

Title: Hwy 37:04, Sturgeon River Bridge (BF 676), Km. 5.74

Memorandum (or Approval) Date: June 12, 2013

Design Exception Request Date: May 22, 2013

Region: North Central

Approval Status: Approved

Project Location					
Highway	Control Section	At km	From km	To km	Existing AADT
37	4		0.578	8.07	7638

Project Type (Mark all that apply with an X)			
Functional Planning:	New Construction:	Reconstruction:	Paving/Surfacing:
Bridge:	Operations:	Geotechnical:	Environmental:
Shoulder Widening: X	Preliminary Design X		

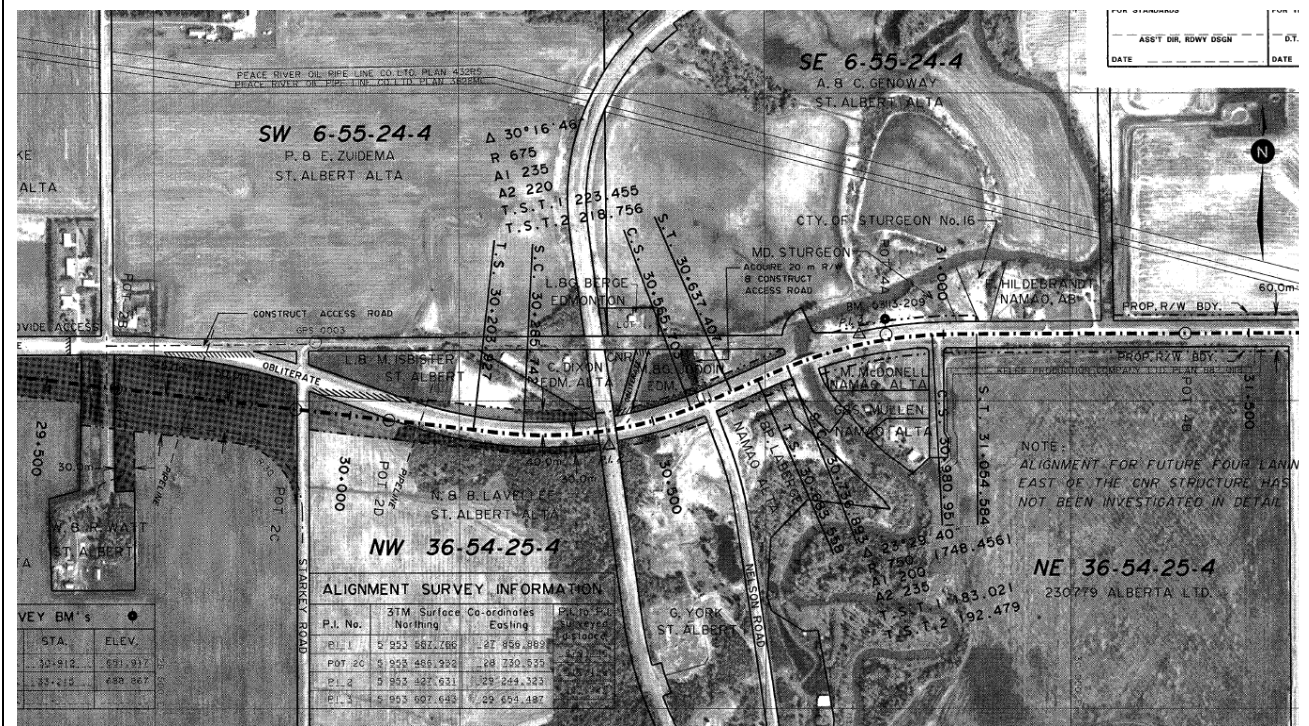
Summary
The shoulders on Highway 37 are to be widened. However, the Sturgeon River Bridge will maintain its existing width at 11.1m rather than widening it to 13m to match the future roadway width.

Rationale for Approval/Rejection
<ul style="list-style-type: none"> Based on the Benefit-Cost Analysis of Grade Widening with and without widening the bridge; it is cost effective to leave the bridge as 11.1m wide. The collision history for the past 11 years, from 2000 to 2010, is considered good. There were only 3 reported collisions; 1 injury and 2 PDO. Based on draft preliminary realignment plans in the Hwy 37 Planning Study 1995, the location of the future twinned bridge could be located further south of the existing bridge. Thus, it is recommended to maintain the existing bridge as it will most likely be replaced in the next 10-20 years.

Additional Mitigation Required
Install Narrow Structure Sign (WA-24) and Bridge Ices Sign (WC-23) on approaches to the bridge

Key Words
Shoulder widening, bridge, grade widening, cross-section

Photograph/Diagram



Preliminary Plans for Future Alignment for Four Laning, Hwy 37 Planning Study 1995

2012.09.23 037:04:C1 DL:R1 km 5.680 JCT HWY 2 JCT HWY 15 53.715584 -113.554383 654.5



Sturgeon River Bridge (EB)