



APPROACH END DETAIL
(NOT APPROVED FOR USE WHERE V > 40 MPH)

SECTION A-A

STEEL BEAM MEDIAN BARRIER

ELEVATION OF GUARD RAIL SPLICE AT POST

CROSS SECTION THROUGH GUARD RAIL SPLICE

PLAN

SIDE ELEVATION OF POST FOR SHOULDER OR MEDIAN INSTALLATION

ASSEMBLY ELEVATION

ANCHOR FOR STEEL BEAM RAIL

STANDARD SHEET G-1 TO BE USED IN CONJUNCTION WITH THIS SHEET WHEN ANCHOR FOR STEEL BEAM RAIL IS REQUIRED.

| BEAM | MIN. GAGE | TENSILE STRENGTH (LBS.) | RAIL OR JOINT | | | |
|------------|-----------|-------------------------|-----------------|-----------------------------|-------------------|-----------------------------|
| | | | TRAFFIC FACE UP | | TRAFFIC FACE DOWN | |
| | | | LOAD (LBS) | MAXIMUM DEFLECTION (INCHES) | LOAD (LBS) | MAXIMUM DEFLECTION (INCHES) |
| STANDARD | 12 | 80,000 | 1,500 2,000 | 2" 3" | 1,200 1,600 | 2" 3" |
| HEAVY DUTY | 10 | 100,000 | 2,000 3,000 | 2" 3" | 1,800 2,400 | 2" 3" |

STRENGTH - THE RAIL ELEMENT SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE ABOVE TABLE. THE POST CONNECTION SHALL WITHSTAND A 5,000 POUND SIDE PULL IN EITHER DIRECTION. ALL METAL PARTS SHALL BE GALVANIZED. ALL WOOD POSTS SHALL BE GIVEN A PRESERVATIVE TREATMENT.

STANDARD STEEL BEAM TO BE 12 GAGE AND THE HEAVY DUTY TO BE 10 GAGE.

REVISIONS & CORRECTIONS
 SEPT. 10, 1976 - MINIMUM LENGTH & ADVANCE OF NEED NOTES REMOVED.
 MAR. 2, 1977 - ROUND WOOD POSTS REMOVED.
 SEPT. 12, 1977 - REFERENCE TO ROUND WOOD POSTS REMOVED.
 MAY 29, 1979 - NOTE ON REFLECTIVE MATERIAL CHANGED
 APRIL 28, 1980 - APPROACH END DETAILS REDRAWN
 DEC. 16, 1980 - INCREASED SHOULDER WIDENING FOR GUARD RAIL.
 JUNE 5, 1984 - POST SIZE AND BACK UP PLATE NOTE CHANGED.
 DEC. 21, 1984 - REMOVED POST WASHER
 OCT. 31, 1985 - REVISED TO CONFORM WITH 1986 SPECIFICATIONS

APPROVED: *E. H. Stickney*
 DATE: May 6, 1976
 CHIEF ENGINEER
R. O. Munn
 ASST. CHIEF ENGINEER
Loren E. Jones
 HIGHWAY ENGINEER

STEEL BEAM GUARD RAIL
 HEAVY DUTY STEEL BEAM GUARD RAIL
 STEEL BEAM MEDIAN BARRIER
 ANCHOR FOR STEEL BEAM RAIL



STANDARD
G-1d