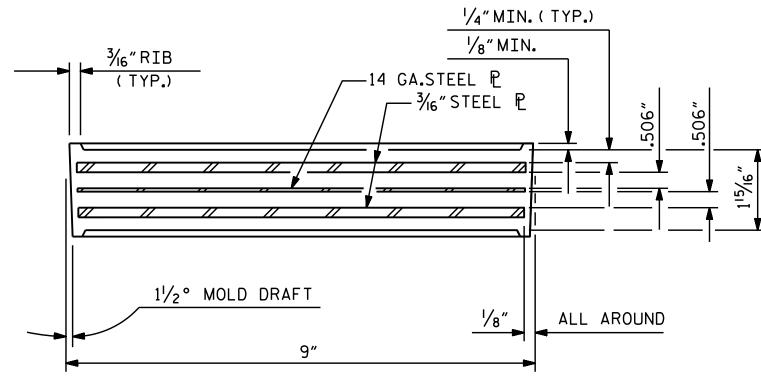
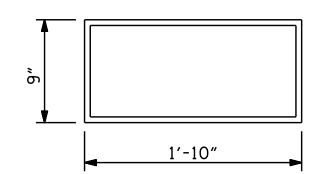


FIXED SECTION AT END BENT



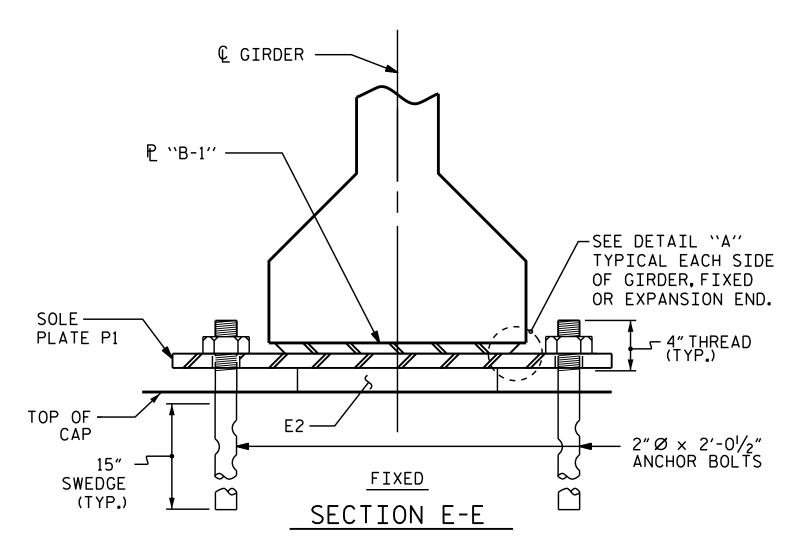
TYPICAL SECTION OF ELASTOMERIC BEARINGS

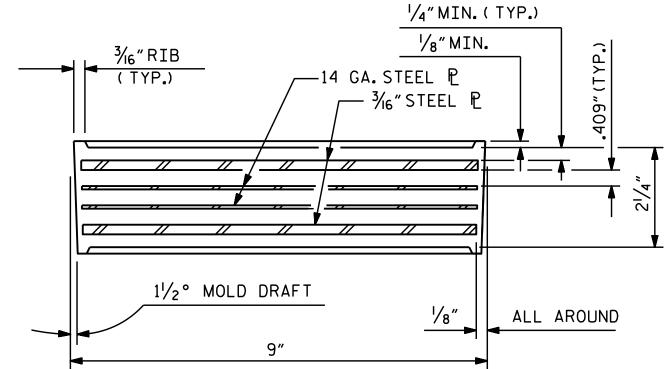


E1 (14 REQ'D)

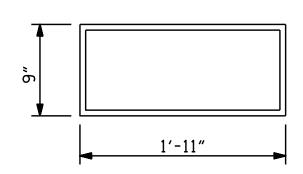
PLAN VIEW OF ELASTOMERIC BEARING

TYPE IV





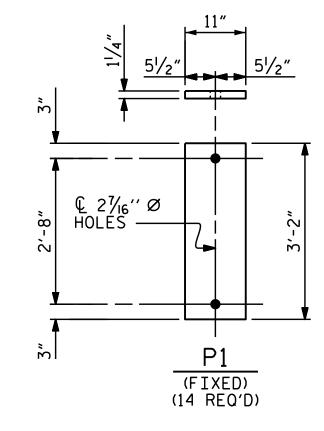
TYPICAL SECTION OF ELASTOMERIC BEARINGS

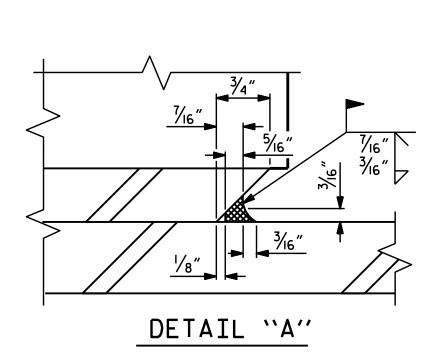


E2 (14 REQ'D)

PLAN VIEW OF ELASTOMERIC BEARING

TYPE V





MAXIMUM ALLOWABLE SERVICE LOADS	
D.L.+L.L.(NO IMPACT)	
TYPE IV	225 k
TYPE V	365 k

NOTES

AT ALL FIXED POINTS OF SUPPORT, NUTS FOR ANCHOR BOLTS ARE TO BE TIGHTENED FINGER TIGHT AND THEN BACKED OFF 1/2 TURN. THE THREAD OF THE NUT AND BOLT SHALL THEN BE BURRED WITH A SHARP POINTED TOOL.

STEEL SOLE PLATES, ANCHOR BOLTS AND NUTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

PRIOR TO WELDING, GRIND THE GALVANIZED SURFACE OF THE PORTION OF THE EMBEDDED PLATE AND SOLE PLATE THAT ARE TO BE WELDED. AFTER WELDING, DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

WHEN WELDING THE SOLE PLATE TO THE EMBEDDED PLATE IN THE GIRDER, USE TEMPERATURE INDICATING WAX PENS, OR OTHER SUITABLE MEANS, TO ENSURE THAT THE TEMPERATURE OF THE SOLE PLATE DOES NOT EXCEED 300°F. TEMPERATURES ABOVE THIS MAY DAMAGE THE ELASTOMER.

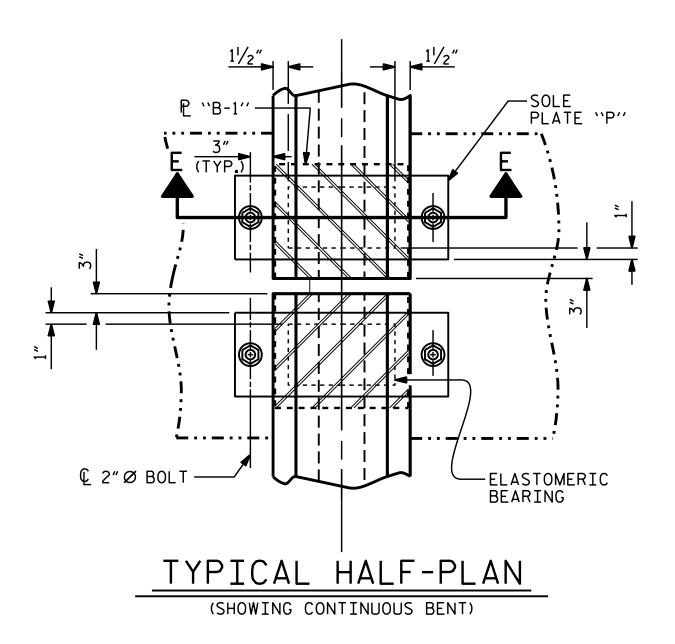
SOLE PLATE P1, BOLTS AND NUTS SHALL BE INCLUDED IN THE PAY ITEM FOR PRESTRESSED CONCRETE GIRDERS.

ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A449. NUTS SHALL MEET THE REQUIREMENTS OF AASHTO M291-DH OR AASHTO M292-2H. NO SHOP DRAWINGS ARE REQUIRED FOR ANCHOR BOLTS AND NUTS. SHOP INSPECTION IS REQUIRED.

ALL SURFACES OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT.

THE ELASTOMER IN THE STEEL REINFORCED BEARINGS SHALL HAVE A SHEAR MODULUS OF 0.160 KSI, IN ACCORDANCE WITH AASHTO M251.

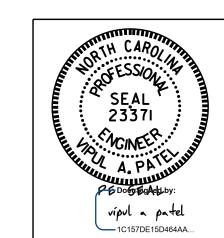
FOR STEEL REINFORCED ELASTOMERIC BEARINGS, SEE SPECIAL PROVISIONS.



PROJECT NO. B-5123

CABARRUS COUNTY

STATION: 21+44.10 -L-



DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD ELASTOMERIC BEARING

PRESTRESSED CONCRETE GIRDER
SUPERSTRUCTURE
(LEFT LANE)

TOTAL STEETS COMPLETED

TOTAL SHEET NO. BY: DATE: NO. BY: DATE: SIGNATURES COMPLETED

TOTAL SHEETS

TOTAL SHEETS

74

SOLE PLATE DETAILS (P1)

ASSEMBLED BY: T. H. CARROLL
CHECKED BY: K. D. LAYNE

DATE: 7/20/15

DATE: 8/21/15

REV. IO/I/II
REV. 6/I3
REV. 6/I3
REV. I/I5

MAA/TMG

DESIGN ENGINEER OF RECORD:
T. H. CARROLL
DATE: 12/7/15

01-MAR-2016 10:50
R:\Structures\Plans\Str01\B5123_SD_BG_01.dgn

STR. #1