TRINITY HIGHWAY

MATERIAL SPECIFICATION

Doc #: ENG-FE-018 Page 1 of 1
Rev: 4 By: ENG-TM
Doc Type: Form App'd: 10-041-232

Part Number: **003500**

Description: **BOLT, RAIL, 5/8-11 x 10**

Specification:

Guard Rail Bolt per AASHTO M180, 5/8-11 UNC x 10", Alternate No. 1

Threaded Length to be 4" +/- 1/8"

Bolt dimensions to be per AASHTO M180
Thread dimensions to be per ASME B1.1

003500C:
Steel per specification ASTM A325 Type 3

003500G:
Steel per specification ASTM A307 Grade A
Zinc coated by hot-dip galvanizing per AASHTO M232 Class C

☒ Apply: ☐ Does Not Apply:
ALL STEEL AND/OR IRON MUST BE MELTED AND MANUFACTURED IN THE USA, IN COMPLIANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION BUY AMERICA REQUIREMENTS. ORIGINAL RAW MATERIAL PRODUCING MILL TEST REPORTS ARE REQUIRED. ALL MATERIAL MUST HAVE FULL TRACEABILITY BY HEAT NUMBER FROM ALL SOURCES, INCLUDING 3RD PARTY PROCESSORS AND GALVANIZERS. ALL RECEIPTS MUST BE IDENTIFIED BY QUANTITY, EITHER IN POUNDS OR PIECES, BY HEAT NUMBER.

☐ Approved Manufacturer(s): ☐ Vendor Reference:

Prepared:	D. Kohfeld	3/11/14
Engineer:	R. Brougher	4/10/14
Purchasing:	S. Brasher	8/13/14

Revision Description	ECO	Rev	By	Date	Eng	Pur
ADDED ILLUSTRATION W/ DIMENSIONS AND TOLERANCES	/	A	RJV	12/15/14	ARV	SKB
CORRECTED DESCRIPTION, AASHTO M180 ALTERNATE NO. 1, WEATHERING STEEL TO ASTM A325 TYPE 3, GALVANIZING TO AASHTO M232 CLASS C, REMOVED PICTURE, ADDED REQUIRED THREAD LENGTH	4186	B	RBT	03/08/16	BRE	KEJ