



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 TYPICALLY SHOULD BE PLACED UNDER THE FOLLOWING CONDITIONS:
 - AT THE SHOULDER BREAKPOINT (0.0 m LATERAL OFFSET FROM THE EDGE OF PAVEMENT).
 - THE OPTION OF TWO SEPARATE LONGITUDINAL RUNS OF HTCB SHOULD ALSO BE CONSIDERED WHERE THE MEDIAN WIDTH IS NARROW, DESIRABLE DEFLECTION SPACE IS GREATER THAN THE SHOULDER WIDTH, AND/OR GENERAL RE-GRADING IS NOT AN OPTION, ETC.
5. NO ZONE AREA IN THE MEDIAN WHERE HTCB TYPICALLY MAY NOT BE INSTALLED.
6. 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.
7. 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.
8. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.

	NOTES 1 - 5 AND CROSS SECTION	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 STEEPER THAN 4(H):1(V)

Prepared By: GEC.	Checked By: PM	Scale: N.T.S.	Dwg No.: RDG-B2.3
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