

**Title: Accommodations for Reactor Transporter at Roundabout**

Memorandum Date: November 14, 2011  
 Design Exception Request Date: October 25, 2011  
 Region: Central  
 Approval Status: Approved

Project Location					
Highway	Control Section	At km	From km	To km	Existing AADT
2	20-22		34.3(2:20)	1.2(2:22)	26,010
27	06-08		43.4(27:06)	1.1(27:08)	6,970

Project Type (Mark all that apply with an X)			
Functional Planning:	New Construction:	Reconstruction:	Paving/Surfacing:
Bridge:	Operations:	Geotechnical:	Environmental:
Other: <input checked="" type="checkbox"/> Interchange reconfiguration from cloverleaf to diamond including 2 roundabouts			

Summary
Design Bulletin 68 (2010) stipulates that oversized vehicles (heavy hauler, platform trailer and the reactor transporter) shall be accommodated for all movements through the roundabout. The request is for exclusion of accommodating the reactor transporter at the proposed roundabouts at Highway 2/27 interchange ramp terminals for movements on and off (northbound and southbound) of Highway 2. The reactor transporter will still be accommodated east and westbound along Highway 27.
Rationale for Approval/Rejection
<ul style="list-style-type: none"> <li>A reactor transporter travelling at low speeds and wide loads on Highway 2 between Edmonton and Calgary would be a potential safety and operational concern due to high daily traffic volumes and high operating speeds along this corridor.</li> <li>Existing infrastructure on Highway 2, which includes interchanges, sign bridge structures, etc. between Calgary and Edmonton would be considered a constraint for reactor transporter vehicles.</li> </ul>

Additional Mitigation Required
No mitigation is required.

Key Words
Transporter reactor vehicle, roundabout, interchange ramp terminal, oversized vehicle

Photograph/Diagram (If Available)

