

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 W. North Av. at N. 7th St. and N. 8th St.		HWY NO. IH 43
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. North Av. and N. 7th St.	1.25	33,500
W. North Av. and N. 8th St.	1.45	30,800

Identification of Hazard

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

A corridor and intersection safety audit performed by Opus International Consultants, Inc. which was commissioned by the American Automobile Association (AAA). From 2004 to 2006 there were 42 crashes at N. 7th St. resulting in 20 injuries and there were 45 crashes at N. 8th St. resulting in 19 injuries. Combined of the two intersections, there were 14 rear-end crashes (16%), 25 disregard of red crashes (29%), and 10 left-turn related crashes (11%).

The following hazards were identified by the Opus International Consultants, Inc. There are no mast arm mounted signals eastbound or westbound at N. 7th St. or southbound on S. 8th St. and there are 8" lenses for nearside signals on all six approaches. In addition, the transition traveling westbound on W. North Av. is inconsistent, causing driver confusion which may contribute to sideswipe and rear-end crashes. Furthermore, there is inadequate storage for westbound left-turning vehicles at N. 8th St. Lastly, stop bars are missing on some approaches, and there are no pedestrian countdown timers at either intersection.

Proposed Improvement

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

The following improvements were recommended by Opus International Consultants, Inc. To improve signal visibility, far-right overhead mast arm mounted signals will be installed on all approaches at both intersections, all signal indications will be upgraded to 12" lenses, and reflective backplates will be installed on all far side signals. In addition, stop bars will be installed on all approaches and larger 12" combination "Walk/Don't Walk" indications with countdown timers will be installed to reduce conflicts between pedestrians and vehicles.

To improve the transition of through traffic westbound and provide adequate storage for westbound left-turning vehicles at N. 8th St., the medians will re-aligned between N. 6th St. and N. 7th St. and between N. 8th St. and N. 9th St. on W. North Av. and pavement markings will be installed to create a dual left turn lane at N. 8th St. In addition, signal improvements will be installed to provide protected only phasing for westbound left-turning vehicles at N. 8th St.

Project Cost

4. Estimate project costs in today's dollars)	FY 2008	FY 2009	FY 2010	FY 2011
Preliminary Engineering-Design (-00)*: Include state review		\$15,000		
Major Construction Items (Include Construction Engineering and Contingencies) (-70)		\$72,000		
Construction Inspection (-71)		\$5,000		
Traffic Signals and Signs (-90)		\$63,000		
** TOTAL		\$155,000		

* 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.

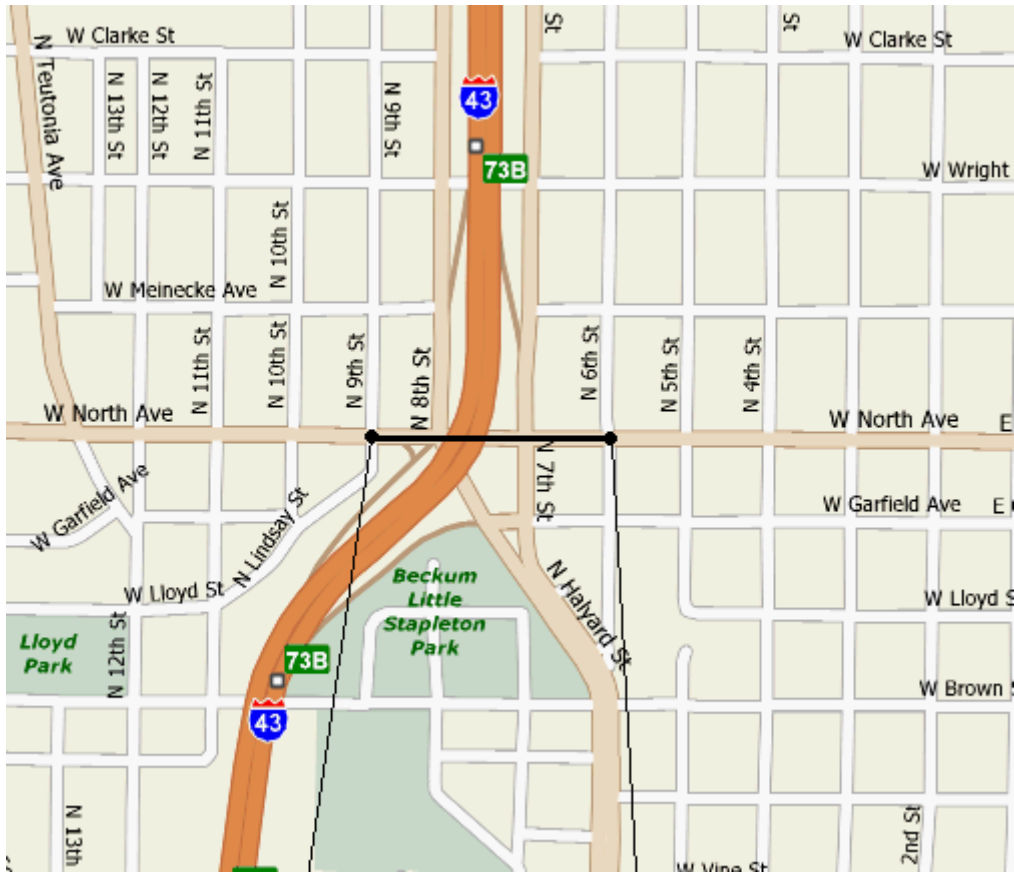
A. Environmental Documentation Type		B. Hazard Elimination Type	
C. PMSID	D. Functional Class	E. PEF	

DISTRICT APPROVAL Project Supervisor	Date
Planning Supervisor	Date

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

REVISED 01/02/2003

PROJECT LOCATION MAP



Start Project

End Project

INTERSECTION PICTURES WEST NORTH AVENUE AT NORTH 7TH STREET TO NORTH 8TH STREET

North and 7th - Facing East



North and 7th - Facing West



North and 7th - Facing North



INTERSECTION PICTURES WEST NORTH AVENUE AT NORTH 7TH STREET TO NORTH 8TH STREET

North and 8th - Facing East



North and 8th - Facing West



North and 8th - Facing South

