



*Wisconsin Department of Transportation (WisDOT)*  
**2008-2011 HIGHWAY SAFETY IMPROVEMENT PROGRAM Project Application Form**  
**GENERAL INSTRUCTIONS**

All shaded areas will be completed by WisDOT staff.

**Box 1** Fill in those areas that are applicable to your project.

 For 'Name of Road/Intersection,' use **From-To** (South-North or West-East) format for a road segment such as "6th St.-9th St."

 For projects that are within the boundary of a Metropolitan Planning Organization (MPO), state the name of the MPO.

**Box 2A** Segment crash rate equals the number of crashes per 100 million vehicle miles of travel and is calculated by the following formula:  $\text{Crash Rate} = (\# \text{ crashes} / \# \text{ yrs.} \times 100,000,000 / (365 \times \text{AADT} \times \text{project length in miles}))$

# crashes = Total number of crashes during study period

# years = Number of years in study period

AADT = Annual Average Daily Traffic

**Box 2B** Intersection crash rate equals the number of crashes per million entering vehicles and is calculated by the following formula:  $\text{Crash Rate} = (\# \text{ crashes} / \# \text{ yrs.} \times 1,000,000 / (365 \times \text{Entering Vehicle Volume}))$

Entering Vehicle Volume = Total number of vehicles **entering** the intersection from all directions.

**Box 3** Describe the project in as much detail as possible. A good, detailed, description explaining how the project will address the identified hazard(s) is essential for WisDOT review. Specifically, note whether additional through travel, auxiliary, parking or turning lanes will be added.

**Box 4** If your project will be constructed in phases throughout multiple years, then provide the project costs in the appropriate year and describe each in your proposed improvement statement. List major construction items and their estimates such as new traffic signal installation, by-pass lane, intersection channelization and new beam guard installation. Because the Project Evaluation Factor is used to justify the approval of projects, **ALL COSTS** (including design, utilities and R/E) should be provided regardless of whether or not HSIP funds will be used for all elements of the project. This will ensure that the entire project is a worthy project and deserving of HSIP funds.

**Box 5** Properties on the National Register of Historic Places may be identified by contacting local historical groups or the State Historical Society. You may wish to contact your WisDOT Region Office. Federal law restricts federal-aid projects from using publicly owned land of a park, recreation area or wildlife and waterfowl refuge.

**Box 7** Must be signed by an official able to commit funds and certify as to the answers provided in Box 6. Leave blank for STATE projects.

**Note: This is *NOT* a federal-aid grant program. Project sponsors will be reimbursed for 90% of total project costs, up to the approved project cost. Any costs incurred in excess of the approved project cost will be the responsibility of the project sponsor.**

**Support Material:** Each application must include **4 copies** of the following:

- General Sketch of Project Proposal (example attached). *An adequate sketch is the minimum requirement. Preliminary plan layout sheets or study reports should be provided if available.*
- Collision Diagrams (example attached).
- Site Photos (originals with each package for a total of 4 copies).
- Warrant Documentation, **only** for all proposals to install new traffic signals (example worksheet available upon request. Ref: Manual on Uniform Traffic Control Devices (MUTCD), Part IV, Sec C).

**Additional Support Material:** Each application must include **1 copy** of the following:

- Accident Reports (most current consecutive three years minimum) and appropriate accident analysis.

**Note: Applications that do not include Support and Additional Support Materials will not be accepted.**

**Optional Support Material:** Each application may include **1 copy** of the following:

- Local Support/Commitment. You might want to list local support received in a separate attached letter.

**Project Application for 2008-2011 HIGHWAY SAFETY IMPROVEMENT PROGRAM**

DESIGN ID:	TIED PROJECT IDs:
RELATED ID(s): (R/W) (CONST)	

**Project Description**

1. NAME OF ROAD/INTERSECTION <i>85 Local Street Intersections (Grant #2)</i>		HWY NO.
COUNTY <i>Milwaukee</i>	CITY OF <i>Milwaukee</i>	TOWN OF
NAME OF THE MPO THE PROJECT IS REPRESENTED BY <i>SEWRPC</i>		

Is the estimated cost of the project less than \$25,000?

☐

Yes

☒

No

If YES, be sure to complete Box 6 in addition to the rest of this form.

2A. SEGMENT Current Average Daily Traffic		Project Length Miles	
Roadway Width	Crash Rate	Shoulder Width	

2B. INTERSECTION Roadway Width	Crash Rate	Entering Vehicle Volume
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**Identification of Hazard**

2C. Explain identified hazards such as: Visibility Restrictions, Curves, Hills, Intersection Problems, Bike/Ped Conflicts, Narrow Shoulders, Rutting, Etc.

*Existing "Walk/Don't Walk" housings at signalized intersections do not provide the time remaining in the flashing "Don't Walk" phase prior to the start of the yellow change interval. Since pedestrians do not know how much time they have prior to the start of the yellow change interval, conflicts occur with vehicles because pedestrians fail to clear the crossing before the start of the conflicting green phase.*

*Eighty five signalized local street intersections in and around downtown Milwaukee have been identified for improvements. These intersections had 1,042 crashes between 2004 and 2006 resulting in 452 injuries, including 52 pedestrians (See Attachment A).*

**Proposed Improvement**

3. In some detail, describe the proposed project and how it will address the identified hazard.

*The installation of 637 pedestrian countdown timers with larger 12" combination "Walk/Don't Walk" housings will reduce the conflicts between pedestrians and vehicles to the extent practical and assist pedestrians in crossing safely at 86 local street intersections by providing the time remaining in the flashing "Don't Walk" phase prior to the start of the yellow change interval.*

## Project Cost

4. Estimate project costs in today's dollars)	FY 2008	FY 2009	FY 2010	FY 2011	HSIP Funds Requested
Preliminary Engineering-Design*: Include state review (-00)		\$70,000			\$70,000
Construction Inspection (-71)		\$5,000			\$5,000
Traffic Signals (-90)		\$675,000			\$675,000
** TOTAL		\$750,000			\$750,000

\* Ineligible cost for Small Local HSIP Project (less than \$25,000).

\*\* The project sponsors will be responsible for any project costs in excess of the approved project cost.

## Project Checklist

### Complete this box only for projects less than \$25,000:

5. Will project affect or use land from a property on the National Register of Historic Places?

☐ Yes ☐ No

Will project require the use of any publicly-owned land from a public park, recreation area, or wildlife and waterfowl refuge?

☐ Yes ☐ No

Is your municipality adequately staffed and equipped to do the work?

☐ Yes ☐ No

Does your municipality have prior commitments that would impair your performance of this work?

☐ Yes ☐ No

## Contact Information and Signature

6. PRIMARY CONTACT PERSON or AGENCY		
NAME <i>Jeffrey S. Polenske, P.E.</i>	TITLE <i>City Engineer</i>	
ADDRESS <i>841 North Broadway, Room 701</i>	TELEPHONE <i>(414) 286-2400</i>	
MUNICIPALITY <i>City of Milwaukee</i>	STATE <i>WI</i>	ZIP <i>53202</i>
7. SIGNATURE OF LOCAL APPROVING AUTHORITY		DATE

## WisDOT Information – Shaded areas to be completed by WisDOT staff only.

A. Environmental Documentation Type		B. Hazard Elimination Type	
C. PMSID	D. Functional Class		E. PEF

REGION APPROVAL Project Supervisor	Date
Planning Supervisor	Date

C.O. Concurrence	Approved _____ Disapproved _____
Approving Authority	Date

REVISED 12/12/06

## PROJECT LOCATION MAP

