A d d e n d u m

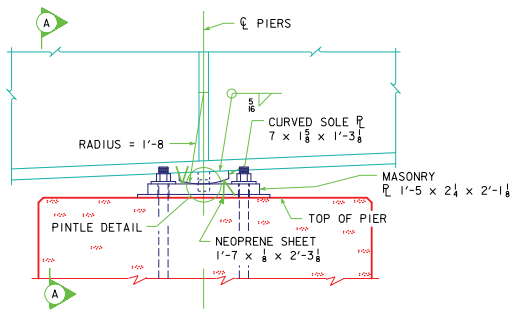
Iowa Department of Transportation
Office of Contracts

Date of Letting: February 17, 2015
Date of Addendum: February 5, 2015

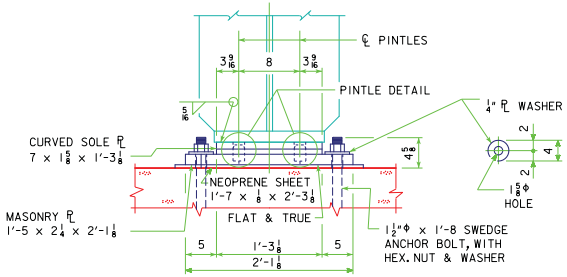
B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
306	78-0293-102	GRADING	POTTAWATTAMIE	IM-NHS-029-3(102)48--03-78 IM-NHS-029-3(103)48--03-78 IM-NHS-029-3(104)48--03-78 IM-029-3(105)48--13-78 NHS-029-3(106)48--11-78 IM-NHS-029-3(110)48--03-78 IM-NHS-029-3(122)48--03-78 IM-NHS-029-3(146)48--03-78 IM-NHS-080-1(416)3--03-78	17FEB306.A05

Replace plan sheet 38 with the attached for plan IM-NHS-080-1(416)3--03-78:

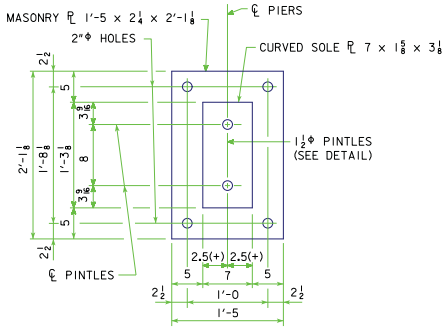
Changing notes on sheet 38 to allow welded alternate.



PART ELEVATION

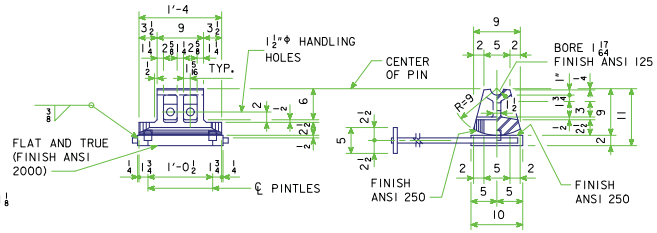


SECTION A-A



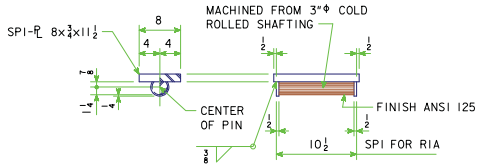
PLAN VIEW OF MASONRY AND SOLE PLATES

FIXED PIER



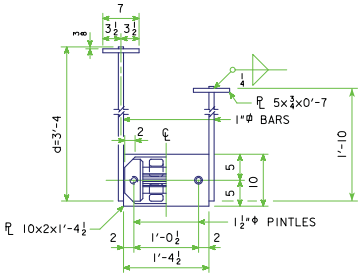
ABUT. ROCKER RIA

WT. = 143 LBS.



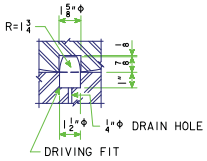
SOLE PLATE SPI

WT. = SPI = 34 LBS.

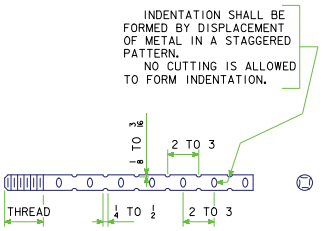


ABUTMENT MASONRY PLATE MPIA

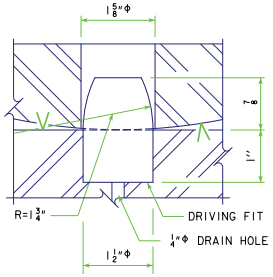
WT. = 110 LBS. (DOES NOT INCLUDE 1"Φ BARS)



TYPICAL PINTLE DETAIL



ANCHOR BOLT SWEDGE DETAIL



PINTLE DETAIL

BEARING NOTES:

THE CASTING OF R1A, R2A, & R3A SHALL BE IN ACCORDANCE WITH ARTICLE 4153.04, OF THE STANDARD SPECIFICATIONS. CASTINGS MAY BE GRAY IRON OR NODULAR IRON.

THE PINS SHALL BE IN ACCORDANCE WITH ARTICLE 4153.02, OF THE STANDARD SPECIFICATIONS, AND WITH THE REQUIREMENTS OF ASTM A108 STEEL.

PREPARATION OF BEARING AREA SHALL BE IN ACCORDANCE WITH ARTICLE 2408.03, M, OF THE STANDARD SPECIFICATIONS. THE BEDDING SHALL BE A SINGLE LAYER OF 1/8 INCH NEOPRENE SHEET.

THE 1/8 INCH NEOPRENE SHEETS ARE TO BE 50, 60, OR 70 DUROMETER HARDNESS AND SHALL BE 1 INCH GREATER IN LENGTH AND WIDTH THAN THE BOTTOM SURFACE OF THE MASONRY PLATES OR STEEL BEARINGS.

AS SOON AS THE SURFACING PROCESS IS DONE, THE SURFACES FINISHED WITH AN ANSI 125 FINISH SHALL BE SHOP COATED WITH AN APPLICATION OF WATERPROOF NATIONAL LUBRICATING GREASE INSTITUTE NO. 3 MULTIPURPOSE GREASE. JUST BEFORE THE ERECTION OF THE STRUCTURAL STEEL IN THE FIELD, THE SHOP COATED SURFACES ARE TO BE WIPED CLEAN AND A FIELD COAT OF NLGI NO. 3 GREASE IS TO BE APPLIED.

MASONRY PLATES MP1A, MP2A AND MP3A SHALL BE GALVANIZED AFTER THE 1"Φ BARS HAVE BEEN WELDED TO THE MASONRY PLATE.

ALL MASONRY PLATES SHALL BE GALVANIZED. GALVANIZING SHALL BE IN ACCORDANCE WITH ARTICLE 4100.07, OF THE STANDARD SPECIFICATIONS.

SURFACES MARKED "V" SHALL BE FINISHED ANSI 250.

MASONRY PLATES ARE TO BE SET ON A 1/8 INCH NEOPRENE SHEET.

THE 1/8 INCH NEOPRENE SHEETS ARE TO BE 50, 60, OR 70 DUROMETER HARDNESS AND SHALL BE 1 INCH GREATER IN LENGTH AND WIDTH THAN THE BOTTOM SURFACE OF THE MASONRY PLATES OR STEEL BEARINGS.

PINTLE PLATES, SOLE PLATES, ANCHOR BOLTS, AND MASONRY PLATES ARE A PART OF THE SUPERSTRUCTURE STRUCTURAL STEEL QUANTITY. COST OF NEOPRENE BEARING PADS AND 1/8 INCH NEOPRENE SHEETS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "STRUCTURAL STEEL".

THE PINTLE PLATES, KEEPER BARS, AND MASONRY PLATES SHALL BE GALVANIZED. WELDING SHALL BE COMPLETED PRIOR TO GALVANIZING. THE SURFACES OF THE PINTLE PLATE IN CONTACT WITH THE CURVED SOLE PLATE AND THE LAMINATED NEOPRENE PAD SHALL BE FREE OF PROJECTIONS DUE TO GALVANIZING.

CURVED SOLE PLATES SHALL COMPLY WITH ASTM A709 GRADE 50W AND PAINTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

KEEPER BARS, PINTLE PLATES AND MASONRY PLATES SHALL COMPLY WITH ASTM A709 GRADE 50.

ANCHOR BOLTS, NUTS AND WASHERS SHALL MEET THE REQUIREMENTS OF I.M. 453.08.

DISTANCE FROM TOP OF SOLE PLATE TO BRIDGE SEAT	
ROCKERS	D*
RIA	1'-0 3/4

* INCLUDING 1/8" NEOPRENE SHEET.

MAXIMUM REACTION (IN KIPS)
RIA
132

DESIGN FOR WIDENING ON VARIABLE SKEW

243'-0 x 39'-0 TO A 243'-0 x VARIES

CONTINUOUS ROLLED STEEL BEAM BRIDGE

46'-6, 51'-9, 72'-3, 63'-6 SPANS

BEARING DETAILS

STATION 1275+84.50 (℄ EXIST. I-29 N.B.) OCTOBER 2014

POTTAWATTAMIE COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. 37 OF 44 FILE NO. 30169 DESIGN NO. 215

DESIGN TEAM hgm	ABUTMENT BEARING STANDARDS	STANDARD SHEET 1008a	POTTAWATTAMIE COUNTY	PROJECT NUMBER IM-NHS-080-1(416)3--03-78	SHEET NUMBER 38

10/6/2014 9:52:25 AM jlk Z:\Projects\790413 IDOT -I-29 & I-80 CB Interchange System\CADD\dgn\Final\78080416.brg 780215S037 11x17_pdf.pltcfg

ENGLISHBEAMS.DGN 1008a - THIS SHEET ISSUED 05-10.