Highway Safety Improvement Program
Data Driven Decisions

HIGHWAY SAFETY IMPROVEMENT PROGRAM

Division of Transportation Investment Management
Bureau of State Highway Programs

Wisconsin Tribal Transportation Conference
Green Bay, WI
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General Overview

- HSIP is a core program within the current federal transportation bill (MAP-21).
- Purpose of HSIP is "…to achieve a significant reduction in traffic fatalities and serious injuries on all public roads."
- HSIP is focused on infrastructure improvements identified and selected through a data-driven approach.
- HSIP emphasis is on low-cost treatments that can be implemented quickly.

Program Funding

- **A federal reimbursement program and NOT a federal grant program**
- **90% federal HSIP funds available for most projects**
- **10% match required**
  - State pays match for STH projects
  - Locals pay match for non-STH projects (local streets and highways)

Program Cycle & Application Deadlines

- **Four-year program[1] of projects**
- **Program on an annual cycle**
- **Current program is 2015-2018**
- **Deadline for 2015-2018 Mid-Cycle HSIP submittals is February 13th, 2015**

1 Projects with longer, more complicated delivery schedules (at least 4 years) will be considered for approval in Years 5 and 6; but will be given lower priority than projects that can be delivered quickly.

Typical Eligible Spot Projects

- Intersection safety improvements (including installing/modifying traffic signals, roundabouts and channelization/turning radii improvements)
- Straightening isolated curves or hills
- Improving sight distance
- Access modifications
- Constructing turning, bypass or other auxiliary lanes
- Eliminating a roadside obstacle
- Installing guardrails, barriers and crash attenuators
- Installing signs, delineators, flashing warning lights (including fluorescent, yellow-green signs) at pedestrian-bicycle crossings, in school zones and other problem areas

Typical Corridor-Wide Projects

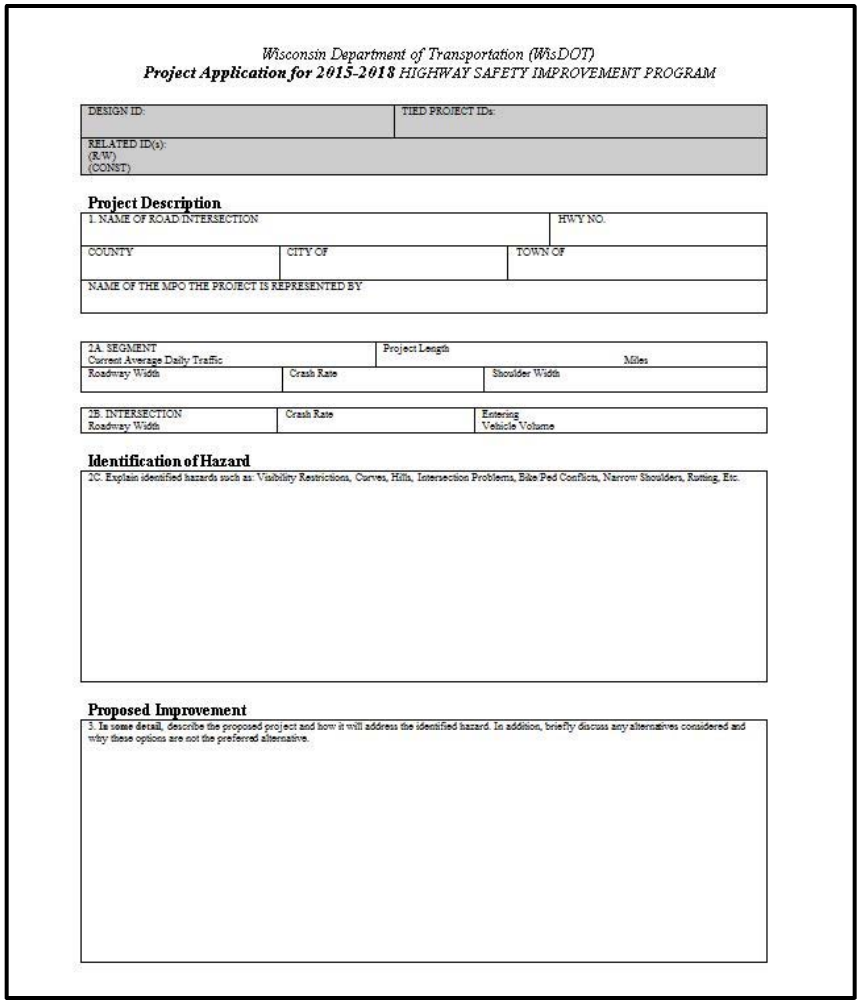
- Local units of government encouraged to conduct analyses to identify corridors with hazardous locations

- Typical projects could include:
  - Stand-alone beam guard installations and end treatments
  - Larger or additional signing
  - Chevrons
  - Pavement marking
  - Rumble strips
  - Eliminating clear zone encroachments
  - Pedestrian countdown timers
  - Corridor signal upgrades

Application Requirements

- Completed HSIP Project Application Form
- General sketch of project proposal
- Collision diagrams
- Crash history (most current consecutive 5 yrs.) and appropriate crash analysis; provide DTSD Region Office with MV4000 reports
- Site photos
- Itemized cost estimate
- Project Evaluation Factor (PEF) analysis worksheets

The HSIP Application Form



Wisconsin Department of Transportation (WisDOT)
***Project Application for 2015-2018** HIGHWAY SAFETY IMPROVEMENT PROGRAM*

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

Project Description

1. NAME OF ROAD INTERSECTION		HWY NO.
COUNTY	CITY OF	TOWN OF
NAME OF THE MPO THE PROJECT IS REPRESENTED BY		

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

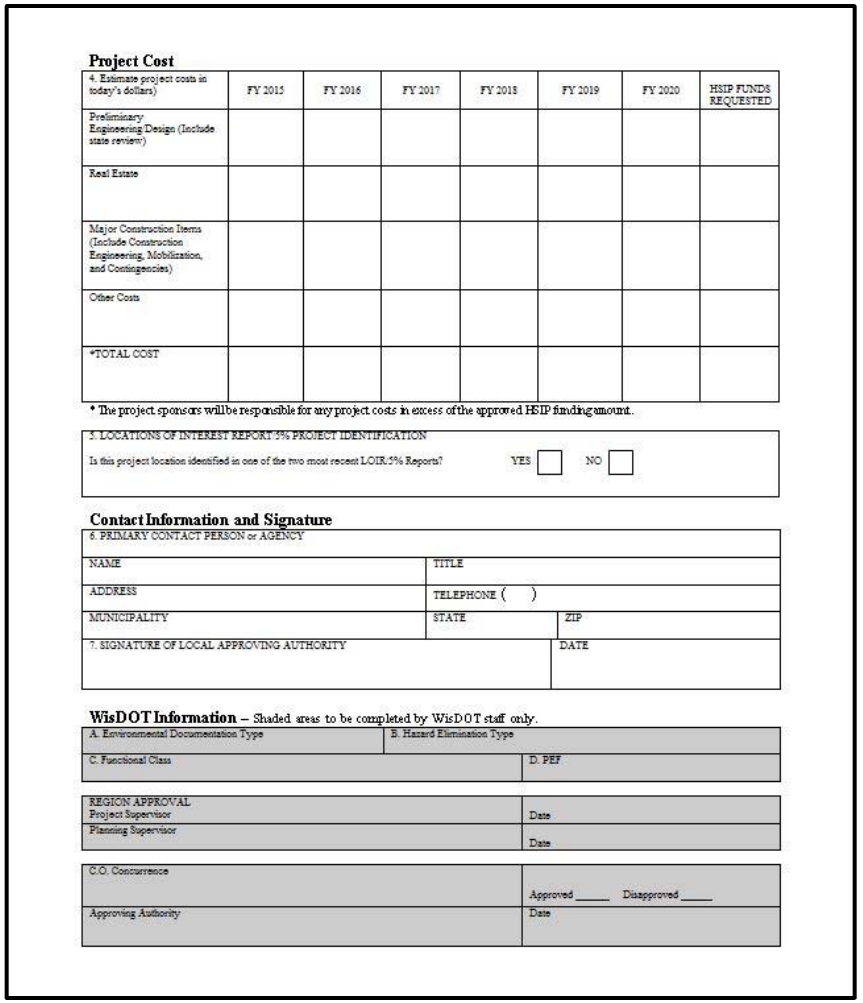
2B. INTERSECTION Roadway Width	Crash Rate	Entering Vehicle Volume

Identification of Hazard

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

Proposed Improvement

3. In some detail, describe the proposed project and how it will address the identified hazard. In addition, briefly discuss any alternatives considered and why these options are not the preferred alternative.



Project Cost

4. Estimate project costs in today's dollars)	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	HSIP FUNDS REQUESTED
Preliminary Engineering Design (Include state review)							
Real Estate							
Major Construction Items (Include Construction Engineering, Mobilization, and Contingencies)							
Other Costs							
*TOTAL COST							

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

5. LOCATIONS OF INTEREST REPORT 5% PROJECT IDENTIFICATION

Is this project location identified in one of the two most recent LOIR 5% Reports? YES ☐ NO ☐

Contact Information and Signature

6. PRIMARY CONTACT PERSON or AGENCY		
NAME	TITLE	
ADDRESS	TELEPHONE ( )	
MUNICIPALITY	STATE	ZIP
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. Functional Class	D. PEF

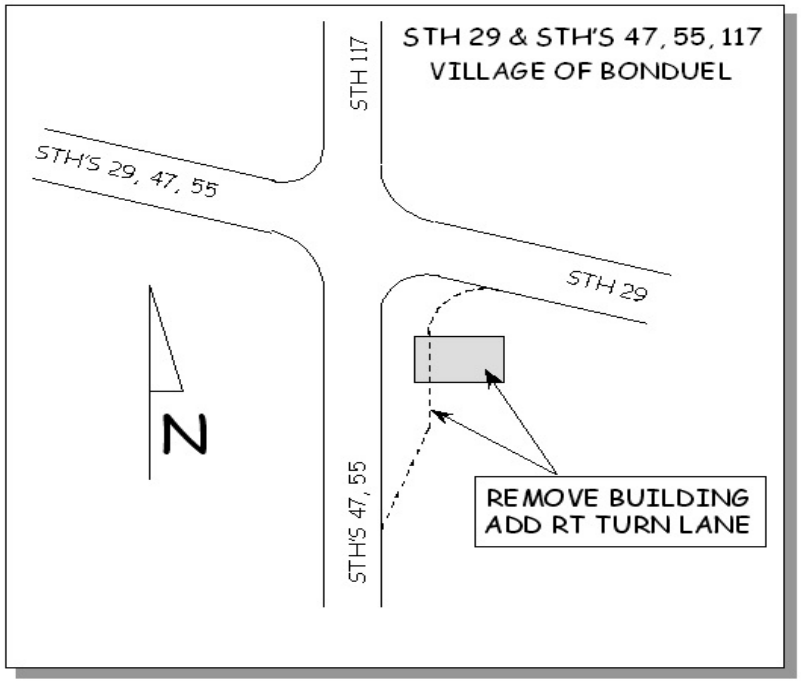
REGION APPROVAL Project Supervisor	Date
Planning Supervisor	Date

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

Form is available at the **Programs for Local Gov't**. website, in the HSIP Guidelines and from Regional HSIP Coordinators

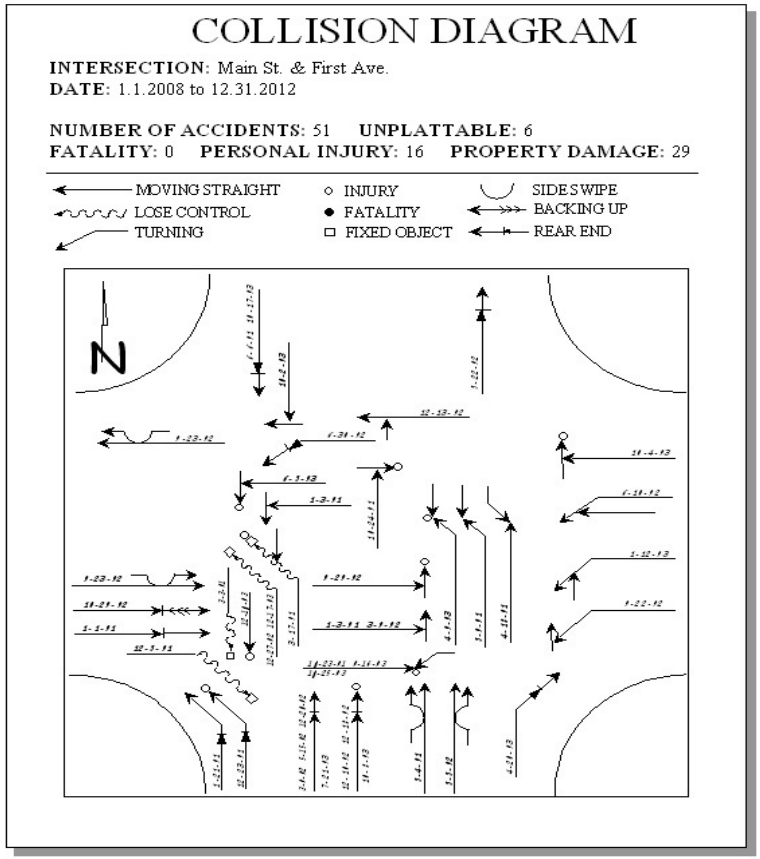
Other Application Materials

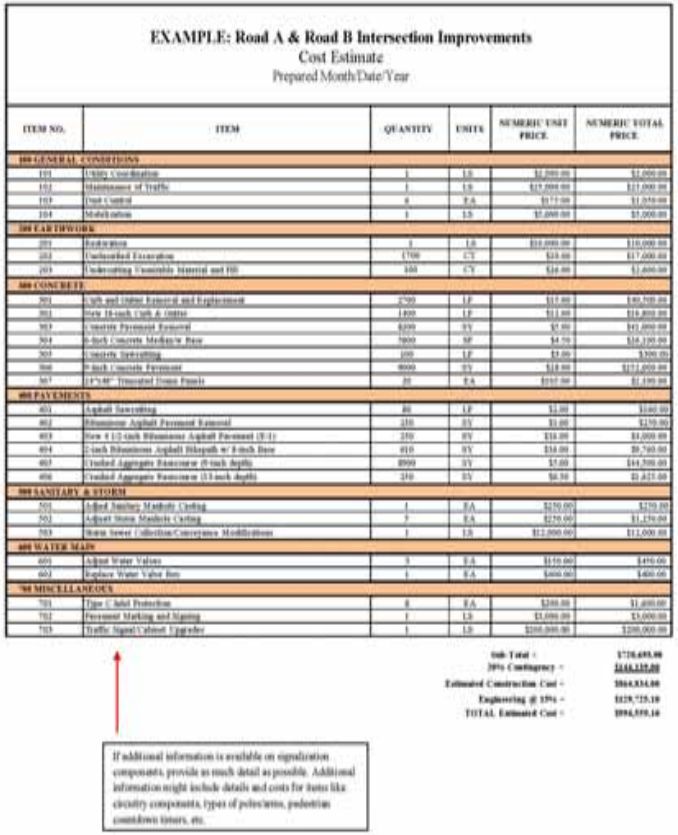
Site Photos



Sketch of
Project Proposal

Other Application Materials



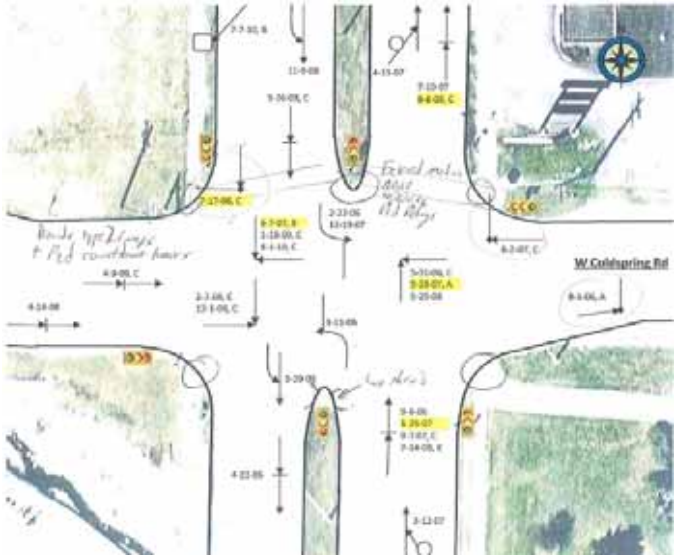


Collision diagram(s)

Itemized Cost Estimate

Project Analysis

- Crash history required.
- Identify crashes that would have been avoided if project constructed.
- Project Evaluation Factor (PEF) estimates crash reduction potential of proposed improvements and compares them to project costs.
- PEF is used to compare and rank proposed projects.
- WisDOT staff calculates PEF on behalf of local government.



Tips for Successful HSIP Application

- Follow general instructions on HSIP application
- Projects rooted in documented crash problems
- Be as specific as possible in “Proposed Improvements” box
- Be realistic with the outlined SFY timeframe
  - Generally, design, R/E, and construction not scheduled in same FY

For More Information

- WisDOT Programs for Local Government
  - http://www.dot.wisconsin.gov/localgov/highways/hsip.htm
  - HSIP application materials available for download at this site

- WisDOT HSIP Staff
  - WisDOT Regional HSIP Coordinators
    - General program information
    - Questions about specific potential projects and applications
  - Statewide HSIP Coordinator (Darren Schoer)
    - General program information

- WisDOT's Tribal Affairs: Safety page
  - http://www.dot.wi.gov/localgov/aid/tribalaffairs/i-tsafety.htm

Regional HSIP Coordinators

NC Region

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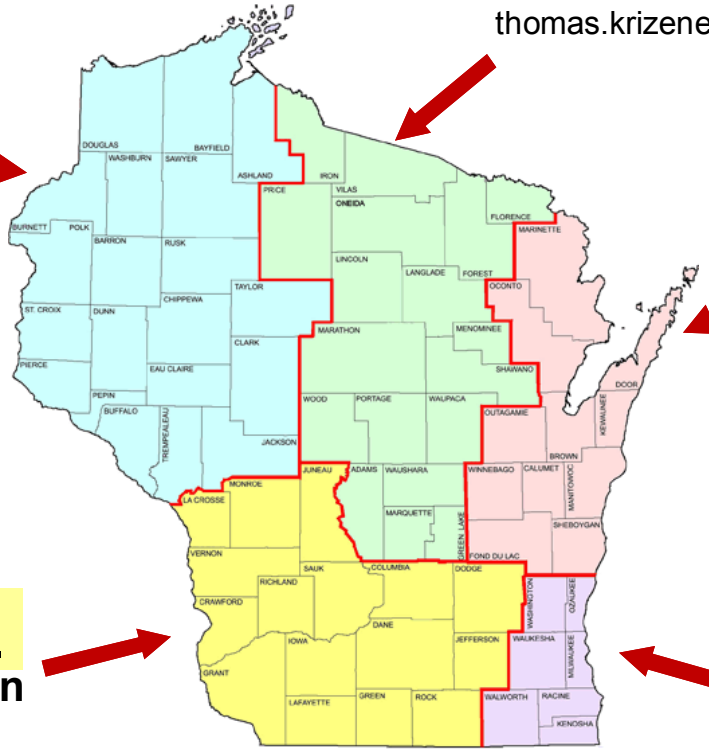

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