

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 N. Sherman Blvd. (4 Intersections)		HWY NO. STH 145
COUNTY Milwaukee	CITY OF Milwaukee	TOWN OF
NAME OF THE MPO THE PROJECT IS REPRESENTED BY Southeast Wisconsin Regional Planning Commission (SEWRPC)		

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. INTERSECTIONS	Crash Rate:	Entering Vehicle Volume:
W. Lloyd St. and N. Sherman Blvd.	0.22	22,600
W. Lisbon Av. and N. Sherman Blvd.	0.84	30,700
W. Center St. and N. Sherman Blvd.	1.50	41,200
W. Fond du Lac Av. (STH 145) and N. Sherman Blvd.	0.50	65,100

Identification of Hazard

2C. Explain identified hazards such as: Visibility Restrictions, Curves, Hills, Intersection Problems, Bike/Ped Conflicts, Narrow Shoulders, Rutting, Etc.
<p><i>A corridor and intersection safety audit performed by Opus International Consulting, Inc. which was commissioned by the American Automobile Association (AAA). From 2004 to 2006, there were 5 crashes at N. Sherman Blvd. and W. Lloyd St. resulting in 2 injuries, 26 crashes at N. Sherman Blvd. and W. Lisbon Av. resulting in 22 injuries, 62 crashes at N. Sherman Blvd. and W. Center St. resulting in 43 injuries, and 32 crashes at N. Sherman Blvd. St. and W. Fond du Lac Av. (STH 145) resulting in 25 injuries. Of the total 125 crashes, there were 23 disregard of red crashes (18%), 39 rear-end crashes (31%), and 28 opposing left turn crashes (22%)</i></p> <p><i>The following hazards were identified at all four intersections. The use of post mounted signals and 8" lenses reduce signal visibility. The absence of stop bars on all approaches causes vehicles to encroach into crosswalks where painted and the absence of pedestrian countdown timers increase pedestrian vehicle conflicts at the end of green signal phases. Lastly, the existing left-turn bays provide poor offsets for left turning vehicles, reducing the visibility of opposing through vehicles causing opposing left-turning vehicle crashes.</i></p>

Proposed Improvement

3. In some detail, describe the proposed project and how it will address the identified hazard.
<p><i>A corridor and intersection safety audit performed by Opus International Consulting, Inc. identified the following improvements to increase pedestrian and vehicle safety by reducing the number of disregard of red and rear-end crashes. Stop bars will be painted on all approaches. The traffic signals will be upgraded to 12" lenses, far-right overhead mast arms will be installed on all approaches, and backplates with reflective borders will be installed on far side signal indications to maximize signal visibility to reduce right-angle and rear-end crashes. Pedestrian indications will be upgraded to 12" combination "Walk/Don't Walk" indications and countdown timers will be installed to ensure pedestrians enter and clear the intersection safely.</i></p> <p><i>In addition, to reduce the number of opposing left-turning vehicle crashes, median modifications and</i></p>

signal equipment will be upgraded eastbound on W. Lloyd St. at N. Sherman Blvd., northbound and southbound on N. Sherman Blvd. at W. Center St. and W. Fond du Lac Av. (STH 145).

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)		\$33,000	\$0		\$33,000
Major Construction Items (Include Construction Engineering and Contingencies) (-70)		\$0	\$180,000		\$180,000
Construction Inspection (-71)		\$0	\$5,000		\$5,000
Signals, Signs, and Street Lighting (-90)		\$0	\$99,000		\$99,000
Forestry (-97)		\$0	\$18,000		\$18,000
** TOTAL		\$33,000	\$302,000		\$335,000

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

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

6. PRIMARY CONTACT PERSON or AGENCY		
NAME <i>Jeffrey S. Polenske, P.E.</i>	TITLE <i>City Engineer</i>	
ADDRESS <i>841 N. Broadway, Room 701</i>	TELEPHONE <i>(414) 286-2400</i>	
MUNICIPALITY <i>Milwaukee</i>	STATE <i>WI</i>	ZIP <i>53202</i>

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

7. SIGNATURE, 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

DISTRICT APPROVAL Project Supervisor	Date
Planning Supervisor	Date

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

PROJECT LOCATION MAP



INTERSECTION PICTURES NORTH SHERMAN BOULEVARD (4 INTERSECTIONS)

Lloyd and Sherman Blvd. - Facing East



Lloyd and Sherman Blvd. - Facing West



Lloyd and Sherman Blvd. - Facing South



INTERSECTION PICTURES NORTH SHERMAN BOULEVARD (4 INTERSECTIONS)

Lisbon and Sherman Blvd. - Facing East



Lisbon and Sherman Blvd. - Facing West



Lisbon and Sherman Blvd. - Facing North



Lisbon and Sherman Blvd. - Facing South



INTERSECTION PICTURES NORTH SHERMAN BOULEVARD (4 INTERSECTIONS)

Center and Sherman Blvd. - Facing East



Center and Sherman Blvd. - Facing West



Center and Sherman Blvd. - Facing North



Center and Sherman Blvd. - Facing South



INTERSECTION PICTURES NORTH SHERMAN BOULEVARD (4 INTERSECTIONS)

Fond du Lac and Sherman Blvd. - Facing East



Fond du Lac and Sherman Blvd. - Facing West



Fond du Lac and Sherman Blvd. - Facing North



Fond du Lac and Sherman Blvd. - Facing South

