

**APPLICATION FOR FUNDING
CMAQ PROGRAM FYs 2008-2010**

Wisconsin Department of Transportation

Date of Application <i>March 30, 2007</i>	Application Number	WisDOT Project ID Number
Project Title Expansion of Traffic Adaptive Signal System	Location(s) Served by Project <i>Signalized Intersections adjacent to project 2984-02-09</i>	
Project Description - Project Limits <i>Signalized Intersections adjacent to project 2984-02-09</i>	County/Countries Served by Project <i>Milwaukee</i>	
Project Description Continued	Total Cost of Project (Including Local Match) <i>\$570,000</i>	
Name and Address of Public Sponsor <i>City of Milwaukee Department of Public Works 841 N. Broadway Rm. 701 Milwaukee, WI 53202</i>	Name, Telephone & Fax Numbers of Public Sponsor Contact <i>Jeffrey S. Polenske, PE City Engineer Phone: (414) 286-2400 Fax: (414) 286-5994</i>	
Other Organization(s) Involved in Project (e.g. Private Partner)	Name, Telephone & Fax Numbers of Private Partner	
Project Category/Categories <input type="checkbox"/> Public Transportation <input type="checkbox"/> Bicycle/Pedestrian <input type="checkbox"/> Car and Vanpooling <input type="checkbox"/> Park & Ride Lot <input checked="" type="checkbox"/> Traffic Flow Improvement (e.g. System Signalization) <input type="checkbox"/> Alternative Fuels <input type="checkbox"/> Other (Please Describe, e.g., Diesel Retrofit):	Sponsor's Metropolitan Planning Organization Area <input checked="" type="checkbox"/> Southeastern WI Regional Planning Commission (SEWRPC) <input type="checkbox"/> Bay-Lake Regional Planning Commission (BLRPC) - only for Sheboygan Metropolitan Planning Area <input type="checkbox"/> Non Metropolitan Planning Area	
Project Description - Be Brief But Complete		
1. Where is the project located? Who does it serve? How large will it be? What will it be made of? How will it be accomplished? <i>Important: In addition to describing the project location below, attach a map of the project site to this application.</i> <i>The project will include locations to expand the proposed traffic adaptive signal system (State Project ID 2984-02-09) which includes South 27th Street, West Forest Home Avenue, and West Oklahoma Avenue. Work will include the expansion of the traffic adaptive signal system to further improve traffic flow on the entire signal system.</i>		
2. Why is the project necessary? How will it contribute to improving air quality? <i>The proposed work will include the evaluation, design, and installation of detection, communication, and other signal improvements to expand the traffic signal adaptive system being designed and constructed under State Project ID 2984-02-09. By adapting to traffic flow changes, queuing and idling will be minimized, reducing fuel consumption and emissions.</i>		
3. Realistically, how much use will this facility or service get? <i>South 27th Street (STH 241) currently has 54,900 VMT, West Oklahoma Avenue has 58,700 VMT, and West Forest Home Avenue (STH 24) 19,300 VMT within the signal system.</i>		
4. What is the project timeline? How will the sponsor ensure that the project is implemented in a timely manner? <i>The City of Milwaukee plans to let the design of the project in 2008. Upon the completion of the design, the City and the contractor will undertake the installation and testing of all detection, communication, and other equipment used in the project in 2009, with the project being fully implemented by 2009. The City will oversee the</i>		

design process to ensure that all tasks are performed in a timely manner.

5. What obstacles or problems must be overcome to implement this project?

The City of Milwaukee must ensure that all hardware and software can be integrated into the system and that all communication devices work as programmed.

6. What will make this project a success?

The proposed project will ensure that the traffic signals within the traffic signal system are operating as efficiently as possible in response to variations in traffic using real time detection. This will minimize queuing and idling throughout the entire traffic signal system.

Project Cost Estimate & Timetable ¹			
Item	Year 1	Year 2	Year 3
Engineering & Design ²	\$ 150,000	\$	\$
State Design Review ³	\$	\$	\$
Real Estate & Easements	\$	\$	\$
Utility Relocation	\$	\$	\$
Construction	\$	\$	\$
Bridges & Buildings	\$	\$	\$
Landscaping	\$	\$	\$
Railroad Signals/Crossings	\$	\$	\$
Traffic Control Devices	\$	\$ 420,000	\$
Operation & Maintenance	\$	\$	\$
Marketing & Promotion	\$	\$	\$
Other: e.g. transit operating	\$	\$	\$
Other: e.g. transit capital	\$	\$	\$
Other:	\$	\$	\$
Subtotal	\$	\$	\$
Contingencies & Constr Mgt ⁴	\$	\$	\$
Total	\$	\$	\$
Local Share ⁵	\$ 30,000	\$ 84,000	\$
Federal Share ⁶	\$ 120,000	\$ 336,000	\$

¹ Typically design is done in Year 1, real estate acquisition in Year 2, and construction in Year 3.

² Engineering/Design cost is typically 15% to 20% of the construction cost.

³ State design review is typically 3% of construction cost, minimum \$5,000. This covers plan review, bid advertisement, and printing/mailling of plan sets to potential bidders. This cost applies only to projects that will be let and administered by WisDOT.

⁴ Contingencies and construction management are typically budgeted at 15% of the Subtotal.

⁵ Local share for this program is normally 20%.

⁶ Federal share for this program is normally 80%.

Please affirm your understanding of the following project conditions by initialing in the spaces provided:

- _____ A. Private organizations proposing projects generally must have a public sponsor (a local government unit or transit operator).
- _____ B. The project sponsor or private partner must provide matching dollar funding of at least 20% of project costs.
- _____ C. This is a reimbursement program. The applicant organization must finance the project until Federal reimbursement funds are available.
- _____ D. The applicant must fund project costs in excess of the amounts indicated in the above Project Cost Estimate (i.e. cost overruns) at no expense to State/Federal funding sources.
- _____ E. Projects must be designed and constructed in accordance with all applicable federal and state requirements, including but not limited to those on page 13 of the application.

If the public sponsor is submitting more than one application, prioritize this project here (e.g., 1 of 5):

4 of 9

I hereby certify that the above statements are true and complete to the best of the applicant's knowledge and understanding.

Name of Applicant Organization

City of Milwaukee, Department of Public Works

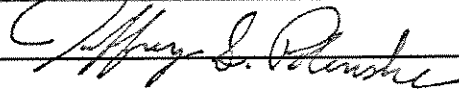
Name of Signer (Printed Clearly)

Jeffrey S. Polenske, P.E.

Title

City Engineer

Signature



Date

Information Below to Be Completed by the WisDOT Region Office

Environmental Document Type

Improvement Type

Program Year

Primary ID

Related ID's

Program
CMAQ

Responsible Projects Group

Project Supervisor

WisDOT Region Approvals

Team Leader Approval

Date

Group Manager Concurrence

Date

Programming Team Approval

Date

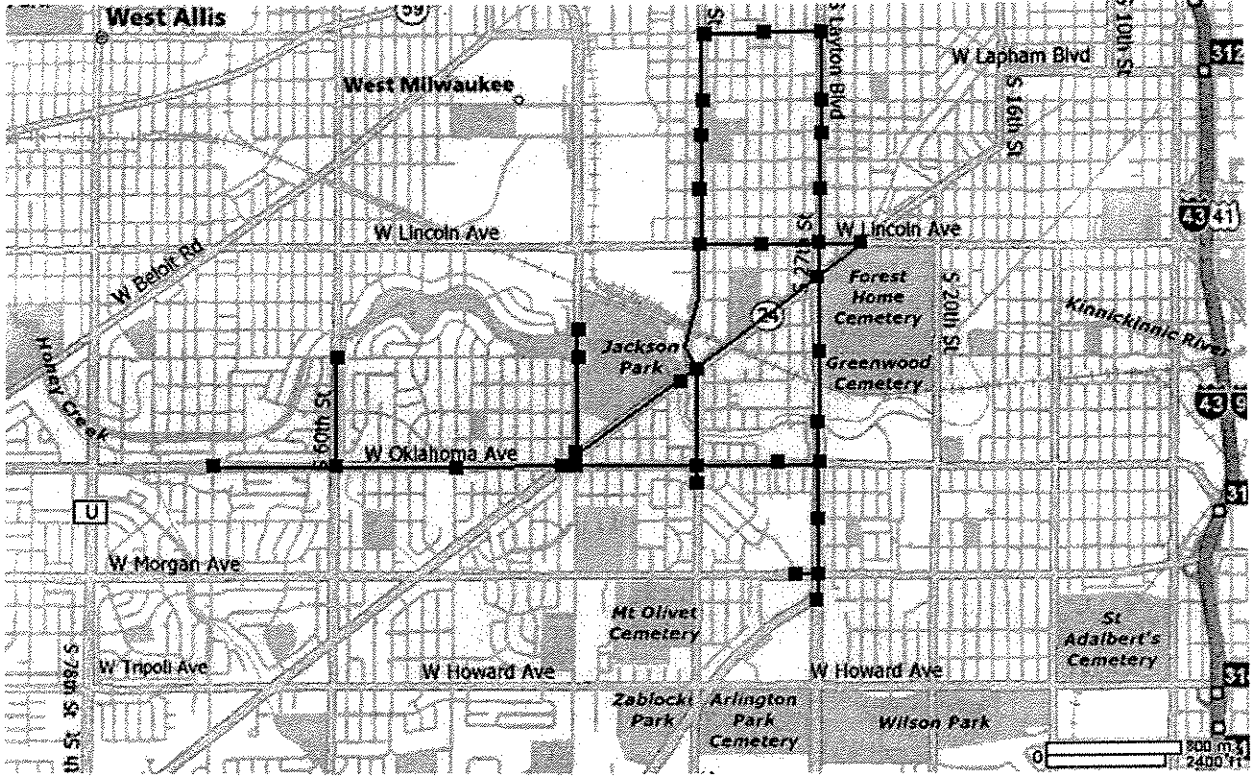
Systems Planning Manager Concurrence

Date

PLEASE ATTACH A SITE MAP, PHOTOGRAPHS, OR ANY OTHER GRAPHICS THAT WILL ASSIST THE SELECTION COMMITTEE IN UNDERSTANDING THE LOCATION AND NATURE OF THE PROPOSED PROJECT.

PROJECT LOCATION MAP

Locations to be Considered for Improvements



■ Traffic Signal Location