

# National Capital Region Transportation Planning Board

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## MEMORANDUM

**TO:** TPB Technical Committee  
Commuter Connections Subcommittee  
Travel Management Subcommittee  
Management, Operations, and Intelligent Transportation Systems (MOITS) Technical Subcommittee

**FROM:** Andrew J. Meese, AICP  
Systems Management Planning Director  
  
Melanie Wellman  
Transportation Planner

**DATE:** February 29, 2008

**SUBJECT:** Congestion Management Process (CMP) Reference Materials for Completion of the CMP Documentation Forms

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### **Instructions for Review**

This memorandum is to ask for your review and comments by **March 18, 2008** on draft Congestion Management reference materials.

- Please review **Attachment 1**, a spreadsheet titled “Congestion Management Process (CMP) Reference Materials for Local Jurisdictions” for errors or omissions. We would appreciate any corrections you have to factual errors in the spreadsheet, as well as important additions or changes.
- It is also asked that this package be shared with personnel in your agencies directly responsible for filling out CLRP/TIP submissions for their awareness and to give them an opportunity to comment (please see Background section below for more information on this).
- Provide any corrections and comments to Andrew Meese at [ameese@mwcog.org](mailto:ameese@mwcog.org), (202) 962-3789 (phone) or (202) 962-3202 (fax) by **Tuesday, March 18, 2008**.
- This request asks for review and comments on **Attachment 1**. Attachments 2 and 3 are previously finalized documents that are included here only as background information.

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## Background

At the request of the Travel Management Subcommittee, these draft reference materials are being distributed to the Technical Committee and other stakeholders for review and comment. These materials have been developed to assist agencies as they fill out Congestion Management Documentation Forms (required for single occupant vehicle [SOV] capacity-increasing projects) pursuant to the Call for Projects for the 2008 CLRP. Comments are requested by March 18 so the final reference materials will be available in advance of the April 25 deadline for completed Congestion Management Documentation Forms.

Federal regulations state that any project proposing a significant increase in SOV capacity must show how congestion management strategies have been considered to effectively manage the additional capacity. In our region this is being accomplished by agencies completing a Congestion Management Documentation Form which describes what type of congestion management strategies have been considered, or are implemented, in the project's vicinity.

Agencies completing these forms are able to cite various ongoing strategies going on in the region and in their local jurisdiction and corridor. However, personnel filling in the forms may not be aware of the strategies being undertaken in the region or at or near the specific location in question (e.g. transit services, alternative commute programs, public transportation improvements, traffic management technologies). Staff developed Attachment 1 as a spreadsheet that programmers could refer to as they fill out forms, with a listing of CMP demand management and operations management strategies being undertaken in the region. Note that agency personnel may also need to coordinate within their own agencies to find out about other strategies that are being or might have been considered in conjunction with the proposed SOV project. Also, the final spreadsheet will be available in electronic form, allowing users to use search and sort software features to help find and analyze the information therein.

The reference material contains information broken down into the following categories, listed along the top of the spreadsheet:

- *Geography* – Indicates to what extent a project is implemented. The projects could be region-wide, or implemented in a particular state or multi-jurisdictional area, county, city, or localized corridor.
- *Location* – Provides more detailed information on the location of a project. For example, a project may just be implemented in a certain area of a county, throughout multiple counties, or simply along one or two specific roadways.
- *Local Jurisdiction/Organization* – Provides the specific name of an agency or organization implementing the strategy.
- *Strategy Name* – Identifies the specific type of strategy being implemented
- *Operational or Demand Mngt. Strategy* – Indicates whether a strategy is managing operations (contributing to the more effective use of existing systems) or managing demand (influencing traveler's behavior).
- *Project/Program Name* – Provides the specific name of the program being implemented.
- *Description* – Briefly describes the program.

- *Website* – Provides the link (if available) to the Website on the program. This could be especially useful for public transportation agencies, which provide bus and rail schedules on their website.

### **Additional Attachments Included for Background Reference**

- **Attachment 2:** Blank CLRP documentation form and Congestion Management Documentation Form. Note that the forms in Attachment 2 were finalized in fall 2007 as part of the TPB-approved Call for Projects document. Because they have already gone through the TPB approval process, we will not be making changes on these forms at this time; if you have comments on the forms in Attachment 2, they will be carried forward for consideration in next year's Call for Projects document.
- **Attachment 3:** Filled-in version of the CMP sub-form, which was distributed to the Technical Committee at its January 4, 2008 meeting. This form includes sample generic language that agencies can use as a basis for filling out the forms.

## Congestion Management Process (CMP) Reference Material on Local Jurisdictions

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Geography	Location	Local Jurisdiction / Organization	Strategy Name	Operational or Demand Mngt. Strategy	Project/Program Name	Description	Website
Region-wide	Region-wide	Commuter Connections (MWCOG)	Alternative Commute Programs	Demand	Commuter Connections	Serves as a resource for commute programs (carpooling, vanpooling, ridesharing, Guaranteed Ride Home, etc).	<a href="http://www.mwcog.org/commuter2/index.html">http://www.mwcog.org/commuter2/index.html</a>
Region-wide	Region-wide	Washington Metropolitan Area Transit Authority (WMATA)	Public Transportation Improvements	Demand	Metrobus transit	Public bus service available throughout the region. Connects to other modes: Metrorail, commuter rail, park-and-ride lots, etc.	<a href="http://www.wmata.com/metrobus/">http://www.wmata.com/metrobus/</a>
Region-wide	Region-wide	Washington Metropolitan Area Transit Authority (WMATA)	Public Transportation Improvements	Demand	Metrorail transit	Public rail services DC, MD, and VA. Connects to Metrobus and local bus systems.	<a href="http://www.wmata.com/metrorail/systemmap.cfm">http://www.wmata.com/metrorail/systemmap.cfm</a>
Region-wide	Region-wide	Washington Metropolitan Area Transit Authority (WMATA)	Park-and-ride lot improvements	Demand	Metrorail station park and-ride lots	Parking offered at 42 stations.	<a href="http://www.wmata.com/metrorail/daily-parking.cfm">http://www.wmata.com/metrorail/daily-parking.cfm</a>
Region-wide	Region-wide	Washington Metropolitan Area Transit Authority (WMATA)	Electronic Payment Systems	Operational	Metro SmarTrip	User can use one card to access bus, rail, and park-and-ride lots, making it convenient to use public transit.	<a href="http://www.wmata.com/riding/smartrip.cfm">http://www.wmata.com/riding/smartrip.cfm</a>
State/Multi-jurisdictional	Maryland State wide	CHART (Joint effort of MDOT, MTA, MSP and other agencies)	Incident Management / Non-recurring	Operational	Maryland's Coordinated Highway Action Response Team (CHART)	Service patrols, Emergency response units.	<a href="http://www.chart.state.md.us/default.asp">http://www.chart.state.md.us/default.asp</a>
State/Multi-jurisdictional	Maryland State wide	CHART (Joint effort of MDOT, MTA, MSP and other agencies)	Advanced Traveler Information Systems	Operational	Maryland's Coordinated Highway Action Response Team (CHART)	Variable Message Signs, traveler information.	<a href="http://www.chart.state.md.us/default.asp">http://www.chart.state.md.us/default.asp</a>
State/Multi-jurisdictional	Maryland State wide	Maryland Department of Transportation (MDOT)	Pedestrian, Bicycle, and Multimodal Improvements	Demand	Maryland Bicycle and Pedestrian Advisory Committee (MBPAC)	Provides information on biking, walking. Master Plan guides bike/ped planning in the State.	<a href="http://www.mdot.state.md.us/Planning/Bicycle/BikePedPlanIndex">http://www.mdot.state.md.us/Planning/Bicycle/BikePedPlanIndex</a>

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State/Multi-jurisdictional	Maryland State wide	Maryland Department of Transportation (MDOT)	Telecommuting	Demand	MDOT's Telework Partnership with Employers	Offers free teleworking consulting services to Maryland employers. Promotes teleworking.	<a href="http://www.mdot.state.md.us/Planning/Telework%20Partnership%20Web%20Page/Telework%20Partnership%20with%20Employers">http://www.mdot.state.md.us/Planning/Telework%20Partnership%20Web%20Page/Telework%20Partnership%20with%20Employers</a>
State/Multi-jurisdictional	Maryland State wide	Maryland Department of Transportation (MDOT)	Employer outreach / mass marketing	Demand	MDOT's Commuter Choice	Reaches out to Maryland employers and offers incentives to implement a commuter program.	<a href="http://www.mdot.state.md.us/Planning/CommuterChoice/What%20is%20Commuter%20Choice/introduction">http://www.mdot.state.md.us/Planning/CommuterChoice/What%20is%20Commuter%20Choice/introduction</a>
State/Multi-jurisdictional	State-wide	Maryland Transit Administration (MTA)	Public Transportation Improvements	Demand	MDOT's MARC train	Maryland MTAPublic commuter rail serving Montgomery County, Prince William County, Frederick County, and into DC.	<a href="https://www.mtamaryland.com/services/marc/index.cfm">https://www.mtamaryland.com/services/marc/index.cfm</a>
State/Multi-jurisdictional	State-wide	Maryland Transit Administration (MTA)	Public Transportation Improvements	Demand	Local bus	Maryland MTA Public bus service throughout Maryland, primarily around the Baltimore-DC area.	<a href="https://www.mtamaryland.com/services/buses/routes/bus/">https://www.mtamaryland.com/services/buses/routes/bus/</a>
State/Multi-jurisdictional	State-wide	Maryland Transit Administration (MTA)	Public Transportation Improvements	Demand	Commuter Bus	Maryland MTA Commuter bus service in Maryland and DC's inner-ring suburbs.	<a href="https://www.mtamaryland.com/services/commuterbus/">https://www.mtamaryland.com/services/commuterbus/</a>
State/Multi-jurisdictional	District-wide	District Department of Transportation (DDOT)	Pedestrian, Bicycle and Multimodal Improvements	Demand	Bicycle and Pedestrian Programs	Committed to providing safe and convenient bicycle and pedestrian access throughout the City.	<a href="http://ddot.dc.gov/ddot/cwp/view.a.1245.q.630997.ddotNav_GID.1586.ddotNav.%7C32399%7C.asp">http://ddot.dc.gov/ddot/cwp/view.a.1245.q.630997.ddotNav_GID.1586.ddotNav.%7C32399%7C.asp</a>
State/Multi-jurisdictional	District-wide	District Department of Transportation (DDOT)	Carsharing Programs	Demand	DDOT Carsharing Initiative	A network of vehicles offered for rent to the public. Allows mobility of a car without owning one.	<a href="http://ddot.dc.gov/ddot/cwp/view.a.1250.q.631522.ddotNav_GID.1745.ddotNav.%7C34000%7C.asp">http://ddot.dc.gov/ddot/cwp/view.a.1250.q.631522.ddotNav_GID.1745.ddotNav.%7C34000%7C.asp</a>
State/Multi-jurisdictional	District-wide	District Department of Transportation (DDOT)	Traffic Engineering Improvements	Operational	DDOT Street Construction Projects	Various street construction projects help with non-recurring congestion by improving high incident intersections.	<a href="http://app.ddot.dc.gov/information_ds/construction/index.asp">http://app.ddot.dc.gov/information_ds/construction/index.asp</a>
State/Multi-jurisdictional	District-wide	District Department of Transportation (DDOT)	Traffic Engineering Improvements	Operational	DDOT Major Construction Projects	These major projects improve the condition of roadways and help provide bike/ped connections.	<a href="http://ddot.dc.gov/ddot/cwp/view.a.1250.q.638109.ddotNav_GID.1752.ddotNav.%7C34192%7C.asp">http://ddot.dc.gov/ddot/cwp/view.a.1250.q.638109.ddotNav_GID.1752.ddotNav.%7C34192%7C.asp</a>
State/Multi-jurisdictional	District-wide	District Department of Transportation (DDOT)	Public Transportation Improvements	Demand	DDOT Mass transit	DDOT helps coordinate mass transit with agencies and WMATA.	<a href="http://ddot.dc.gov/ddot/cwp/view.a.1250.q.638123.ddotNav_GID.1586.ddotNav.%7C32399%7C.asp">http://ddot.dc.gov/ddot/cwp/view.a.1250.q.638123.ddotNav_GID.1586.ddotNav.%7C32399%7C.asp</a>

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State/Multi-jurisdictional	District-wide	District Department of Transportation (DDOT)	Advanced Traveler Information Systems	Operational	Traveler Information	DDOT provides traveler information in the form of road closures, construction, traffic alerts, and cameras.	<a href="http://ddot.dc.gov/ddot/cwp/view,a.1250,q.637794,ddotNav_GID.1586,ddotNav_%7C32399%7C.asp">http://ddot.dc.gov/ddot/cwp/view,a.1250,q.637794,ddotNav_GID.1586,ddotNav_%7C32399%7C.asp</a>
State/Multi-jurisdictional	District-wide	District Department of Transportation (DDOT)	Automated Enforcement (red light cameras)	Operational	DDOT Red Light Camera Installation	Red light cameras reduce the frequency of red-light running and thus reduce incidents at intersections.	<a href="http://ddot.dc.gov/ddot/cwp/view,a.1250,q.634154,ddotNav_GID.1748,ddotNav_%7C34090%7C.asp">http://ddot.dc.gov/ddot/cwp/view,a.1250,q.634154,ddotNav_GID.1748,ddotNav_%7C34090%7C.asp</a>
State/Multi-jurisdictional	Takoma Park and Takoma Park, MD	District Department of Transportation (DDOT)	Growth Management	Demand	DDOT's Takoma Transportation Study	A study done for Takoma area of DC and adjacent Takoma Park, MD. Study recommends pedestrian, bicycle, transit, and road improvements.	<a href="http://ddot.dc.gov/ddot/cwp/view,a.1249,q.561963.asp">http://ddot.dc.gov/ddot/cwp/view,a.1249,q.561963.asp</a>
State/Multi-jurisdictional	Downtown DC	Partnership of DDOT, WMATA, and DC Surface Transit	Public Transportation Improvements	Demand	DC Circulator	A public bus system serving downtown DC.	<a href="http://www.dccirculator.com/routemap.html">http://www.dccirculator.com/routemap.html</a>
State/Multi-jurisdictional	Between DC and Richmond, VA	Virginia Dept. of Rail and Public Transportation (VDRPT)	Public Transportation Improvements	Demand	VDRP Corridor Improvement Program	A program to increase capacity and reliability of rail service between Richmond and DC. Includes VRE.	<a href="http://www.drpt.virginia.gov/projects/washingtoncorridor.aspx">http://www.drpt.virginia.gov/projects/washingtoncorridor.aspx</a>
State/Multi-jurisdictional	Fairfax and Loudoun Co. VA	Virginia Dept. of Rail and Public Transportation (VDRPT)	Public Transportation Improvements	Demand	VDRP Dulles Corridor Metrorail Project	In cooperation with WMATA and local governments. Plans to construct an extension of Metrorail to Dulles Airport.	<a href="http://www.drpt.virginia.gov/projects/dulles.aspx">http://www.drpt.virginia.gov/projects/dulles.aspx</a>
State/Multi-jurisdictional	Throughout VA	Virginia Dept. of Rail and Public Transportation (VDRPT)	Telecommuting	Demand	VDRP Telework!VA	Primary resource for agencies to start a telework program in VA.	<a href="http://www.drpt.virginia.gov/projects/teleworkva.aspx">http://www.drpt.virginia.gov/projects/teleworkva.aspx</a>
State/Multi-jurisdictional	I-95 and I-395 in Virginia	Virginia Dept. of Rail and Public Transportation (VDRPT)	Public Transportation Improvements	Demand	VDRP I-95/I-395 TDM Study	A study to enhance TDM and transit services in the Corridor, in conjunction with the HOT lanes project.	<a href="http://www.drpt.virginia.gov/projects/TransitTDMStudy.aspx">http://www.drpt.virginia.gov/projects/TransitTDMStudy.aspx</a>
State/Multi-jurisdictional	Loudoun, Fairfax, Arlington, and Prince William Counties	Virginia Dept. of Transportation (VDOT)	Traffic Engineering Improvements	Operational	Northern VA Projects	Several of these roadway projects will help ease congestion in the region.	<a href="http://www.virginiadot.org/projects/northern%20virginia/default.asp">http://www.virginiadot.org/projects/northern%20virginia/default.asp</a>
State/Multi-jurisdictional	Throughout Northern VA	Virginia Dept. of Transportation (VDOT)	511	Operational	VDOT 511 Virginia	Provides current travel information, such as incidents by location, and public transit information.	<a href="http://www.511virginia.org/">http://www.511virginia.org/</a>

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State/Multi-jurisdictional	Throughout northern VA	VDOT Northern VA Traffic Management Center	Traffic Management Centers (TMC)	Operational	Northern Virginia Traffic Management Center	Monitors traffic and detects incidents. Alerts the public of traffic conditions.	<a href="http://www.virginiadot.org/travel/smart-traffic-center-nova.asp">http://www.virginiadot.org/travel/smart-traffic-center-nova.asp</a>
State/Multi-jurisdictional	Throughout Northern VA	VDOT Northern VA Traffic Management Center	Imaging/Video for surveillance and detection	Operational	Northern Virginia Traffic Management Center	Uses video to monitor and detect incidents.	<a href="http://www.virginiadot.org/travel/smart-traffic-center-nova.asp">http://www.virginiadot.org/travel/smart-traffic-center-nova.asp</a>
State/Multi-jurisdictional	Throughout Northern VA	VDOT Northern VA Traffic Management Center	Reversible Lanes	Operational	Northern Virginia Traffic Management Center	Reversible lanes are used to accommodate traffic flow heading north and east in the morning and south and west in the afternoon.	<a href="http://www.virginiadot.org/travel/smart-traffic-center-nova.asp">http://www.virginiadot.org/travel/smart-traffic-center-nova.asp</a>
State/Multi-jurisdictional	Throughout Northern VA	VDOT Northern VA Traffic Management Center	Variable Message Signs (VMS)	Operational	Northern Virginia Traffic Management Center	Variable Message Signs are used to alert the public of traffic conditions.	<a href="http://www.virginiadot.org/travel/smart-traffic-center-nova.asp">http://www.virginiadot.org/travel/smart-traffic-center-nova.asp</a>
State/Multi-jurisdictional	Throughout Northern VA	VDOT Northern VA Traffic Management Center	Highway Advisory Radio (HAR)	Operational	Northern Virginia Traffic Management Center	Highway Advisory Radio is used to alert the public of traffic conditions.	<a href="http://www.virginiadot.org/travel/smart-traffic-center-nova.asp">http://www.virginiadot.org/travel/smart-traffic-center-nova.asp</a>
State/Multi-jurisdictional	Throughout Northern VA	VDOT Northern VA Traffic Management Center	Freeway Ramp Metering	Operational	Northern Virginia Traffic Management Center	Ramp meters are used inside the beltway	<a href="http://www.virginiadot.org/travel/smart-traffic-center-nova.asp">http://www.virginiadot.org/travel/smart-traffic-center-nova.asp</a>
State/Multi-jurisdictional	Loudoun, Fairfax, Arlington, and Prince William Counties	Northern Virginia Transportation Authority	Public Transportation Improvements	Demand	NVTA's TransAction 2030 Regional Transportation Plan	Identifies a number of public transit improvements, including new park-and-ride lots throughout Northern VA.	<a href="http://www.thenovaaauthority.org/projects.html">http://www.thenovaaauthority.org/projects.html</a>
State/Multi-jurisdictional	Loudoun, Fairfax, Arlington, and Prince William Counties	Northern Virginia Transportation Authority	Traffic Engineering Improvements	Operational	NVTA's TransAction 2030 Regional Transportation Plan	Identifies a number of roadway projects throughout Northern Va.	<a href="http://www.thenovaaauthority.org/projects.html">http://www.thenovaaauthority.org/projects.html</a>
State/Multi-jurisdictional	Loudoun, Fairfax, Arlington, and Prince William Counties	Northern Virginia Transportation Authority	Alternative Commute Programs	Demand	NVTA's Mission of the Authority	Responsibilities include a general oversight of regional congestion mitigation, including carpooling, vanpooling, and other commute programs	<a href="http://www.thenovaaauthority.org/mission.html">http://www.thenovaaauthority.org/mission.html</a>

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State/Multi-jurisdictional	Northern VA and the District of Columbia	Virginia Railway Express (VRE)	Public Transportation Improvements	Demand	VRE	Commuter rail serving Northern VA and two stations in the District. Connects to local transit.	<a href="http://www.vre.org/service/systmmp.htm">http://www.vre.org/service/systmmp.htm</a>
State/Multi-jurisdictional	Prince William Co., Manassas, and several locations in VA & DC	Potomac and Rappahannock Transportation Commission (PRTC)	Public Transportation Improvements	Demand	PRTC's OmniRide	Commuter bus service along I-95 and I-66 corridor in Prince William Co., Manassas, and to several locations in VA & DC, including Metrorail stations.	<a href="http://www.prtctransit.org/omniride/index.php">http://www.prtctransit.org/omniride/index.php</a>
State/Multi-jurisdictional	Eastern Prince William Co. and Manassas	Potomac and Rappahannock Transportation Commission (PRTC)	Public Transportation Improvements	Demand	PRTC's OmniLink	A local bus service in Eastern Prince William Co. and Manassas	<a href="http://www.prtctransit.org/omnilink/index.php">http://www.prtctransit.org/omnilink/index.php</a>
State/Multi-jurisdictional	Prince William Co. and Manassas	Potomac and Rappahannock Transportation Commission (PRTC)	Ridematching Services	Demand	PRTC's OmniMatch	A free ridematching service for carpooler and vanpoolers originating in Prince William Co and Manassas.	<a href="http://www.prtctransit.org/omnimatch/index.php">http://www.prtctransit.org/omnimatch/index.php</a>
County	Southern Montgomery County	Montgomery County, MD	Regional bus transit	Demand	Montgomery County Ride-On	Public transit bus system. Includes VanGo free shuttle.	<a href="http://www.montgomerycountymd.gov/tsvtmpl.asp?url=/content/dpwt/transit/index.asp">http://www.montgomerycountymd.gov/tsvtmpl.asp?url=/content/dpwt/transit/index.asp</a>
County	Throughout Montgomery County	Montgomery County, MD	Traffic Engineering Improvements: Safety, Turn lanes, etc.	Operational	Capital Projects and Construction - road projects	Various construction projects taking place throughout the County.	<a href="http://www.montgomerycountymd.gov/content/dpwt/capital/dcd/index.asp?pageid=3">http://www.montgomerycountymd.gov/content/dpwt/capital/dcd/index.asp?pageid=3</a>
County	Throughout Montgomery County	Montgomery County, MD	Pedestrian, Bicycle and Multimodal Improvements	Demand	Capital Projects and Construction - Pedestrian projects	Ongoing bicycle and pedestrian projects in the County.	<a href="http://www.montgomerycountymd.gov/content/dpwt/capital/dcd/PedestrianFacilities.asp?name=PEDESTRIAN%20FACILITIES">http://www.montgomerycountymd.gov/content/dpwt/capital/dcd/PedestrianFacilities.asp?name=PEDESTRIAN%20FACILITIES</a>
County	Throughout Montgomery County	Montgomery County, MD	Alternative Commute Programs	Demand	Montgomery County Commuter Services	Provides information on and promotes alternative commute programs. Includes Fare Share, an alternative commute subsidy program.	<a href="http://www.montgomerycountymd.gov/mcgtmpl.asp?url=/content/dpwt/transit/commuter/index.asp">http://www.montgomerycountymd.gov/mcgtmpl.asp?url=/content/dpwt/transit/commuter/index.asp</a>
County	Throughout Montgomery County	Montgomery County, MD	Advanced Traveler Information Systems	Operational	Montgomery County Advanced Transportation Management System (ATMS)	Traffic cameras and real-time traffic information.	<a href="http://www.montgomerycountymd.gov/tmctmpl.asp?url=/content/dpwt/operations/tmc/index.asp">http://www.montgomerycountymd.gov/tmctmpl.asp?url=/content/dpwt/operations/tmc/index.asp</a>

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County	Throughout Prince George's County	Prince George's County Dept. of Public Works and Transportation	Public Transportation Improvements	Demand	Prince George's County TheBus	Public bus transit serving Prince George's County.	<a href="http://www.goprincegeorgescounty.com/Government/AgencyIndex/DPW&amp;T/Transit/thebus.asp?nivel=foldmenu(2)">http://www.goprincegeorgescounty.com/Government/AgencyIndex/DPW&amp;T/Transit/thebus.asp?nivel=foldmenu(2)</a>
County	Throughout Prince George's County	Prince George's County Dept. of Public Works and Transportation	Alternative Commute Programs	Demand	Prince George's County Ride Smart Commuter Solutions	Provides information on commuter services available in Prince George's County.	<a href="http://www.ridesmartsolutions.com/">http://www.ridesmartsolutions.com/</a>
County	Throughout Prince George's County	Prince George's County Dept. of Public Works and Transportation	Improving accessibility to multimodal options	Demand	Prince George's County Call-A-Bus	Bus service available to all residents of Prince George's County who are not served by existing bus or rail.	<a href="http://www.goprincegeorgescounty.com/Government/AgencyIndex/DPW&amp;T/Transit/bus.asp?nivel=foldmenu(2)">http://www.goprincegeorgescounty.com/Government/AgencyIndex/DPW&amp;T/Transit/bus.asp?nivel=foldmenu(2)</a>
County	Throughout Prince George's County	Prince George's County Dept. of Public Works and Transportation	Park-and-ride lot improvements	Demand	Prince George's County Park-and-Ride Lots	There are 18 free park-and-ride lots available in Prince George's County.	<a href="http://www.goprincegeorgescounty.com/Government/AgencyIndex/DPW&amp;T/Transit/park_ride.asp?nivel=foldmenu(2)">http://www.goprincegeorgescounty.com/Government/AgencyIndex/DPW&amp;T/Transit/park_ride.asp?nivel=foldmenu(2)</a>
County	Throughout Frederick County	Frederick County, MD	Public Transportation Improvements	Demand	Frederick County Transit	Public bus and paratransit services.	<a href="http://www.co.frederick.md.us/documents/Transit/06RideGuidebrochure.pdf">http://www.co.frederick.md.us/documents/Transit/06RideGuidebrochure.pdf</a>
County	Throughout Frederick County	Frederick County, MD	Alternative Commute Programs	Demand	Frederick CountyTransit	Transit also offers information on alternative commute programs.	<a href="http://www.co.frederick.md.us/index.asp?NID=208">http://www.co.frederick.md.us/index.asp?NID=208</a>
County	Throughout Frederick County	Frederick County, MD	Traffic Engineering Improvements	Operational	Frederick County Capital improvement projects	Many of these road improvement projects help ease congestion.	<a href="http://www.co.frederick.md.us/index.asp?NID=271">http://www.co.frederick.md.us/index.asp?NID=271</a>
County	Throughout Fairfax County	Fairfax County, VA	Public Transportation Improvements	Demand	Fairfax Connector	Public bus system in Fairfax County. Connects to Metrorail and bus.	<a href="http://www.fairfaxcounty.gov/connector/">http://www.fairfaxcounty.gov/connector/</a>
County	Throughout Fairfax County	Fairfax County, VA	Alternative Commute Programs	Demand	Fairfax County RideSources Program	Provides information on alternative commute programs.	<a href="http://www.fairfaxcounty.gov/fcdot/sources.htm">http://www.fairfaxcounty.gov/fcdot/sources.htm</a>
County	I-66, I-95, I-395, and Dulles Toll Road in VA	Fairfax County, VA	HOV	Demand	I-66, I-95 & I-395, and Dulles Toll Road HOV lanes	Lanes only available to ridesharers; those carpooling and vanpooling.	<a href="http://www.fairfaxcounty.gov/fcdot/lanes.htm">http://www.fairfaxcounty.gov/fcdot/lanes.htm</a>
County	Throughout Arlington County	Arlington County, VA	Public Transportation Improvements	Demand	Arlington Rapid Transit (ART)	Public bus service in Arlington. Connects to Metrorail and bus.	<a href="http://www.commuterpage.com/art/">http://www.commuterpage.com/art/</a>

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County	Throughout Arlington County	Arlington County, VA	Public Transportation Improvements	Demand	Transit projects	A series of transit projects are underway to improve the County's transit system.	<a href="http://www.commuterpage.com/art/projects/index.htm">http://www.commuterpage.com/art/projects/index.htm</a>
County	Throughout Arlington County	Arlington County, VA	Alternative Commute Programs	Demand	Arlington County's Way To Go Arlington	Provides information on alternative commute programs, and public transit.	<a href="http://www.commuterpage.com/art/villages/W2G.htm">http://www.commuterpage.com/art/villages/W2G.htm</a>
County	Throughout Arlington County	Arlington County, VA	Pedestrian, Bicycle and Multimodal Improvements	Demand	Arlington's BikeArlington	Initiative to encourage more people to bike often.	<a href="http://www.bikearlington.com/about.cfm">http://www.bikearlington.com/about.cfm</a>
County	Throughout Arlington County	Arlington County, VA	Alternative Commute Programs	Demand	Arlington's Car-Free Diet	Promotes alternative commute methods.	<a href="http://www.carfreediet.com/">http://www.carfreediet.com/</a>
County	Throughout Arlington County	Arlington County, VA	Promote Alternate Modes	Demand	WALKArlington	Promotes walking as an alternative mode.	<a href="http://www.walkarlington.com/about/index.html">http://www.walkarlington.com/about/index.html</a>
County	Throughout Arlington County	Arlington County, VA	Alternative Commute Programs	Demand	Arlington County's CommuterPage.com	Provides information on transportation options in Arlington and the DC area.	<a href="http://www.commuterpage.com/">http://www.commuterpage.com/</a>
County	Throughout Arlington County	Arlington County, VA	Growth Management	Demand	Arlington County's TDM Management for Site Plan Developmetn	Coordinates site plan development (proposed land use) with commuter and transit services.	<a href="http://www.commuterpage.com/TDM/">http://www.commuterpage.com/TDM/</a>
County	Throughout Arlington County	Arlington County, VA	Traffic Engineering Improvements	Operational	Arlington County's Neighborhood Traffic Calming projects	Traffic calming measures to increase safety and slow traffic (traffic circles, raised crosswalks, speed humps).	<a href="http://www.arlingtonva.us/departments/EnvironmentalServices/dot/planning/ntc/EnvironmentalServicesTrafficCalming.aspx">http://www.arlingtonva.us/departments/EnvironmentalServices/dot/planning/ntc/EnvironmentalServicesTrafficCalming.aspx</a>
County	Throughout Loudoun and from Loudoun to DC	Loudoun County, VA	Public Transportation Improvements	Demand	Loudoun County Transit	Commuter bus service from Loudoun Co. to area park-and-ride lots and downtown DC.	<a href="http://inter4.loudoun.gov/Default.aspx?tabid=969">http://inter4.loudoun.gov/Default.aspx?tabid=969</a>
County	Throughout Loudoun County	Loudoun County, VA	Park-and-ride lot improvements	Demand	Loudoun's Free Park-and-Ride lots	Several free park-and-ride lots are available throughout the County.	<a href="http://inter4.loudoun.gov/Default.aspx?tabid=959">http://inter4.loudoun.gov/Default.aspx?tabid=959</a>
County	Throughout Loudoun County	Loudoun County, VA	Alternative Commute Programs	Demand	Loudoun's Commuting options	Provides information on alternative commute programs and transit options.	<a href="http://inter4.loudoun.gov/Default.aspx?tabid=789">http://inter4.loudoun.gov/Default.aspx?tabid=789</a>
County	Throughout Southern Loudoun and in Northern Loudoun to Purcellville	Virginia Regional Transit (in cooperation with Loudoun Co.)	Public Transportation Improvements	Demand	Virginia Regional Transit	Public bus service within Loudoun County.	<a href="http://inter4.loudoun.gov/Default.aspx?tabid=898">http://inter4.loudoun.gov/Default.aspx?tabid=898</a>

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County	Throughout Prince William County	Prince William County, VA	Traffic Engineering Improvements	Operational	Prince William County Road projects	Current and past road projects, including widening, safety projects, traffic signal projects, help ease congestion.	<a href="http://www.pwcgov.org/default.aspx?topic=040087002120002614">http://www.pwcgov.org/default.aspx?topic=040087002120002614</a>
County	Throughout Prince William County	Prince William County, VA	Park-and-ride lot improvements	Demand	Prince William County Commuter Parking Lots	Goal is to work with VDOT and provide convenient sites to encourage residents to use transit or carpool.	<a href="http://www.pwcgov.org/default.aspx?topic=040087000600000797">http://www.pwcgov.org/default.aspx?topic=040087000600000797</a>
City	Throughout Gaithersburg and in Montgomery County surrounding Gaithersburg	City of Gaithersburg, MD	Traffic Engineering Improvements	Operational	Gaithersburg Transportation highway projects and studies	These are new highway and bridge projects in the City and Montgomery Co.	<a href="http://www.gaithersburgmd.gov/poi/default.asp?POI_ID=978&amp;TOC=107;83;978">http://www.gaithersburgmd.gov/poi/default.asp?POI_ID=978&amp;TOC=107;83;978</a>
City	The length of College Park, MD	City of College Park, MD	Pedestrian, Bicycle and Multimodal Improvements	Demand	College Park Trolley Trail	Trail is to run the length of the City of College Park, in the old trolley right-of-way.	<a href="http://www.ci.college-park.md.us/CurrentCommDevelopmentProjects.htm">http://www.ci.college-park.md.us/CurrentCommDevelopmentProjects.htm</a>
City	Throughout Greenbelt	City of Greenbelt, MD	Public Transportation Improvements	Demand	Greenbelt Connection	A local bus in Greenbelt; runs upon request.	<a href="http://www.greenbeltmd.gov/public_works/connection.htm">http://www.greenbeltmd.gov/public_works/connection.htm</a>
City	Throughout Rockville	City of Rockville, MD	Traffic Engineering Improvements	Operational	City of Rockville Physical traffic calming controls	Improvements such as traffic circles, cicanes, and and road narrowing.	<a href="http://www.rockvillemd.gov/residents/traffic/calming_append.html">http://www.rockvillemd.gov/residents/traffic/calming_append.html</a>
City	Throughout City of Frederick	City of Frederick, MD	Traffic Engineering Improvements	Operational	Frederick Traffic engineering projects	Include safety improvements, traffic circles, collecting traffic data, identifying high-incident intersections.	<a href="http://www.cityoffrederick.com/departments/Engineering/TRAFFICmain.htm">http://www.cityoffrederick.com/departments/Engineering/TRAFFICmain.htm</a>
City	Throughout City of Frederick	City of Frederick, MD	Pedestrian, Bicycle and Multimodal Improvements	Demand	Frederick Shared use paths	Promotes the use of, and creates new shared use paths.	<a href="http://www.cityoffrederick.com/departments/Planning/transportation.htm">http://www.cityoffrederick.com/departments/Planning/transportation.htm</a>
City	Throughout Falls Church and to the Metro stations	City of Falls Church, VA	Public Transportation Improvements	Demand	Falls Church GEORGE	Local bus system providing service to East and West Falls Church Metrorail stations and throughout the City of Falls Church.	<a href="http://www.fallschurchva.gov/george/">http://www.fallschurchva.gov/george/</a>
City	Throughout Alexandria	City of Alexandria, VA	Alternative Commute Programs	Demand	Alexandria Rideshare / Local Motion	Promotes use of alternative modes.	<a href="http://www.alexride.org/">http://www.alexride.org/</a>
City	Throughout Alexandria	City of Alexandria, VA	Public Transportation Improvements	Demand	Alexandria DASH	Local bus system. Connects to Metrobus and Metrorail, VRE, and other local bus systems.	<a href="http://www.dashbus.com/">http://www.dashbus.com/</a>

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City	Throughout City of Fairfax	City of Fairfax, VA	Public Transportation Improvements	Demand	City of Fairfax's CUE	Public bus service within City of Fairfax. Also connects to Vienna Metrorail station.	<a href="http://www.fairfaxva.gov/CUEBus/CUEBus.asp">http://www.fairfaxva.gov/CUEBus/CUEBus.asp</a>
Local / Corridor-based	Along the corridor between Baltimore and DC	BWI Business Partnership	Alternative Commute Programs	Demand	BWI Business Partnership Commuter Resources	Provides information on commuter programs available to the BWI area.	<a href="http://www.bwipartner.org/index.php?option=com_content&amp;task=view&amp;id=21&amp;Itemid=59">http://www.bwipartner.org/index.php?option=com_content&amp;task=view&amp;id=21&amp;Itemid=59</a>
Local / Corridor-based	Downtown Bethesda	Bethesda Transit Solutions (BTS)	Alternative Commute Programs	Demand	BTS Commuter Services	Provides information on alternative commute options: carpooling, biking, employer incentives.	<a href="http://www.bethesdatransit.org/">http://www.bethesdatransit.org/</a>
Local / Corridor-based	Downtown Bethesda	Bethesda Transit Solutions (BTS)	Public Transportation Improvements	Demand	Bethesda Circulator	Downtown Bethesda bus service.	<a href="http://www.bethesdatransit.org/parking-circulator.htm">http://www.bethesdatransit.org/parking-circulator.htm</a>
Local / Corridor-based	Downtown North Bethesda	North Bethesda Transportation Center (Transportation Action Partnership)	Alternative Commute Programs	Demand	North Bethesda Commuter Resources	Provides information on commuter services available in the North Bethesda area.	<a href="http://www.nbtc.org/">http://www.nbtc.org/</a>
Local / Corridor-based	Downtown Friendship Heights	Friendship Heights Transportation Management District (TMD)	Alternative Commute Programs	Demand	Friendship Heights Commuter Resources	Provides information on commuter services available in the Friendship Heights area.	<a href="http://www.montgomerycountymd.gov/mcgtmpl.asp?url=/Content/DPWT/Transit/commuter/tmdlegislation.asp#FH">http://www.montgomerycountymd.gov/mcgtmpl.asp?url=/Content/DPWT/Transit/commuter/tmdlegislation.asp#FH</a>
Local / Corridor-based	Downtown Silver Spring	Silver Spring Transportation Management District (TMD)	Alternative Commute Programs	Demand	Silver Spring Commuter Resources	Provides information on commuter services available in the Silver Spring area.	<a href="http://www.montgomerycountymd.gov/mcgtmpl.asp?url=/content/dpwt/transit/commuter/tmdlegislation.asp#DSS">http://www.montgomerycountymd.gov/mcgtmpl.asp?url=/content/dpwt/transit/commuter/tmdlegislation.asp#DSS</a>
Local / Corridor-based	Loudoun, Fairfax, and Prince William Counties	Dulles Area Transportation Association (DATA)	Alternative Commute Programs	Demand	DATA Commuter Resources	Advocates for alternative commute programs, transit needs, and transit-oriented development.	<a href="http://www.datatrans.org/about.html">http://www.datatrans.org/about.html</a>
Local / Corridor-based	Reston	LINK	Alternative Commute Programs	Demand	Reston's LINK Commuter Resources	Provides information on carpooling, vanpooling, and regional bus schedules.	<a href="http://www.linkinfo.org/index.cfm">http://www.linkinfo.org/index.cfm</a>
Local / Corridor-based	Tyson's Corner area	Tyson's Transportation Association (TYTRAN)	Alternative Commute Programs	Demand	TYTRAN's Commuter Resources	Provides information on carpooling, vanpooling, park-and-ride lots, and telework locations.	<a href="http://www.tytran.org/index.htm">http://www.tytran.org/index.htm</a>

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Local / Corridor-based	Tyson's Corner area	Tyson's Transportation Association (TYTRAN)	Advanced Traveler Information Systems	Operational	TYTRAN's Road conditions information	Provides travelers with information on road conditions, including road construction and traffic cameras.	<a href="http://www.tytran.org/index.htm">http://www.tytran.org/index.htm</a>
Local / Corridor-based	Northern VA - Loudoun, Fairfax, Prince William	Northern Virginia Transportation Commission (NVTC)	Public Transportation Improvements	Demand	NVTC Research on public transit and HOV performance	NVTC compiles data on regional transit systems and HOV performance.	<a href="http://www.thinkoutsidethecar.org/transit.asp">http://www.thinkoutsidethecar.org/transit.asp</a>
Local / Corridor-based	Northern VA - Loudoun, Fairfax, Prince William	Northern Virginia Transportation Commission (NVTC)	Alternative Commute Programs	Demand	NVTC Commuter Info	Provides information on how to use the region's transit system, bicycle and pedestrian options, HOV schedules, and park-and-ride lots.	<a href="http://www.thinkoutsidethecar.org/info.asp">http://www.thinkoutsidethecar.org/info.asp</a>
Local / Corridor-based	Eastern Arlington's Potomac Yard neighborhood	Full Access Solutions in Transportation (FAST) for Potomac Yard	Growth Management	Demand	Non-profit, developer initiated FAST	Aims at reducing single-occupant trips to the growing Potomac Yard area. Promotes transit, biking, walking. Offers discounted Metrobus shuttle.	<a href="http://fastpotomacyard.com/index.html">http://fastpotomacyard.com/index.html</a>



# CLRP PROJECT DESCRIPTION FORM

## SAFETEA-LU PLANNING FACTORS

23. Please identify any and all planning factors that are addressed by this project:
- Support the **economic vitality** of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.
  - Increase the **safety** of the transportation system for all motorized and non-motorized users.
    - a. Is this project being proposed specifically to address a safety issue?  Yes;  No
    - b. If yes, briefly describe (in quantifiable terms, where possible) the nature of the safety problem:
  - Increase the ability of the transportation system to support **homeland security** and to safeguard the personal security of all motorized and non-motorized users.
  - Increase **accessibility and mobility** of people and freight.
  - 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.
  - Enhance the **integration and connectivity** of the transportation system, across and between modes, for people and freight.
  - Promote efficient system **management and operation**.
  - Emphasize the **preservation** of the existing transportation system.

## ENVIRONMENTAL MITIGATION

24. Have any potential mitigation activities been identified for this project?  Yes;  No
- a. If yes, what types of mitigation activities have been identified?
- Air Quality;  Floodplains;  Socioeconomics;  Geology, Soils and Groundwater; Vibrations;
  - Energy;  Noise;  Surface Water;  Hazardous and Contaminated Materials;  Wetlands

## CONGESTION MANAGEMENT INFORMATION

25. Do traffic congestion conditions necessitate the proposed project?  Yes;  No
- a. If so, is the congestion recurring or non-recurring?  Recurring;  Non-recurring
- b. If the congestion is on another facility, please identify it:
- c. What is the measured or estimated Level of Service on this facility? \_\_\_\_ ;  Measured;  Estimated
26. Is this a capacity-increasing project on a limited access highway or other arterial highway of a functional class higher than minor arterial?  Yes;  No
- a. If yes, does this project require a Congestion Management Documentation form under the given criteria (see *Call for Projects* document)?  Yes;  No
- b. If not, please identify the criteria that exempt the project here:
- The number of lane-miles added to the highway system by the project totals less than 1 lane-mile
  - The project is an intersection reconstruction or other traffic engineering improvement, including replacement of an at-grade intersection with an interchange
  - The project will not allow motor vehicles, such as a bicycle or pedestrian facility
  - The project consists of preliminary studies or engineering only, and is not funded for construction
  - The project received NEPA approval on or before April 6, 1992
  - The project was already under construction on or before September 30, 1997, or construction funds were already committed in the FY98-03 TIP.
  - The construction costs for the project are less than \$5 million.

# CLRP PROJECT DESCRIPTION FORM

## INTELLIGENT TRANSPORTATION SYSTEMS

27. Is this an Intelligent Transportation Systems (ITS) project as defined in federal law and regulation, and therefore subject to Federal Rule 940 Requirements?  Yes;  No
28. If yes, what is the status of the systems engineering analysis compliant with Federal Rule 940 for the project?  Not Started;  Ongoing, not complete;  Complete
29. Under which Architecture:
  - DC, Maryland or Virginia State Architecture
  - WMATA Architecture
  - COG/TPB Regional ITS Architecture
  - Other, please specify:
  
30. Completed Date:
31.  Project is being withdrawn from the CLRP.
32. Withdrawn Date:
33. Record Creator:
34. Created On:
35. Last Updated by:
36. Last Updated On:
37. Comments

# Congestion Management Documentation Form for Projects in the 2030 CLRP



## **BASIC PROJECT INFORMATION**

1. Agency: \_\_\_\_\_ Secondary Agency: \_\_\_\_\_

2. Project Title: \_\_\_\_\_

	Prefix	Route	Name	Modifier
4. Facility:				
5. From ( _ at):				
6. To:				

7. Jurisdiction(s): \_\_\_\_\_

8. Indicate whether the proposed project's location is subject to or benefits significantly from any of the following in-place congestion management strategies:

- Metropolitan Washington Commuter Connections program (ridesharing, telecommuting, guaranteed ride home, employer programs)
- A Transportation Management Association is in the vicinity
- Channelized or grade-separated intersection(s) or roundabouts
- Reversible, turning, acceleration/deceleration, or bypass lanes
- High occupancy vehicle facilities or systems
- Transit stop (rail or bus) within a 1/2 mile radius of the project location
- Park-and-ride lot within a one-mile radius of the project location
- Real-time surveillance/traffic device controlled by a traffic operations center
- Motorist assistance/hazard clearance patrols
- Interconnected/coordinated traffic signal system
- Other in-place congestion management strategy or strategies (briefly describe below:)

9. List and briefly describe how the following categories of (additional) strategies were considered as full or partial alternatives to single-occupant vehicle capacity expansion in the study or proposal for the project.

a. Transportation demand management measures, including growth management and congestion pricing

b. Traffic operational improvements

c. Public transportation improvements

d. Intelligent Transportation Systems technologies

e. Other congestion management strategies

f. Combinations of the above strategies

10. Could congestion management alternatives fully eliminate or partially offset the need for the proposed increase in single-occupant vehicle capacity? Explain why or why not.

11. Describe all congestion management strategies that are going to be incorporated into the proposed highway project.

12. Describe the proposed funding and implementation schedule for the congestion management strategies to be incorporated into the proposed highway project. Also describe how the effectiveness of strategies implemented will be monitored and assessed after implementation.

# Congestion Management Documentation Form for Projects in the 2030 CLRP



## DRAFT

### BASIC PROJECT INFORMATION

1. Agency: \_\_\_\_\_ Secondary Agency: \_\_\_\_\_

2. Project Title: **GENERIC TEMPLATE (SAMPLE)**

	Prefix	Route	Name	Modifier
4. Facility:				
5. From ( _ at):				
6. To:				

7. Jurisdiction(s): \_\_\_\_\_

8. Indicate whether the proposed project's location is subject to or benefits significantly from any of the following in-place congestion management strategies:

- Metropolitan Washington Commuter Connections program (ridesharing, telecommuting, guaranteed ride home, employer programs)
- A Transportation Management Association is in the vicinity
- Channelized or grade-separated intersection(s) or roundabouts
- Reversible, turning, acceleration/deceleration, or bypass lanes
- High occupancy vehicle facilities or systems
- Transit stop (rail or bus) within a 1/2 mile radius of the project location
- Park-and-ride lot within a one-mile radius of the project location
- Real-time surveillance/traffic device controlled by a traffic operations center
- Motorist assistance/hazard clearance patrols
- Interconnected/coordinated traffic signal system
- Other in-place congestion management strategy or strategies (briefly describe below:)

This corridor also benefits from carsharing offered at transit stations and park-and-ride lots in the vicinity, which encourages people to leave their cars at home. In addition, there are extensive pedestrian connections in the area, including sidewalks and bicycle paths along this roadway. (Customize and/or add agency specifics...)

9. List and briefly describe how the following categories of (additional) strategies were considered as full or partial alternatives to single-occupant vehicle capacity expansion in the study or proposal for the project.

a. Transportation demand management measures, including growth management and congestion pricing

The status of and potential impacts of transportation demand management measures, including growth management and congestion pricing, have been considered for this corridor. The facility benefits from the regional alternative commute program, Commuter Connections, jointly funded by Virginia, Maryland, and the District of Columbia. Commuter Connections encourages ridesharing, teleworking, carpooling, vanpooling, and riding/biking to work, among other demand management measures. Additionally, the County promotes its own ridesharing program, providing a wealth of free information on commuting options, and promotes flexible/compressed workweeks. (Customize and/or add agency specifics...)

**b. Traffic operational improvements**

The status of and potential impacts of traffic operational improvements have been considered for this corridor. Feasible traffic operations management activities have been or will be implemented along the corridor, as well as traffic signal coordination. Strategies include those that aid in reducing non-recurring congestion. (Customize and/or add agency specifics...)

**c. Public transportation improvements**

The status of and potential impacts of feasible public transportation improvements have been considered for this corridor. Public transportation in the corridor includes regional bus and rail, along with locally-operated bus services. Park-and-Ride lots are also provided in the vicinity of the project. (Customize and/or add agency specifics...)

**d. Intelligent Transportation Systems technologies**

The status of and potential impacts of feasible Intelligent Transportation Systems (ITS) technologies have been considered for this corridor. ITS technologies providing traveler information and/or traffic management have been or will be implemented along the corridor. (Customize and/or add agency specifics...)

**e. Other congestion management strategies**

(Customize and/or add agency specifics...)

**f. Combinations of the above strategies**

The status of and potential impacts of feasible combinations of the above strategies have been considered for this corridor. The above strategies work together to reduce recurring and non-recurring congestion. (Customize and/or add agency specifics...)

**10. Could congestion management alternatives fully eliminate or partially offset the need for the proposed increase in single-occupant vehicle capacity? Explain why or why not.**

No. While the above congestion management alternatives help manage existing traffic flow on the corridor, additional capacity is needed. However, additional congestion management strategies will continue to be considered and implemented to help manage future capacity in the corridor. (Customize and/or add agency specifics...)

**11. Describe all congestion management strategies that are going to be incorporated into the proposed highway project.**

The following congestion management strategies (#9a,b,c,d,e,and/or f) will be implemented and improved upon, and/or additional feasible strategies will be considered... (Customize and/or add agency specifics...)

**12. Describe the proposed funding and implementation schedule for the congestion management strategies to be incorporated into the proposed highway project. Also describe how the effectiveness of strategies implemented will be monitored and assessed after implementation.**

Feasible congestion management strategies are or will be in place along the corridor, and will continue to be in place as the project is implemented, under funding identified within the project. Consideration will be given on how to enhance these existing strategies and to what extent feasible new strategies can be implemented. (Customize and/or add agency specifics...)