

Title: Glenmore Trail & Deerfoot Trail Interchange, Applying the City of Calgary's Cross-Section Standards

Memorandum Date: June 16, 2011
 Design Exception Request Date: May 17, 2011
 Region: Southern
 Approval Status: Approved

Project Location					
Highway	Control Section	At km	From km	To km	Existing AADT
2	15		24.104	26.678	121,440

Project Type (Mark all that apply with an X)			
Functional Planning:	New Construction: <input checked="" type="checkbox"/>	Reconstruction:	Paving/Surfacing:
Bridge:	Operations:	Geotechnical:	Environmental:
Other:			

Summary
Existing cross-section elements along Glenmore Trail below Deerfoot Trail are inconsistent with Alberta Transportation standards. The use of existing curb and gutter, shy line offsets, shoulder widths, existing barrier types and existing pier protection schemes do not meet Alberta Transportation requirements and best practices for a design speed of 90 km/hr.
Rationale for Approval/Rejection
<ul style="list-style-type: none"> The existing cross-section along Glenmore Trail follows the City of Calgary's standards. Applying Alberta Transportation's standards would require lengthening of the bridge, widening/replacement of an existing bridge over 11 Street and the purchase of adjacent properties.

Additional Mitigation Required
The consultant proposes to replace the existing Thrie Beam median barrier by a single scope concrete barrier and the existing curbed median will be replaced by asphalt roadway as an inside shoulder to be consistent with the rest of the Glenmore Trail cross section.

Key Words
Cross-section, City of Calgary standards

Photograph/Diagram (If Available)