



Hannegan Road Scott Ditch Bridge No. 245 Replacement

Project Summary

November 2009

Hannegan Road is a rural major collector road connecting Bellingham and Lynden, carrying 8,000-10,000 vehicles per day. Bridge No. 245 over Scott Ditch is located approximately 1 mile south of Lynden.

Prior to this project, the existing bridge was comprised of a two-span timber substructure with concrete bridge girders. The bridge was constructed in 1991, and this design was not suitable for the heavy volume of truck traffic that has developed over the years. In January 2005, findings from a routine bridge inspection showed widespread cracking in the bridge girders, and an emergency replacement of the bridge girders was completed. Subsequent inspections in 2007 showed that the new girders were already showing signs of distress.

Whatcom County Public Works proceeded with design and permitting of a replacement bridge during 2008. The replacement bridge was designed with cast-in-place concrete piles driven to 90 feet below ground and 70-foot prestressed concrete girders. In spring of 2009, Whatcom County was awarded \$600,000 of federal "stimulus" money toward the project. This was combined with \$400,000 of local money for a total project cost of approximately \$1,000,000.

The project was advertised for bids in June 2009 and awarded to the low bidder, Max J. Kuney Construction. Due to the high volume of traffic on Hannegan Road and the need for an offsite detour, Whatcom County allowed the contractor only 50 working days to complete the project. Construction started immediately after the Northwest Washington Fair (August 24, 2009) and was completed ahead of schedule in just 46 working days.

For additional information, please contact Chris Brueske, P.E., Engineering Manager, Whatcom County Public Works at (360) 715-7450 or cbrueske@co.whatcom.wa.us



Looking north under the old bridge



Removal of the old timber piles



The piles for the new bridge are driven to 90 feet below ground and filled with reinforcing steel and concrete



New bridge girder being set by a crane



Casting the new reinforced concrete bridge deck on top of the girders



Looking north across the completed bridge