DVRPC 2012 Congestion Management Process

Limiting Traffic Congestion and Achieving Regional Goals
The Delaware Valley Regional Planning Commission is dedicated to uniting the region’s elected officials, planning professionals, and the public with a common vision of making a great region even greater. Shaping the way we live, work, and play, DVRPC builds consensus on improving transportation, promoting smart growth, protecting the environment, and enhancing the economy. We serve a diverse region of nine counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia in Pennsylvania; and Burlington, Camden, Gloucester, and Mercer in New Jersey. DVRPC is the federally designated Metropolitan Planning Organization for the Greater Philadelphia Region — leading the way to a better future.

The symbol in our logo is adapted from the official DVRPC seal and is designed as a stylized image of the Delaware Valley. The outer ring symbolizes the region as a whole while the diagonal bar signifies the Delaware River. The two adjoining crescents represent the Commonwealth of Pennsylvania and the State of New Jersey.

DVRPC is funded by a variety of funding sources including federal grants from the U.S. Department of Transportation’s Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), the Pennsylvania and New Jersey departments of transportation, as well as by DVRPC’s state and local member governments. The authors, however, are solely responsible for the findings and conclusions herein, which may not represent the official views or policies of the funding agencies.

DVRPC fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. DVRPC’s website (www.dvrpc.org) may be translated into multiple languages. Publications and other public documents can be made available in alternative languages and formats, if requested. For more information, please call (215) 238-2871.
Table of Contents

CHAPTER 1
Introduction .............................................................................................................................. 1
- DVRPC’s Perspective on Transportation Planning ............................................................... 2
- DVRPC’s Perspective on Transportation Planning: Congestion Management Process ....... 3
- Applicable Regulations ........................................................................................................ 4

CHAPTER 2
Cooperation and Coordination ............................................................................................... 7
- The CMP Advisory Committee .......................................................................................... 7
- Coordination within DVRPC ............................................................................................. 8
- Public Participation ............................................................................................................. 8
- Environmental Justice ....................................................................................................... 8

CHAPTER 3
Evaluation ............................................................................................................................... 13
- Goals and Objectives ....................................................................................................... 13
- Regional Analysis ............................................................................................................. 14
- Updating Corridors .......................................................................................................... 17
- Advancing from Objectives and Criteria to Strategies ...................................................... 17
- Range of Strategies to Reduce Congestion ......................................................................... 19

CHAPTER 4
Congested Corridors and Strategies ................................................................................... 37
- DVRPC Congested Corridors ............................................................................................ 38
- Strategies Appropriate Everywhere ................................................................................. 41
- Very Appropriate Strategies by Subcorridor .................................................................... 41

CHAPTER 5
Next Steps ............................................................................................................................ 167
- Conclusions and Ideas for the Future ............................................................................... 175

Figures and Tables
Figure 1: Overview of New Jersey Corridors ......................................................................... 39
Figure 2: Overview of Pennsylvania Corridors ...................................................................... 40
Figure 3: 2012 NJ CMP Corridor 1: I-295, New Jersey Turnpike North ................................. 42
Figure 4: 2012 NJ CMP Corridor 2: I-295, New Jersey Turnpike South ................................ 45
Figure 5: 2012 NJ CMP Corridor 3: Atlantic City Expressway/NJ 42 ........................................ 49
Figure 6: 2012 NJ CMP Corridor 4: US 1 and US 206 ............................................................ 53
Figure 7: 2012 NJ CMP Corridor 5: US 30 ........................................................................... 58
Figure 8: 2012 NJ CMP Corridor 6: US 130 ......................................................................... 62
Figure 9: 2012 NJ CMP Corridor 7: US 322 ....................................................................... 71
Appendices

Appendix A

CMP Criteria .............................................................................................................................. A–1

Appendix B

Secondary Strategies by Subcorridor ..................................................................................... B–1

Appendix C

CMP Bibliography .................................................................................................................. C–1

11042

April 2013

The nine-county Philadelphia metropolitan area, which includes the counties of Bucks, Chester, Delaware, Montgomery, and Philadelphia in Pennsylvania, and Burlington, Camden, Gloucester, and Mercer in New Jersey

Congestion Management Process (CMP), traffic, multimodal, goods movement, transportation, corridors, strategies, Single-Occupancy Vehicles (SOV), capacity, long-range plan, Transportation Improvement Program (TIP), regional transportation planning, criteria, operations

A CMP is a systematic process to manage congestion. It identifies specific multimodal strategies for all locations in the region to minimize congestion and enhance the ability of people and goods to reach their destinations. The CMP advances the goals of the DVRPC Long-Range Plan and strengthens the connection between the Connections plan and the Transportation Improvement Program (TIP). The 2012 DVRPC CMP supersedes the 2006 and 2009 editions. It was adopted by the DVRPC Board in June 2011.

Zoe Neaderland
Manager, Office of Transportation Safety and Congestion Management
☎ (215) 238-2839
✉ zneaderland@dvrpc.org

Jesse Buerk
Transportation Planner
☎ (215) 238-2948
✉ jbuerk@dvrpc.org

Delaware Valley Regional Planning Commission
190 N. Independence Mall West, 8th Floor
Philadelphia PA 19106
Phone: (215) 592-1800
Fax: (215) 592-9125
Internet: www.dvrpc.org