

**Title: Hwy 43:08, Barrier Curb in the Town of Valleyview, - Hwy 49 to South of Hwy 665**

Memorandum (or Approval) Date: August 24, 2012

Design Exception Request Date: August 13, 2012

Region: Peace

Approval Status: Approved

Project Location					
Highway	Control Section	At km	From km	To km	Existing AADT
43	08		0	22.4	5710-6080

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

Summary
<p>The following design exception request are for the following:            Keeping the existing barrier curbs (1.98 Km long) in the median of Hwy 43 in the town of Valleyview, instead of using semi-mountable curb. Based on the ATHGDG, Chapter C.7 – Curb and Gutter, barrier curbs are considered undesirable for design speeds greater than 70 km/h.</p>

Rationale for Approval/Rejection
<ul style="list-style-type: none"> <li>In the past 5 years, only one Property Damaged Only collision was related to the barrier curb. The posted speed is 80 km/h.</li> <li>The design vehicle WB-36 can make proper turning movements at the intersection of Hwy 43 and Hwy 49, as shown below.</li> <li>Cost benefit analysis concluded it was not cost effective to replace the existing curb with semi-mountable curb.</li> </ul>

Additional Mitigation Required
<ul style="list-style-type: none"> <li>It is recommended that the lighting will be extended along Hwy43 to illuminate curb area and retro-reflective paint (with glass beads) will be painted on the curb. The color should match the adjacent paint line (yellow on left side and white on right side).</li> <li>It is also recommended that a narrow rumble strip should be installed to warn motorists before striking the curb.</li> </ul>

Key Words
Curb, barrier curb, semi-mountable curb

Photograph/Diagram

2011.07.27 043:08:R1 DL:R1 km 0.544 W OF VALLEYVIEW LITTLE SMOKY RIVER 55.056804 -117.280911 725.0



Town of Valleyview - Median with Barrier Curb

