



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. ACCORDING TO NCHRP REPORT 711, THE HTCB MAY BE PLACED AS FOLLOWS:
 - ON THE MEDIAN SIDESLOPE, BUT NOT IN THE AREA BETWEEN 0.3 AND 2.4 METRES FROM THE TOE OF THE SLOPE
 - IN THE MEDIAN DITCH WITHIN 0.3 OF THE TOE OF SLOPE, IF THE MEDIAN DITCH IS 2.4 METRES OR WIDER
 - IF THE MEDIAN DITCH IS LESS THAN 2.4 METRES WIDE, THE HTCB MAY NOT BE PLACED IN ANY PORTION OF THE DITCH BOTTOM
5. HTCB LONGITUDINAL RUNS ARE NORMALLY INSTALLED TO PROTECT BOTH DIRECTIONS OF TRAFFIC. HTCB PLACEMENT AND/OR DESIGN MUST PREVENT INTRUSION OF OPPOSING VEHICLES INTO THE TRAVEL LANE CAUSED BY THE IMPACT TO THE CABLE SYSTEM ON THE BACK-SIDE AFTER CROSSING THE MEDIAN.
6. NO ZONE AREA IN THE MEDIAN WHERE HTCB TYPICALLY MAY NOT BE INSTALLED.
7. POSTS CAN BE PLACED IN SOCKETS IN CONCRETE FOUNDATIONS OR SOCKETS DRIVEN INTO THE GROUND DEPENDING ON THE SOIL CONDITION, MANUFACTURER'S SPECIFICATION AND FHWA APPROVALS. POSTS DRIVEN DIRECTLY INTO THE GROUND ARE NOT PERMITTED.
8. THE DITCH MAY BE SUBJECT TO WEAK SOILS (OFTEN UNCOMPACTED), PERIODIC FLOODING AND/OR WET SOIL CONDITIONS. THE SOIL STRENGTH MUST BE TAKEN INTO ACCOUNT WHEN DESIGNING THE POST FOUNDATIONS AND END ANCHOR FOUNDATIONS.
9. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.

	NOTES 1 - 6 AND CROSS SECTIONS	HC	28 OCT 16
No.	REVISIONS	BY	DATE

Approved: Steve Otto ----- For Executive Director, Technical Standards Branch	Government of Alberta ■ Transportation
Date: 17 February, 2012	

TYPICAL HIGH TENSION CABLE BARRIER MEDIAN INSTALLATION

SLOPES 6(H):1(V) OR FLATTER

Prepared By: GEC.	Checked By: PM	Scale: N.T.S.	Dwg No.: RDG-B2.1
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