTAC/EDAC Progress Updates																																																	
MPO Review & Approval																																																	
FHWA/FTA/EPA Review																																																	
PLAN COMPIATION & EDITING																																																	
DATA COLLECTION & ANALYSIS																																																	
MAPPING																																																	
MODELING																																																	
CMP DOCUMENT UPDATE																																																	
PROJECT RANKING PROCESS DEVELOPMENT																																																	
PROJECT RANKING																																																	
FINANCIAL RESOURCES																																																	
CONSTRAINED PROJECT LIST																																																	
ENVIRONMENTAL JUSTICE ANALYSIS																																																	
AIR QUALITY CONFORMITY ANALYSIS																																																	
PUBLIC INVOLVEMENT																																																	