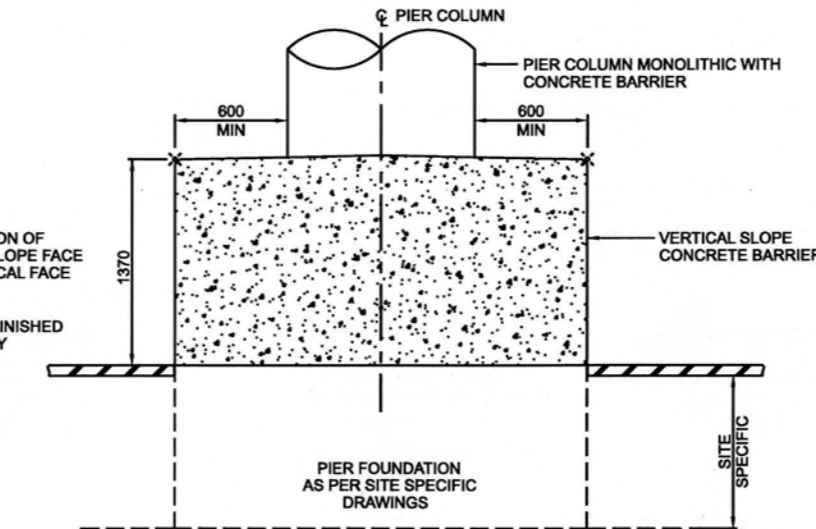
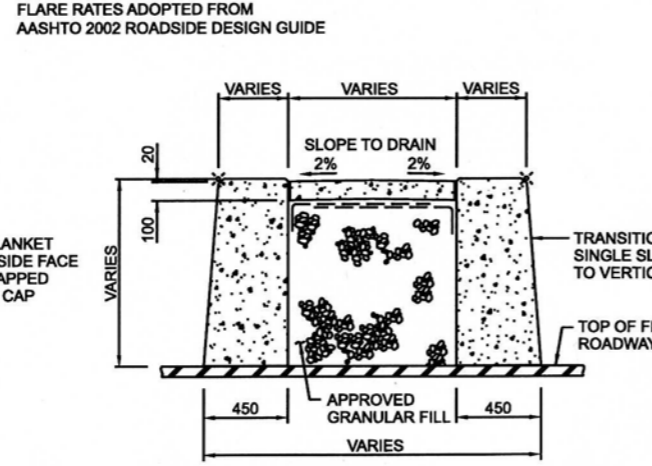
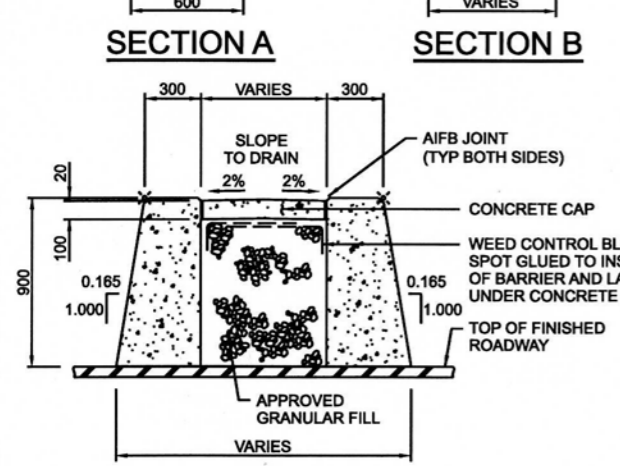


DESIGN SPEED (km/h)	f
130	50:1
120	40:1
110	30:1
100	26:1
90	24:1
80	21:1
70	18:1
60	16:1
50	13:1

NUMBER OF LANES IN EACH DIRECTION	ROADWAY CROSS SECTION REFERENCE	NORMAL INSIDE SHOULDER WIDTH	MINIMUM INSIDE SHOULDER WIDTH
2	UFD-411.9-100/80	2500	1900 *
3	UFD/UAD-616.6-110/100/80	2500	2500 **
4	UFD/UAD-820.8-120/110/100	3000	2500 ***

- NOTES:**
- ALL BARRIERS SHALL BE CAST IN PLACE BY STATIONARY FORMING OR SLIPFORMING.
 - PROVIDE 20 CHAMFER AT TOP EDGES OF BARRIER AND AROUND ALL EXPOSED EDGES OF EXPANSION AND CONSTRUCTION JOINTS.
 - CONCRETE SHALL BE MODIFIED CLASS C (MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 35 MPa), UNLESS OTHERWISE SPECIFIED.
 - BARRIERS ARE NON-REINFORCED EXCEPT AT FOOTING LOCATIONS.
 - BARRIER FOOTINGS SHALL BE PLACED ON EITHER SIDE OF ALL EXPANSION AND CONSTRUCTION JOINTS, AS WELL AS AT BARRIER ENDS. REFER TO RDG-B6.6 AND RDG-B6.7 FOR DETAILS ON GEOMETRY AND REINFORCING AT THESE LOCATIONS.
 - PLACE BARRIER AND FOOTING MONOLITHICALLY. COLD JOINTS BETWEEN FOOTING AND BARRIER ARE NOT PERMITTED.
 - EXPANSION JOINTS SHALL CONSIST OF A SINGLE LAYER OF 25 ASPHALT IMPREGNATED FIBREBOARD (AIFB) APPLIED TO FULL CROSS SECTION OF BARRIER AND SHALL EXTEND TO BASE OF FOOTING.
 - ENDS OF PIER COLUMNS SHALL BE SEMI-CIRCULAR IN SHAPE. ACTUAL SHAPE OF PIER COLUMNS MAY VARY AS PER SITE SPECIFIC DRAWINGS.
 - PROVIDE ADDITIONAL CONTROL JOINTS AS DETERMINED BY THE CONSULTANT TO ACCOMMODATE PIER COLUMN GEOMETRY.
 - EXTEND PIER COLUMN CONCRETE REINFORCING THROUGH BARRIER AND INTO CONCRETE PIER FOUNDATION AS PER SITE SPECIFIC DRAWINGS.
 - ADJUST HEIGHT OF CONCRETE BARRIER ON LOW SIDE OF OFFSET OR SUPERELEVATED ROADWAYS TO PROVIDE LEVEL GRADE ACROSS TOP OF BARRIER.
 - THIS TRANSITION DRAWING PROVIDES ALLOWANCE FOR A 100 FUTURE OVERLAY.
 - REDUCED INSIDE SHOULDER WIDTHS AT PIER COLUMNS ARE PERMITTED BUT SHOULD BE AVOIDED WHERE POSSIBLE. SEE TABLE B FOR MAXIMUM SHOULDER WIDTH REDUCTIONS.



No.	REVISIONS	BY	DATE
<p>Approved: <i>Alan Curran</i> Executive Director, Technical Standards Branch</p> <p>Date: NOVEMBER, 2007</p>			
<p>Alberta INFRASTRUCTURE AND TRANSPORTATION</p>			
<p>TL-4 SINGLE SLOPE CONCRETE MEDIAN BARRIER TRANSITION AROUND NEW BRIDGE PIER - SHEET 1 OF 3</p>			
Prepared By: MO	Checked By: WS	Scale: N.T.S.	Dwg No.: RDG-B6.5

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.