



NOTE: THE DIFFERENCE BETWEEN THE OUTSIDE DIMENSIONS OF SPLICE BARS AND INSIDE DIMENSIONS OF THE RAIL SHALL BE APPROXIMATELY 1/8" (NOT TO EXCEED 3/16") ALONG EITHER AXIS TO PERMIT CLEARANCE FOR INSIDE WELD FLASH

NOTE: OTHER SECTIONS OF EQUAL OR GREATER STRENGTH ARE ACCEPTABLE FOR SPLICE BARS

- GENERAL NOTES**
- BRIDGE RAIL T101 (F), SHALL INCLUDE POSTS, BASE PLATES, ANCHOR PLATES, ANCHOR STUDS, PREFORMED PADS, RAIL ASSEMBLY BOLTS, NUTS, WASHERS, STRUCTURAL TUBING, SPLICE BARS AND ANCHOR PLATES AND W-BEAM SECTIONS.
 - ASTM A572 GRADE 50 : POSTS AND BASE PLATES
 - ASTM A500 GRADE B : STRUCTURAL TUBING
 - ASTM A36 : PIPE SLEEVES, RAIL SPLICE BARS AND ANCHOR PLATES
 - ASTM A449 : ANCHOR STUDS WITH STANDARD NUTS AND HARDENED STEEL COMMERCIAL TYPE A PLAIN WIDE WASHERS
 - A307 : RAIL BOLTS, NUTS, AND WASHERS
 - AASHTO M180 TYPE II : W-BEAM SECTIONS
 - ALL STEEL COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION IN CONFORMANCE WITH AASHTO M232 (ASTM A153) AND AASHTO M111 (ASTM A123). GALVANIZED SURFACES SHALL HAVE A UNIFORM APPEARANCE AND GALVANIZED MATERIAL SHALL BE PROPERLY STORED.
 - HOLES IN BASE PLATES SHALL BE FILLED FLUSH WITH ELASTOMERIC SEALANT AFTER RAIL INSTALLATION (SUBSIDIARY).
 - STRUCTURAL TUBING SHALL BE SUPPLIED AS ONE PIECE FOR BRIDGE RAIL 40 FEET OR LESS IN LENGTH. IN OTHER CASES, TUBING SHALL BE SPLICED WITH A SPLICE BAR (SEE SPLICE BAR DETAILS). NO TRANSVERSE BUTT WELDS ARE PERMITTED ON RAIL TUBING WITHIN A CONTINUOUS LENGTH.
 - EACH PIECE OF RAIL TUBING SHALL BE ATTACHED TO A MINIMUM OF THREE POSTS.
 - FOR BRIDGE RAIL POST SPACING, SEE BRIDGE RAIL LAYOUT. THE MAXIMUM BRIDGE RAIL POST SPACING SHALL BE 8'-4". A POST SPACING OF 8'-4" OR 6'-3" IS RECOMMENDED WHENEVER POSSIBLE FOR USE WITH 25' SECTIONS OF THE STANDARD W-BEAM RAIL.
 - PREFORMED BEARING PADS SHALL CONFORM TO AASHTO M251.
 - NUTS FOR THREADED ANCHOR STUDS CONNECTING THE BASE PLATE TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL 1/8" TURN.
 - THIS RAIL SYSTEM HAS BEEN SUCCESSFULLY EVALUATED BY FULL-SCALE CRASH TESTS TO MEET NCHRP REPORT 230 SL-2 CRITERIA (TEXAS TRAFFIC RAIL TYPE T101, REVISED 9/89).
 - UNLESS DIRECTED OTHERWISE, USE BEAM GUARDRAIL TERMINAL UNIT TYPE EAGRT 25 FEET, ITEM 606.1455.

(GALVANIZED - 7" CURB REVEAL)

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

TOWN	TOWN ROAD BRIDGES	BRIDGE NO.	---	STATE PROJECT	---
LOCATION LOW SPEED, LOW TRAFFIC VOLUME					
RURAL TOWN - T101 BRIDGE AND APPROACH RAIL					
REVISIONS AFTER PROPOSAL	BY	DATE	BY	DATE	BRIDGE SHEET
	DESIGNED	NHDOT	CHECKED	NHDOT	8/06
	DRAWN	GMC/PJP	CHECKED	JSZ	9/06
	QUANTITIES	---	CHECKED	---	---
	ISSUE DATE	9/91	FEDERAL PROJECT NO.		SHEET NO.
	REV. DATE	5/30/09			TOTAL SHEETS

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
English/BGR	TOWN-BGR	AS NOTED