

## Section V - 2009 King Countywide STP/CMAQ Competition Application

To be used for projects submitted for the following Countywide Programs:

- ❖ Small Jurisdictions Program
- ❖ Larger Jurisdiction Program
- ❖ All Other Agency Program
- ❖ Rural Area Program

This application is available on the King County Web site at

<http://www.kingcounty.gov/transportation/kcdot/PlanningAndPolicy/RegionalTransportationPlanning/2009KCCtywideComp.aspx>

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**\*\*Please read all of the text in this section before completing this application.\*\***

**Important notice:** The importance of complete and accurate information on every application cannot be overemphasized. The evaluation and scoring of all submitted projects will be based on the answers provided in this application. A project's suitability for funding may be compromised if the application is found to have omissions or inaccuracies. In addition, sponsors of projects recommended for funding as a result of the competition should be aware that their application could be used in the future to evaluate the status of a project if it fails to comply with the requirements of the Puget Sound Regional Council's (PSRC) Project Tracking program.

**Projects receiving funding as a result of this competition:** Funding distributed as a result of the 2009 STP/CMAQ King Countywide Programs is awarded to projects, not to the sponsoring agency itself. Sponsors of projects that receive funds from this competition will be required to submit a more detailed TIPMOD or TIPNEW application, which will be due to the PSRC on July 7, 2009. Please note that these sponsors will also be asked to certify that they will comply with the conditions of the PSRC's Project Tracking Program, as a condition of accepting funding. Failing to comply with this condition, and/or with the conditions established in the PSRC's Project Tracking Program, may eventually result in the loss and/or transfer of funds to another Countywide project.

**14-page limit:** You may use additional pages if necessary; however, please be as brief as possible and limit your application to a total of fourteen (14) pages, plus map(s) and/or other required supporting documents.

**E-mail submissions are preferred:** Attach your completed application to an e-mail and send to [peter.heffernan@kingcounty.gov](mailto:peter.heffernan@kingcounty.gov). Please name the file "(Agency): (Project tile)" and in the e-mail subject line identify which Countywide program the application is being submitted (Small Jurisdiction, Large Jurisdiction, All Other, Non-motorized). If you are unable to e-mail the application, please mail a copy of the electronic file on diskette, and fax or mail a corresponding paper copy. Electronic copies of all applications are required, as they will be posted to the King County Web site. Mailed materials should be sent to: Peter Heffernan, King County Department of Transportation, M.S. KSC-TR -0814, 201 South Jackson Street, Seattle, WA 98104-3856 and/or faxed to 206-684-1812, Attn: Peter Heffernan. All applications must be submitted by **5pm May 15<sup>th</sup>, 2009**.

**Definition of a project:** For the purposes of this competition, a project must be clearly defined by geographic limits and/or functionality. If the project contains multiple components, the sponsor must clearly indicate how they are logically connected to one another. A project with multiple geographic locations must demonstrate their functional relationship (for example, signal coordination work in various locations tied together through a traffic control center). **Note: a project may request only one funding source – either STP or CMAQ, but not both.**

**PROJECT DESCRIPTION INFORMATION**

<p><b>1</b></p>	<p><b>Project title:</b> South Lake Union/Uptown Mercer Corridor Improvements (West Segment)          For roadway project titles: list facility name, limits, and any other identifying words. E.g., SR-520 HOV (104th Ave NE to 124th Ave NE).</p>
<p><b>2</b></p>	<p><b>Destination 2030 ID#:</b> 967          In order to be eligible for federal funding, a project must be in, or consistent with, <i>Destination 2030</i>, the region’s Metropolitan Transportation Plan (MTP). To confirm if your project is specifically listed in <i>Destination 2030</i>, refer to Appendix 9 of <i>Destination 2030</i> at <a href="http://www.psrc.org/projects/mtp/d2030plan.htm">http://www.psrc.org/projects/mtp/d2030plan.htm</a>. For assistance or questions regarding these issues, contact Kimberly Scrivner at 206-971-3281 or <a href="mailto:kscrivner@psrc.org">kscrivner@psrc.org</a>.</p>
<p><b>3</b></p>	<p>a. <b>Sponsoring agency:</b> Seattle          b. Co-sponsor(s) if applicable:  <u><b>Important:</b></u> For the purposes of this application and competition, “co-sponsor” refers to any agency that would receive a portion of the funding if the requested grant were to be awarded.          c. Does sponsoring agency have “Certification Acceptance” status from WSDOT? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No          d. If not, which agency will serve as your CA sponsor? (refer to WSDOT’s Local Agency Guidelines Manual for information on CA status: <a href="http://www.wsdot.wa.gov/ta/operations/lag/LAG13.pdf">http://www.wsdot.wa.gov/ta/operations/lag/LAG13.pdf</a>)</p>
<p><b>4</b></p>	<p><b>Project contact person:</b> Amy Patton          Address: 700 5<sup>th</sup> Ave, PO Box 34996, Seattle, WA 98124-4996          Phone: 206.685.5013 Fax:206.470.6944 E-Mail: amy.patton@seattle.gov</p>
<p><b>5</b></p>	<p><b>Project description.</b> Please distinguish between the scope of the project and the justification and/or need for the project.          a. <b>Project scope:</b> Please describe clearly and concisely the individual components of this project. What will be the specific outcome of this project? What will be built, purchased or provided with this grant request? For example, if this is part of a larger project, please be specific as to what portion on which the grant funds will be used.          The larger Mercer Corridor West project will convert Mercer Street to a two-way street between Dexter Ave and Elliott Ave West. The Mercer underpass at Aurora Ave will be expanded to allow for six travel lanes and a 20-ft bicycle/pedestrian shared use path. Roy Street (between Aurora and Queen Anne Ave) will also be converted to a two-way street with 5-ft on-road bicycle lanes.          This grant request includes rechannelization of Mercer and Roy Streets to two-way streets, traffic sign installation, new signals and signal modifications, new curb-bulbs at intersections of 1st/Roy, Warren Ave N/Roy, 2nd/Roy, Nob Hill Ave/Roy, and 4th/Roy; pavement reconstruction on Mercer between Warren and 2nd, and between 4th and 5th Ave N; sidewalk reconstruction on Mercer between 4th and 5th Ave N.</p>

	<p><b>b. Project justification, need or purpose:</b> Please explain the intent, need or purpose of this project. What is the goal or desired outcome?</p> <p>This phase is a critical component to the overall Mercer Street Corridor improvements which will improve access to four (4) regional growth centers (South Lake Union, Uptown/Queen Anne, Downtown Seattle and First Hill/Capitol Hill) and one (1) regional manufacturing and industrial center (Ballard/Interbay) through elimination of the circuitous weave created by the existing Fairview-Valley-Broad route for westbound traffic from I-5. The corridor also serves five (5) locally designated centers including Eastlake, Queen Anne, Fremont, Wallingford and Ballard. A more direct route to these areas will be provided. The project will provide improvements to safety and mobility for all modes of transportation including autos, bikes, pedestrians, freight and transit.</p> <p>The improvements create a two-way Mercer Street (currently one-way eastbound) and make a number of other transit, pedestrian and bicycle improvements that, taken together:</p> <ul style="list-style-type: none"> <li>• reconnect South Lake Union and Uptown to the rest of the City;</li> <li>• supports development of the South Lake Union Regional Growth Center and the continued development of Uptown into livable, walkable 24/7 communities, that are economically vibrant;</li> <li>• untangle streets that create barriers in the middle of Seattle;</li> <li>• improve mobility for people in regional and local growth centers, including Queen Anne, Capitol Hill, Eastlake, Magnolia, Fremont and Ballard, that use this corridor;</li> <li>• promote transit, walking, and biking;</li> <li>• continue a smooth flow of freight and people through the corridor;</li> <li>• provide a direct route from I-5 and SR-99 into and through Uptown to Elliott Avenue, and;</li> <li>• improve a key alternative route to Downtown Seattle, Seattle Center and surrounding neighborhoods during Alaskan Way Viaduct construction.</li> </ul>
<p><b>6</b></p>	<p><b>Project location:</b> Mercer Street and Roy Street</p> <p>a. County(ies) in which project is located: King</p> <p><b>Answer the following questions if applicable:</b></p> <p>b. Crossroad/landmark nearest to beginning of project (identify landmark if no crossroad): Mercer Street from 5<sup>th</sup> Ave N – Roy Street from Queen Anne Ave N</p> <p>c. Crossroad/landmark nearest to end of project (identify landmark if no crossroad): Mercer Street to 4<sup>th</sup> Ave W – Roy Street to Aurora Ave N (SR99)</p>
<p><b>7</b></p>	<p><b>Map:</b> 1. Include a legible 8½” x 11” project map with the completed application form. 2. Include a legible vicinity map with the completed application form (can be smaller than 8½” x 11”).</p> <p><b>Note:</b> If unable to send the map electronically, mail a copy on diskette and provide a paper copy by fax or mail.</p>
<p><b>8</b></p>	<p><b>Federal functional classification code</b> (Please select <u>only one</u> code using the table below)</p> <p>For assistance determining functional classification, contact Stephanie Rossi at 206-971-3054 or <a href="mailto:srossi@psrc.org">srossi@psrc.org</a>.</p> <p><b>Important:</b> A roadway must be <u>approved</u> on the federally classified roadway system before projects on it may use federal transportation funds (this includes proposed new facilities). Projects on a roadway with a functional classification of 09, 19, 29, or 39 are not eligible to use federal transportation funds unless they</p>

	<p>are one of the exceptions listed below. If your project is an exception, identify its functional class code as "00".</p> <p><u>Examples of exceptions:</u></p> <ul style="list-style-type: none"> <li>• Any bicycle and/or pedestrian project.</li> <li>• Projects not on a roadway and using CMAQ or other funds</li> <li>• Any transit project, including equipment purchase and park-and-ride lot projects.</li> </ul>	
9.	<p><b>Rural Functional Classifications</b> "Under 5,000 population" (Outside federal-aid urbanized and federal-aid urban areas)</p> <p><input type="checkbox"/> <b>00</b> Exception</p> <p><input type="checkbox"/> <b>01</b> Principal Arterial - Interstate</p> <p><input type="checkbox"/> <b>02</b> Principal Arterial</p> <p><input type="checkbox"/> <b>06</b> Minor Arterial</p> <p><input type="checkbox"/> <b>07</b> Major Collector</p> <p><input type="checkbox"/> <b>08</b> Minor Collector</p> <p><input type="checkbox"/> <b>09</b> Local Access</p> <p><input type="checkbox"/> <b>21</b> Proposed Principal Arterial – Interstate</p> <p><input type="checkbox"/> <b>22</b> Proposed Principal Arterial</p> <p><input type="checkbox"/> <b>26</b> Proposed Minor Arterial</p> <p><input type="checkbox"/> <b>27</b> Proposed Major Collector</p> <p><input type="checkbox"/> <b>28</b> Proposed Minor Collector</p> <p><input type="checkbox"/> <b>29</b> Proposed Local Access</p>	<p><b>Urban Functional Classifications</b> "Over 5,000 population" (Inside federal-aid urbanized and federal-aid urban areas)</p> <p><input type="checkbox"/> <b>00</b> Exception</p> <p><input type="checkbox"/> <b>11</b> Principal Arterial – Interstate</p> <p><input type="checkbox"/> <b>12</b> Principal Arterial – Expressway</p> <p><input checked="" type="checkbox"/> <b>14</b> Principal Arterial</p> <p><input type="checkbox"/> <b>16</b> Minor Arterial</p> <p><input type="checkbox"/> <b>17</b> Collector</p> <p><input type="checkbox"/> <b>19</b> Local Access</p> <p><input type="checkbox"/> <b>31</b> Proposed Principal Arterial – Interstate</p> <p><input type="checkbox"/> <b>32</b> Proposed Principal Arterial – Expressway</p> <p><input type="checkbox"/> <b>34</b> Proposed Principal Arterial</p> <p><input type="checkbox"/> <b>36</b> Proposed Minor Arterial</p> <p><input type="checkbox"/> <b>37</b> Proposed Collector</p> <p><input type="checkbox"/> <b>39</b> Proposed Local Access</p>

**COUNTYWIDE PROJECT EVALUATION**

***Important:*** *Projects will be evaluated and scored based on the information provided in Parts 1 and 2 that follow. Refer to the "2009 King County Countywide Project Evaluation Criteria" before completing these sections of the application for guidance, examples, and details on scoring.*

**Instructions:**

- Part 1: Choose the one project category that best fits your project and complete the corresponding section A, B, or C.
- Part 2: Complete all three sections in Part 2 (sections D, E, and F).

**Part 1: Category Specific Questions (70 Points STP, 50 Points CMAQ)**

**10. Select one of the following three categories that best fits your project and follow the corresponding instructions:**

- Designated Center: Complete section A (question 11) and proceed directly to Part 2 (questions 14-17).
- Manufacturing/Industrial Center: Complete section B (question 12) and proceed directly to Part 2 (questions 14-17).
- Connecting Corridors: Complete section C (question 13) and proceed directly to Part 2 (questions 14-17).

**Note:** Information on the 2005 adopted Regional Economic Strategy and the targeted industry clusters, including definitions and maps of the clusters, may be found on the Prosperity Partnership website at <http://www.prosperitypartnership.org/clusters/index.htm>. For questions regarding these topics, contact Chris Strow at 206-971-3051 or [cstrow@psrc.org](mailto:cstrow@psrc.org)

## A. Designated Regional Growth Centers

**Instructions:** Complete this section (questions 11-13) if you selected “Designated Centers” in question 10, and then proceed directly to Part 2. Do not complete Sections B or C.

**11. Center Development.** Please address the following:

- **Growth.** Describe how the project will support the potential for housing/employment densities in the center. Describe how the project will support the development/redevelopment plans and activities of the center.
- **Plans and Policies.** Describe how the project furthers the objectives and aims of existing policies for the center; please provide a citation and copy of the corresponding policies.
- **Economic Strategy.** Describe whether the project helps to create or sustain jobs in the targeted industry clusters within the center; these clusters are identified in the adopted 2005 Regional Economic Strategy.

**Growth:** The Mercer Corridor project will support the creation of over 50,000 new jobs and over 22,000 new households in 4 regionally designated growth centers and 1 regional manufacturing and industrial center. The Uptown center, where the project is located, is projected to add 1,000 new jobs to its existing employment base of over 15,000 jobs. It is also slated to add up to 1,000 new housing units by 2024, to its existing 4,500 housing units., Uptown is already a vibrant mixed-use community that includes family-wage jobs, the Seattle Center, and housing for a range of income levels.

The Mercer Corridor project supports this growth by improving circulation and encouraging and supporting a pedestrian-oriented development pattern. It makes improvements on 2 arterial streets in the Uptown and South Lake Union neighborhoods, including Mercer and Roy. The phase of the project in this grant request will make improvements to Mercer St and Roy Sts west of Dexter Ave N, a critical component of the overall Mercer Corridor project. It is a key part of Seattle's plan to create a livable, walkable, 24/7 Center City that entices residents, employees and visitors to stroll the streets, visit restaurants and shops, and spend time in the parks.

Providing safe and convenient alternatives to driving will help residents meet their travel needs without a car. The project improves access to recently expanded bus service in the community, the South Lake Union Streetcar and the Seattle Center Monorail. These transit services provide circulation in the centers and connect Uptown and South Lake Union to Downtown Seattle. The existing traffic volume on the west segment of Mercer St. is approximately 30,000 vehicles per day.

**Plans and Policies:**

The Mercer Corridor project will directly address goals and policies in the Seattle Comprehensive Plan for both the Uptown and South Lake Union Regional Growth Centers. It also directly responds to policies in PSRC's adopted Destination 2030 plan.

Seattle's Comprehensive Plan - Neighborhood Planning Element - Section B 28 - South Lake Union  
SLU-G6 A livable, walkable community that is well served by transit and easy to get around by foot, bike or transit.

SLU-G7 A transportation system that provides safe, convenient access to businesses, residences, and other activities in the neighborhood.

SLU-G8 A well-connected neighborhood with bicycle, pedestrian, waterborne and vehicular access to adjacent neighborhoods.

SLU-G9 A neighborhood with principal arterials that move people and freight efficiently through the neighborhood, support local access, and provide circulation for all modes.

SLU-P18 Promote a system of safe pedestrian and bicycle connections linking key activity areas and destinations, such as open spaces, schools and arts facilities.

SLU-P22 Explore transportation improvements to link South Lake Union with its surrounding neighborhoods.

SLU-P24 Create a street network that enhances local circulation and access for all modes of travel by balancing the need to move people and freight efficiently through the neighborhood with the need for increased accessibility and safety for pedestrians and bicyclists.

SLU-P25 Encourage improvements to Mercer and Valley Streets that support development of South Lake Union Park, improve neighborhood circulation for all modes, and move people and freight efficiently through this corridor.

QA-P31 Promote a human-scale and character within the heart of the Urban Center and strive to reduce industrial through traffic.

QA-P32 Promote enhanced mobility and mobility options between Queen Anne and other neighborhoods, employment centers, and recreation centers.

QA-P40 Strive to provide urban character-enhancing improvements to Queen Anne's streets such as sidewalk improvements, transit facilities, landscaping, and appropriate lighting.

Destination 2030 RE-7.6 Promote economic opportunity by encouraging employment growth in all centers, and foster strength and sustainability by supporting centers-based economic strategies identified in local comprehensive plans and countywide planning policies.

RG-1.9 Encourage growth in compact, well-defined urban centers which: (1) enable residents to live near jobs and urban activities; (2) help strengthen existing communities; and (3) promote bicycling, walking and transit use through sufficient density and mix of land uses. Connect and serve urban centers by a fast and convenient regional transit system. Provide service between centers and nearby areas by an efficient, transit-oriented, multi-modal transportation system.

RT-8.38 Support opportunities to redevelop the road system as multimodal public facilities which accommodate the needs of pedestrians, cyclists, transit, high-occupancy vehicles, automobiles and trucks.

RE-7.12 Through broad participation of the private sector and major institutions, identify transportation requirements and improvements necessary to sustain and enhance existing economic activity in the region and promote accessibility to and within all centers for people, information, and goods.

RE7.13 Identify the transportation requirements of leading and emerging sectors of the regional economy, and develop a multi-modal transportation system that recognizes the distinctive needs of all business sectors of the regional economy to move goods, people and information within and through the region.

RE-7.15 Maintain and enhance the economic viability of centers and compact communities by improving accessibility to commercial and retail sector activities and promoting circulation of goods and people.

Regional Economic Strategy: The Mercer Corridor project will help retain approximately 245,000 existing jobs and support the creation of over 50,000 new jobs in 4 regionally designated growth centers and 1 regional manufacturing and industrial center. The Uptown and South Lake Union centers, where the project is located, contain about 35,000 existing jobs and are projected to increase employment by over 50%, adding 21,000 new jobs by 2030. The Mercer Corridor project is a major component of the overall economic development strategy of the Uptown and South Lake Union Regional Growth Centers.

The project will support growth in the Life Sciences cluster, in a nationally recognized Biological Technology/Life Sciences Center. The project is supported by a number of key medical and bio-medical research facilities in the South Lake Union Regional Growth Center, including the UW Medical Center, Fred Hutchinson Cancer Research Center, Seattle Biomedical Research Institute and Group Health Cooperative. Developers and property owners are actively supporting the overall corridor improvements, contributing over \$31 million in direct cash contributions. They have also offered to purchase right-of-way and surplus property

related to the project to create an additional \$20 to \$44 million in revenue for the project. These private partners believe that the Mercer Corridor project is a key element in creating a vibrant community.

The Uptown Regional Growth Center is home to several of Washington State's biggest attractions for the Visitors and Tourism cluster, including the Space Needle, Seattle Center, Experience Music Project and Key Arena. Seattle Center attracts 12 million visitors and hosts 5,000 events per year. Fixing the "Mercer Mess" is a key project for the region's growth in this cluster given the enormous volumes of tourists and visitors frequenting the Seattle Center and other attractions. The Mercer Corridor project will support the Prosperity Partnership's strategy of attracting more tourists, including groups and corporate travelers, provide a more satisfying experience for visitors, and communicate the sector's economic reach and benefits to key audiences. The project will provide direct access for visitors using the Port of Seattle's Cruise Terminals at Bell Street and Interbay. It will also improve access to the Olympic Sculpture Park, Lake Union Park, Myrtle Edwards Park and Seattle's Waterfront.

The Mercer Corridor project is also a key component in Seattle's effort to improve transportation linkages to its manufacturing, industrial, logistics and trade employment areas. The Mercer Corridor project will improve access to the Ballard-Interbay Manufacturing Industrial Center as well as other maritime facilities along Lake Union, as well as other maritime facilities along Lake Union and is a critical link in accessing locally designated centers including Eastlake, Queen Anne, Fremont, Wallingford and Ballard.

The Mercer Corridor project will also support growth of the Information Technology cluster by serving employers such as Amazon.com, which is building the new headquarters campus in South Lake Union, Microsoft and Real Networks. Additionally the project will support transportation to and from the Gates Foundation, a worldwide charitable organization.

**12. Project's Benefit to the Center.** Please address the following

- Long-Term Benefit. Does the project remedy a current or anticipated problem (e.g. congestion, incomplete sidewalk system, inadequate transit service/facilities, modal conflicts and/or the preservation of essential freight movement)? Please describe.
- User Groups Supported. Describe the user groups that will benefit from the project (including commuters, residents, commercial users, those groups identified in the President's Order for Environmental Justice<sup>1</sup> and/or areas experiencing high levels of unemployment or chronic underemployment).

**Long-Term Benefit:** The City of Seattle has been attempting to remedy the Mercer Mess for over 40 years. The project will provide long-term benefits by addressing transportation needs through 2030. It will rebuild streets, non-motorized facilities and public utilities. It will provide sustainable infrastructure that will provide long-term environmental, community development and economic benefits. Access to transit service (bus, streetcar, monorail) will be improved and essential freight movement will be preserved as the project turns a one-way street into a two-way street.

**User Groups Supported:** Uptown and South Lake Union have diverse communities. The population in Uptown includes a higher percentage of elderly than the Seattle average (15% vs 12%). Groups served include a range of income levels. In the census tracts in Uptown surrounding the project area the average poverty level is 12% of population below 1999 poverty level, slightly higher than the City average. This project will benefit commuters, residents and commercial users. Over 27% of Uptown's population uses transit and over 16% walk to work. Only 41% of the employed residents of Uptown commute using an SOV. The Mercer Corridor project supports increased housing and employment growth, density and diversity in two Regionally Designated

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<sup>1</sup> The President's Order for Environmental Justice states "each Federal agency shall make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies and activities on minority populations and low-income populations."

Growth centers. About 80% of the housing stock in Uptown is renter occupied, substantially more than the City's average of about 50%. In South Lake Union in 2004, 30% of housing units were affordable or subsidized and 70% were market rate. Citywide, 7% of housing units are affordable or subsidized and 93% are market rate. Safe and convenient alternatives to driving will help residents in Uptown and South Lake Union meet their travel needs without a car.

Other users include the massive volumes of visitors and tourists who come to Uptown and South Lake Union which are home to the Seattle Center, Lake Union, and other major attractions that have regional as well as statewide significance. Seattle Center attracts 12 million visitors and hosts 5,000 events per year. Improved circulation to these major attractions is critical to the redevelopment and vitalization of this Uptown.

**13. Circulation within the Center.** Please address the following.

- Safety and Convenience. Describe how the project improves safe & convenient access to major destinations within the center.
- Intermodal Opportunities and Connections. Describe how the project will improve circulation and enhanced opportunities for active transportation within the center for people and/or goods regarding (address each relevant area): walkability, public transit access, public transit speed and reliability, safety & security, bicycle mobility, bicycle facilities, streetscape improvements, traffic calming, preservation of essential freight movement and/or other.
- Travel Choices. Describe how the project provides users (e.g. employees, residents, customers) a range of travel modes or provides a “missing” mode.
- System Continuity. Describe how the project completes a physical gap or provides an essential link in the transportation network.
- Parking. If the project has a parking component, describe how it has been designed to be compatible with a pedestrian oriented environment, including any innovative parking management tools.

Safety and Convenience - Pedestrian and bicycle safety and convenience will be improved by traffic calming measures, dedicated bike lanes and curb bulbs. New signals and signal modifications should reduce right angle collisions occurring along Roy St. Along Mercer, decreased auto speeds will lessen the severity of collisions that do occur. Making this part of Mercer St two-way will help to address a certain kind of left turn collision pattern that has been occurring with regularity. This pattern has involved drivers making left turns from the middle lanes - who have apparently forgotten that they are on a one-way street.

Intermodal - The project improves circulation and enhances opportunities for people and goods. Safe convenient access for pedestrians will be provided by constructing new and wider sidewalks. Additionally traffic will be calmed and crossing distances reduced for pedestrians by providing curb bulbs at key intersections. A sense of place and improved security will be established by the streetscape features including landscaped medians, street trees and pedestrian-scale lighting. Connectivity to transit, including the Seattle Center Monorail and South Lake Union Streetcar, will be improved dramatically and the project will allow for east-west future implementation of transit service along Mercer St connecting the Uptown, South Lake Union and First Hill/Capitol Hill regional growth centers. Improvements will benefit transit riders travelling to and from locally designated centers as well, including Eastlake, Queen Anne, Fremont, Wallingford and Ballard.

Mercer/Roy improvements will contribute to drastic improvement in circulation within the Uptown/South Lake Union Centers. The arterials improved by the Mercer Corridor project are key corridors for circulation within the centers for all modes. The project will create a more livable, walkable neighborhood, giving residents, businesses, visitors and employees a sense of place.

Travel Choices - The project provides safe and convenient access for residents, employees and visitors by improving pedestrian, bicycle, transit facilities and connections. Over 11 million people choose transit to travel within and through this Uptown each year. The project complements existing bus and rail service which serves

a much needed transit connection with Downtown Seattle at the Westlake Transit Hub and allows for the future implementation of east-west transit service along Mercer Street. Over 50,000 pedestrians and 300 bicyclists travel in the project area per day.

**System Continuity** - The project fixes the 40 year old Mercer "Mess". It is the primary goal of this project to provide system continuity. When completed the Mercer Corridor project will improve access through Uptown to areas such as Seattle Center, Fremont, Interbay, Ballard, Eastlake, Queen Anne, and Magnolia. It will eliminate the circuitous weave created by the existing Fairview-Valley-Broad route for westbound traffic between I-5 and SR-99. A more direct route to these areas will be provided. The project will provide improvements to safety and mobility as well as regional and local access to/through/from I-5, SR-99 and Uptown for all modes of transportation including autos, bikes, pedestrians, freight and transit.

**Parking** - the project will provide an organized parking management approach which will benefit users. Further, the project supports growth in commercial and residential development within and adjacent to the project area. This redevelopment will ultimately result in the availability of even more off-street parking.

## **B. Manufacturing/Industrial Centers**

**Instructions:** Complete this section (question 14) if you selected "Manufacturing/Industrial Centers" in question 10, and then proceed directly to Part 2. Do not complete Sections A or C.

**14. Mobility and Accessibility.** Please address the following:

- **Freight Movement.** Describe how the project provides opportunities for freight movement.
- **Growth Plans and Policies.** Describe how the project will benefit or support the development of the manufacturing/industrial center.
- **System Continuity.** Does the project complete a physical gap, provide an essential link, or remove a barrier in the Freight & Goods component of the Metropolitan Transportation System (See Destination 2030, Technical Appendix 4)? Please describe.
- **Safety.** Describe how the project improves safety and reduces modal conflicts to help achieve a "seamless" system.
- **Improved Commute Access.** Describe how the project improves access for one or more modes to major employment sites or access to residential areas outside the center, including opportunities for active transportation.
- **Trip Reduction.** How does the project promote Commute Trip Reduction (CTR) opportunities?
- **User Groups Supported.** Describe the user groups (e.g. employees, customers, modal carriers, those identified in the President's Order for Environmental Justice and/or areas experiencing high levels of unemployment or chronic underemployment) that will benefit from the project.
- **Economic Strategy.** Describe how the project helps to create or sustain jobs in the targeted industry clusters within the center; these clusters are identified in the adopted 2005 Regional Economic Strategy.

## **C. Connecting Corridors**

**Instructions:** Complete this section (questions 15-17) if you selected "Corridors Serving Centers" in question 10, and then proceed directly to Part 2. Do not complete Sections A or B.

**15. Benefit to Centers or Manufacturing/Industrial Center.** Please address the following:

- **Growth Plans and Policies.** Describe how this project will benefit or support the housing and employment development of a regional growth and/or manufacturing/industrial center(s). Does it support multiple centers?

- Travel Choices. Describe how the project provides a range of travel modes to users traveling to centers, or if it provides a missing mode.
- User Groups Supported. Describe the user groups that will benefit from the project, including commuters, residents, commercial users, those groups identified in the President’s Order for Environmental Justice and/or areas experiencing high levels of unemployment or chronic underemployment).
- Economic Strategy. Describe whether the project helps to create or sustain jobs in the targeted industry clusters within a center; these clusters are identified in the adopted 2005 Regional Economic Strategy.

**16. System Continuity.** Please address the following:

- Serving Centers. Describe how this project provides a “logical segment” that links to a regional growth or manufacturing/industrial center.
- Missing Link. Describe how the project fills in a missing link or removes barriers to a center.
- Congestion Relief. Describe how this project will relieve pressure or remove a bottleneck on the Metropolitan Transportation System and how this will positively impact overall system performance.

**17. Long-term Benefit/Sustainability.** Please address the following:

- Efficiency. How does this project support a long-term strategy to maximize the efficiency of the corridor? Describe the problem and how this project will remedy it.
- Safety. Describe how this project improves safety and/or reduces modal conflict, and provides opportunities for active transportation.

**PART 2: QUESTIONS FOR ALL PROJECTS**

**Instructions:** Once Section A, B, or C in Part 1 has been completed, complete all of Part 2 (questions 18-21).

**D. Air Quality and Climate Change (20 Points STP, 40 Points CMAQ)**

**18. Describe how your project will reduce emissions.** Include a discussion of the population served by the project – who will benefit, where, and over what time period. Projects may have the potential to reduce emissions in a variety of ways, depending on the type of project. Please provide the requested information if your project contains the elements listed below:

- Diesel retrofits: Describe the types and numbers of vehicles, vessels, or equipment involved, how often they are used, where they are used, how much fuel is consumed annually and when the retrofits will occur.
- Roadway capacity (general purpose and high occupancy vehicles): Describe the roadway and travel conditions before and after the proposed project, including average daily traffic and travel speeds. Describe the potential for multimodal connections, shorter vehicle trips, etc.
- Transit (park-and-ride lots, new or expanded transit service, transit amenities, etc.): What is the current transit ridership in the project area? What are the current transit routes serving the project area? If a park-and-ride lot, how many stalls are being added? Describe how the amenities (or other components of the project) are expected to encourage new transit ridership and shift travel from single occupant vehicles to multimodal options. What is the average trip length for a new rider?
- Bicycle and/or pedestrian facilities: What is the length of the facility? What are the connections to other nonmotorized facilities and to the larger nonmotorized system? Describe the expected travel shed (i.e., land use and population surrounding the project).

- **Signalization and other ITS improvements:** Describe the existing conditions in the area (i.e., level of service, average daily traffic, etc.), and describe how the project is expected to improve traffic flow (increase speed, reduce idling, remove accidents, etc.). Is there a significant amount of truck traffic (i.e. freight movement) on the facility? Does the project improve traffic flow for particular modes, e.g. HOVs, or types of vehicles, e.g. freight trucks?
- **Alternative fuels/vehicles:** Describe the change in fuel or vehicle technology. How many vehicles are affected? What are the current conditions?
- **Other:** Describe how your project has the potential to reduce emissions through technology, improved management or other means, e.g. “no idling” signage & enforcement, auxiliary power units to operate heating, cooling & communications equipment, truck stop electrification, etc.

The Mercer Corridor project is a critical part of Seattle's strategy to create a vibrant, livable and walkable community in Uptown and South Lake Union. This is part of Seattle's overall goal of creating a sustainable community and reducing greenhouse gas emissions. By 2030 Uptown and South Lake Union will be home to over 52,000 jobs and over 14,500 housing units in mixed-use, high-density neighborhoods with schools, shopping, cultural and recreational facilities all accessible by walking, biking and transit. Uptown and South Lake Union are located adjacent to Downtown Seattle and are linked to regional transportation facilities including I-5, SR-99 and South Transit's Link Light Rail system. The Mercer Corridor project will provide the facilities to make the sustainable growth of Uptown and South Lake Union a reality.

**Roadway capacity :** The new configuration with a two-way Mercer West and Roy Street combined with a narrower Valley Street, will eliminate the existing circuitous route for over 30,000 general traffic vehicles per day. Overall travel times and safety will be improved for these travelers. Queues at the exit of I-5 onto Mercer St will be significantly reduced, reducing idling and congestion on I-5. As mentioned above, improvements will reduce collisions along the corridor, improving traffic flow and reducing emissions.

**Transit:** These regional growth centers are connected by bus, streetcar and monorail service to Downtown Seattle and the rest of the regional transit system. These services provide an attractive and convenient alternative to driving. Over 11 million people choose transit to travel within and through this Uptown each year. Improvements along Mercer St will improve the efficiency of transit service within Uptown and South Lake Union. Pedestrian improvements will increase access to the streetcar, monorail and other transit service. Improvement of Mercer St provides a direct corridor between Uptown, South Lake Union and First Hill/Capitol Hill, allowing implementation of new transit service along Mercer St connecting these three regional growth centers as planned for in the South Lake Union Transportation Plan and Seattle Transit Plan. Many transit riders are travelling to and from other locally designated centers including Eastlake, Queen Anne, Fremont, Wallingford and Ballard.

**Bicycle and pedestrian facilities:** Over 55,000 pedestrians and 300 bicyclists use the project area daily. The Mercer Corridor project includes significant improvements for these users, including bike lanes, improved and widened sidewalks and landscaping will all contribute to a sense of place as well as enhance safety and convenience for these groups. All intersections will have ADA compliant curb ramps, improved crossing markings and pedestrian countdown signals at signalized intersections.

**Signalization and ITS -** New signals will be installed at 3 locations and 14 signals will be modified in the Mercer West project and are included in this grant request. The Mercer Corridor is a state designated T-1 truck route. Improvements are designed to accommodate freight needs, incorporating features to improve freight movement. Improved traffic flow will reduce diesel truck idling and queues at I-5 and along the corridor to and from 4 Regional Growth Centers and Ballard Manufacturing/Industrial Center.

## E. Project Readiness/Financial Plan (10 Points)

**Introduction:** Two primary tools will be used to obtain information needed to judge a project's ability to proceed: responses to the project readiness question (14) and financial plan question (15) below. The primary objective of the evaluation is to determine whether a sponsor has assembled all of the funding needed to complete the project or phase(s), and when the sponsor will be ready to obligate the requested regional funding. All questions must be completely and accurately filled out in order for this information to be properly assessed. The information will be used to determine:

- When the sponsor can complete all prerequisites needed to obligate the project's requested PSRC funding.
- When the sponsor plans to obligate requested PSRC funding.
- The amount and source of secured funding for the project.
- The amount and source of reasonably expected but unsecured funding for the project.
- Whether PSRC's federal funds will complete the project or a phase of the project.

**Note:** The standard PSRC definitions will apply for determining when funding is "secured" or "reasonably expected to be secured." These definitions are included in Section 5 of the STP/CMAQ Regional Competition Call for Projects.

**19. Project Readiness:** Please fill out the questions below if your project is requesting funds for a Right-of-way (ROW) and/or Construction (CN) phase. Projects requesting funds only for a Preliminary Engineering phase need not answer question #19.

**PSRC recognizes that the complexity of some projects can trigger a variety of prerequisites that must be satisfied before STP and CMAQ funding is typically eligible to obligate. These questions are designed to identify those requirements and assist sponsors to:**

- Identify which requirements apply to their specific project.
- Identify which requirements have already been satisfied at time of application.
- Provide an explanation and realistic completion date for all requirements not yet completed.

**Important instructions:** For question 19A below, select one of the three options from the drop-down list for each item that applies at the time of submission of this application. These items are based on the documentation requirements for obligation of federal funds. For any item where "Item not yet completed" is selected, and for any additional requirements pertaining to the project, provide details in question 19B, including the estimated schedule for completion.

**19A. Check all items that apply below.** Note: if no ROW is required for the project, select "not needed" for sections b through g.

- |                      |                                                                                                                                                                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not yet completed a. | Final FHWA or FTA approval of environmental documents including:<br>Not yet completed - BA Concurrence: NMFS, U.S. Fish & Wildlife, WSDOT.<br>Not yet completed - Section 106 Concurrence.<br>Not yet completed - FHWA/FTA Environmental Classification Summary Checklist (or EA or EIS). |
| Not yet completed b. | True Cost Estimate for Right of Way.                                                                                                                                                                                                                                                      |
| Not yet completed c. | Right-of-way Plans (stamped).                                                                                                                                                                                                                                                             |
| Not yet completed d. | Relocation Plan (if applicable).                                                                                                                                                                                                                                                          |

- Not yet completed e. Right-of-way Certification.
- Not yet completed f. Certification Audit by WSDOT R/W Analyst.
- Not yet completed g. Relocation Certification, if applicable.  
Not yet completed - WSDOT Certification Audit of Relocation Process, if applicable.
- Not yet completed h. Engineer's Estimate.
- Not yet completed i. All environmental permits obtained (e.g., Army Corps of Engineers Permit, HPA, etc.)

**19B. Additional information:** Include details on any items above that are not yet completed and provide an estimated schedule. Please provide any additional information as appropriate (e.g., status of planning, environmental documentation, permits, design, etc.).

SDOT has not begun the design and environmental process on this segment of the Mercer Corridor project.

**20. Financial plan:** Please fill out Tables A through D below and corresponding questions E through F. The purpose of the tables and questions is to allow sponsors to fully document their project’s financial plan and schedule. Tables A, B, and C build upon one another to provide the estimated cost of each phase as well as a project’s total cost (Table D). The tables require sponsors to list the federal funds being requested from the Regional Competition (Table A), as well as ALL other sources of secured (Table B) and unsecured (Table C) funds needed to complete the project.

**Guidelines:**

- All requested information must be provided to earn maximum points.
- Provide financial information for all funding types in every applicable phase, and use a separate row for each funding source.
- Totals of federal and other funds listed in Tables A, B, and C should equal the total project cost in Table D.
- Funding commitment letters must be provided for all financial partners.

**Required Match:** A minimum of 13.5% match is required for both STP and CMAQ funds. Sponsors of projects awarded funds through this competition will be required to provide information on these matching funds at a later date.

**Table A: Funding Requested from Countywide Competition**

Phase	Estimated Obligation Date by Phase (mm/dd/yy)	PSRC Federal Funding Source (enter either STP or CMAQ; choose only one)	PSRC Federal Funds Amount
Design	01/01/2010	STP	\$1,200,000
Construction	06/30/2011	STP	\$6,960,000
			\$
<b>Totals:</b>			<b>\$8,160,000</b>

**Table B: Existing Secured Funding**

Phase	Estimated Obligation date by Phase* (mm/dd/yy)	Source	Amount
			\$
			\$
<b>TOTAL:</b>			<b>\$</b>

\*For tables B and C, “obligation” may be defined as expenditure or other commitment of funds. For assistance, please refer to “Definitions for Secured and Reasonably Expected to be Secured Funding” in Section 5 of the Call for Projects.

**Table C: Needed Future Funding (Unsecured)** Note: do not include the grant funds requested in Table A

Phase	Estimated Obligation date by Phase (mm/dd/yy)	Source	Amount
Design	12/01/2009	Local	\$300,000
Construction	12/01/2010	Local	\$1,740,000
			\$
<b>TOTAL:</b>			\$

**Table D: Total Project Cost and Schedule** (Please provide the total estimated cost and scheduled completion date for each phase of the project.)

Total Estimated Project Cost		Scheduled Completion of Phases	
Phase	Total Estimated Cost	Phase	Scheduled Completion Date (mm/dd/yy)
Planning:	\$	Planning:	
Preliminary Engineering/Design:	\$1,500,000	Preliminary Engineering/Design:	06/30/11
Right of Way:	\$n/a	Right of Way:	n/a
Construction:	\$8,700,000	Construction:	06/30/12
Other (Specify) :	\$	Other (specify) :	
Total Project Cost:	\$10,200,000	Estimated date of completion (i.e. open for use)	06/30/12

**E. Identify the project phases (PE, ROW, CN, etc.) that will be fully completed if requested funding is obtained:**

PE, CN

**F. If unable to completely fill out Table D (Total Project Cost and Schedule):** Use the space below to explain the nature of any project for which the total project cost and/or schedule is presently unknown. For example, a project may study the merits/costs of various routes or construction techniques and, consequently, the total project costs won't be determined until the study is complete.

**F. Other Considerations (No Points)**

**21. Please describe any additional aspects of your project** not previously addressed in the application that could be relevant to the final project recommendation and decision-making process, particularly those relating to the support of centers and connecting corridors. Note: no points will be given to this section.



Mercer Corridor

Legend

-  Mercer Street
-  Interstates
-  State Routes

# South Lake Union/Uptown Mercer Corridor Improvements



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Coordinate System: State Plane,  
 NAD83-91, Washington, North Zone  
 Orthophoto Source: Walker & Associates 2005

PLOT DATE : 04/2009  
 AUTHOR : Craig Moore  
 J:\GIS\GIS Projects\Grants\Mercer Corridor.mxd



Light Blue – MC04A  
 South Lake Union/Uptown Mercer Corridor Improvements (West Segment)  
 Project Map  
 2009 STP CMAQ Competition – Seattle

# Mercer West Corridor Improvements

The larger Mercer West Project will convert Mercer Street to a two-way street between Dexter Ave and Elliott Ave West. The Mercer underpass at Aurora Ave will be expanded to allow for six travel lanes and a 20-ft bicycle/pedestrian shared use path. Roy Street (between Aurora and Queen Anne Ave) will also be converted to a two-way street with 5-ft on-road bicycle lanes.



Traffic in the "Mercer Mess"



Seattle Urban Centers

