

## STH 128 (2006)

**Client:**

Wisconsin Department of  
Transportation ~ Northwest Region

**Project Number:**

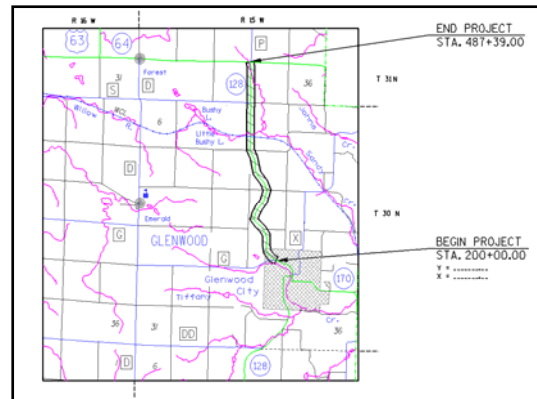
#8650-00-01

**Location:**

CTH G – STH 64, St. Croix County

**Client Contact:**

James Koenig P.E.  
WisDOT Northwest Region  
718 W. Clairemont Ave.  
Eau Claire, WI 54701  
715-838-8391  
[James.Koenig@dot.wi.gov](mailto:James.Koenig@dot.wi.gov)



**Staff Assignments:**

Matt Gundry, P.E. – Project Engineer

**Project Scope:**

A 2005 Segment Crash Comparison of Wisconsin rural state trunk highways highlighted several problems with the stretch of STH 128 from Glenwood City to STH 64. The excessive accident rate, more than double the statewide average, prompted the Wisconsin Department of Transportation, Northwest Region to hire Fleming, Andre and Assoc., Inc. to examine several alternative designs and provide recommendations as to the preferred alternative.

The first phase of the project involved the preparation of preliminary plans for two design alternatives – minimum and desirable – based on current Wisconsin DOT design standards. Horizontal and vertical curves were modified to improve sight distance. The typical section was widened and slopes were reduced to reduce run-off-road hazards. Town road intersections were upgraded and dedicated right turn lanes were added to the county road intersections.

The second phase of the project provided a benefit-cost analysis of the two preliminary designs provided earlier. Each design was evaluated by comparing the construction costs, accident reduction, and other benefits to a “base case” resurfacing project. Accident reduction was determined by modeling each alternative using the Interactive Highway Safety Design Model (IHSDM), a software package by the Federal Highway Administration. The benefit-cost analysis provided a current-year value of each alternative by taking into consideration inflation rate, interest rates, and the growth rate of traffic along this highway segment.