

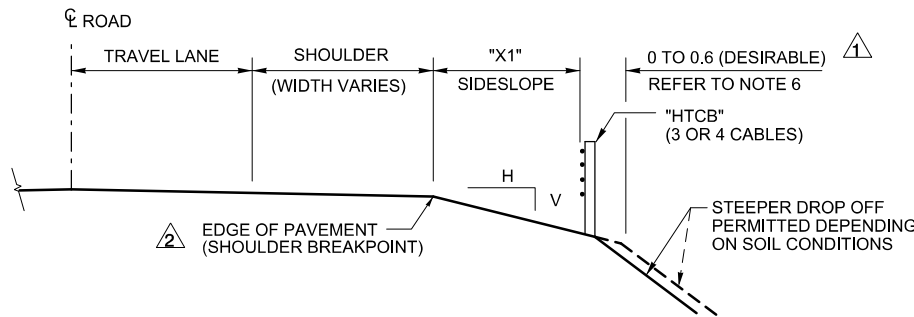







NOTES  

1. HIGH TENSION CABLE BARRIERS (HTCB) ARE PROPRIETARY PRODUCTS AND THEREFORE MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S AND/OR VENDOR'S SPECIFICATIONS. CABLE BARRIER PRODUCTS VARY SUBSTANTIALLY IN DETAILS, SPECIFICATION AND METHOD OF INSTALLATION, ETC. DESIGNERS SHOULD REVIEW THE FHWA (UNITED STATES FEDERAL HIGHWAY ADMINISTRATION) ELIGIBILITY LETTERS IN CONJUNCTION WITH THE MANUFACTURER AND/OR VENDOR'S PRODUCT DETAILS AND SPECIFICATIONS.
2. DESIGNERS SHALL REVIEW THE FHWA ELIGIBILITY LETTERS AND THE TEST DOCUMENTATION UPON WHICH THE LETTERS ARE BASED IN DETAIL. THIS INCLUDES THE SUMMARY RESULTS (E.G. TEST DEFLECTION), TEST SITE CONDITIONS (E.G. POST SPACING, SOIL DATA, ETC.), PRODUCT DETAILS PROVISIONS, ETC., UNDER WHICH THE PRODUCT WAS TESTED AND ACCEPTED.
3. FHWA ELIGIBILITY LETTERS ARE NORMALLY BASED ON THE HTCB SYSTEM BEING TESTED ON TANGENT IN A CONTROLLED ENVIRONMENT. THE SLOPE PLACEMENT, POST SPACING AND SPECIFIED MAXIMUM DEFLECTION, ETC., MAY NEED TO BE ADJUSTED DUE TO SITE-SPECIFIC CONDITIONS.
4. HTCB SYSTEMS CAN TYPICALLY BE PLACED DOWN THE SIDESLOPES IF THE SLOPES ARE 4H:1V OR FLATTER. THIS SLOPE REFERS TO THE SLOPE ON THE ROADSIDE BETWEEN THE SHOULDER BREAK POINT AND THE BARRIER SYSTEM (DIMENSION "X1"). THE AREA IMMEDIATELY BEHIND THE BARRIER SYSTEM MAY BE CONSTRUCTED AT STEEPER SLOPES DEPENDING ON THE STABILITY OF THE SOIL.
5. HTCB SYSTEMS MAY NOT BE PLACED DOWN THE SLOPE ON SIDESLOPES STEEPER THAN 4H:1V UNLESS THE SYSTEM HAS BEEN SUCCESSFULLY CRASH TESTED UNDER THESE CONDITIONS (WITH AN FHWA ELIGIBILITY LETTER). HTCB MAY BE PLACED AT THE EDGE OF PAVEMENT (EDGE OF SHOULDER ON UNPAVED ROADS) AS SHOWN IN THE TABLE.
6. A CONTINUATION OF THE FLATTER SLOPE BEHIND THE BARRIER, FOR A DISTANCE OF 0.0 METRES TO 0.6 METRES (DESIRABLE SHOULD BE CONSIDERED. THE DISTANCE BEHIND THE BARRIER SYSTEM MAY VARY DEPENDING ON THE EMBANKMENT SLOPE, POST FOUNDATION/DEPTH, SOIL/GEOTECHNICAL CONDITION, POST SPACING, EXPECTED IMPACT CONDITION, ETC.
7. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.



			
			
	NOTES 1 - 6, CROSS SECTION AND TABLE	HC	28 OCT 16
	NOTE 6 AND CROSS SECTION	PM	4 APR 12
No.	REVISIONS	BY	DATE

ROADSIDE SIDESLOPE*	MAXIMUM DIMENSION (X1) FROM THE OUTSIDE EDGE OF SHOULDER (m) *
6H:1V OR FLATTER	INFINITY
6H:1V > SIDESLOPES ≥ 4H: 1V	0.0 TO 1.2 OR GREATER THAN 6.0 
STEEPER THAN 4H:1V	0.0

\*SUBJECT TO GEOTECHNICAL/SOIL CONDITIONS

Approved:  
 Steve Otto  
 For Executive Director,  
 Technical Standards Branch

Date: 17 February, 2012

**Government of Alberta**  
 Transportation

**TYPICAL HIGH TENSION CABLE BARRIER ROADSIDE INSTALLATION**

Prepared By: GEC.	Checked By: PM	Scale: N.T.S.	Dwg No.: RDG-B2.4
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