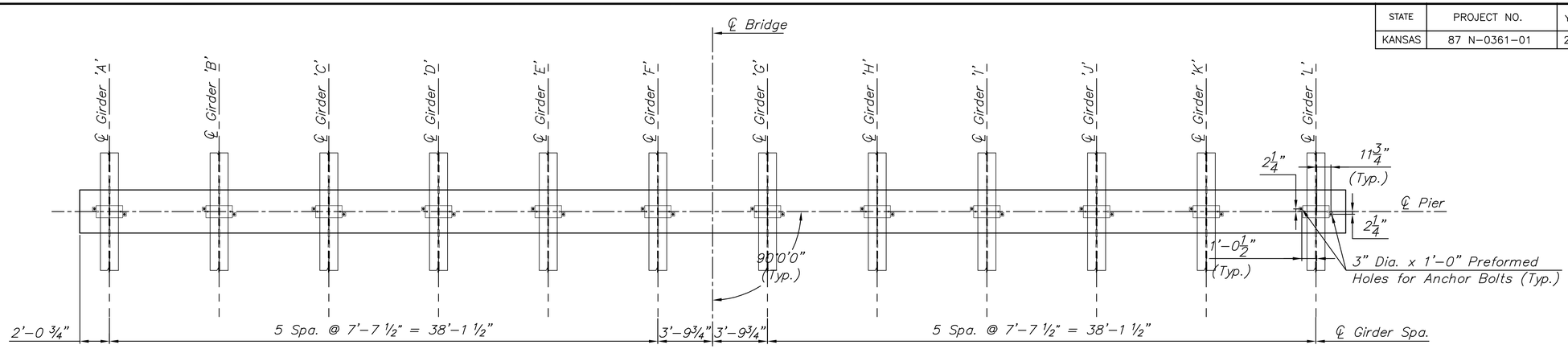
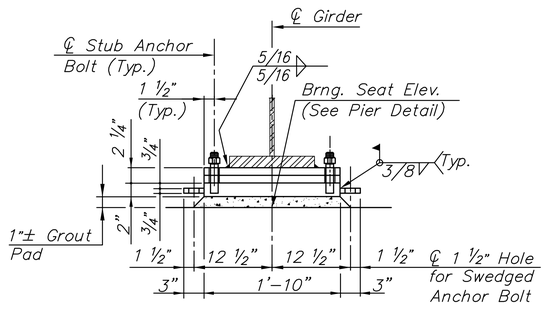
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0361-01	2011	58	169

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

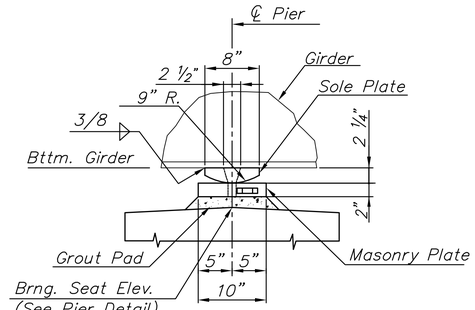
LINCOLN STREET BRIDGE AND DAM IMPROVEMENTS OVER ARKANSAS RIVER



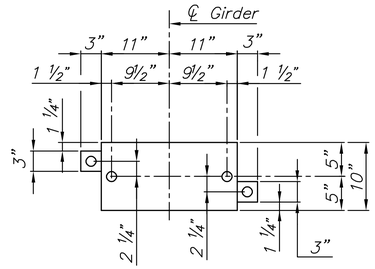


ELEVATION

BEARING PLATE LOCATION

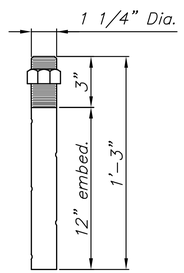


SIDE VIEW

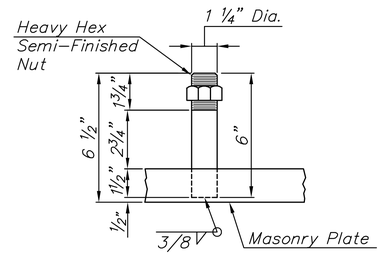


MASONRY PLATE PLAN

3" Dia. x 1'-0" Preformed Holes provided in Pier Head for bearing plate connection.

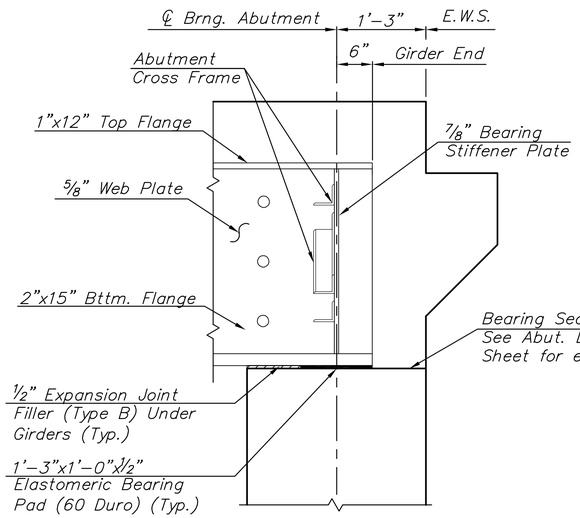


SWEDGED ANCHOR BOLT



STUB ANCHOR BOLT

The stub anchor bolts shall have a driven fit in the masonry plate holes with the bottom of the bolts 1/2" above the bottom of the plates. The bolts shall be welded to the base plates with a 3/8" continuous fillet weld. No weld metal shall extend below the bottom of the plate.



ABUTMENT BEARING SEAT DETAIL AND DIAPHRAM CONNECTION

Elastomeric Bearing Pad and Expansion Joint Filler shall be Subsidiary to Concrete 4.0 (A.E.)

PIER BEARING DEVICE

This item includes 1" grout pad and the weight of the masonry plate, sole plate, nuts and bolts. All parts of the bearing device with the exception of the anchor bolts shall be ASTM A709 Gr. 50 structural steel. The anchor bolts shall conform to the latest 2007 Kansas Department of Transportation Standard Specifications. The nuts for the anchor bolts shall be "Heavy Hex Semi-Finished Nuts".

Paint all surfaces of bearing devices with the Inorganic Zinc Vinyl System.

SUMMARY OF PIER BEARING DEVICE QUANTITIES

Item	No.	Weight (Each) Lbs.	Weight (Total) Lbs.
Sole Plate	24	120.0	2,880
Masonry Plate	24	130.0	3,120
Stub Anchor Bolt	48	2.0	96
Swedged Anchor Bolt	48	6.0	288
		TOTAL	6,384

LINCOLN ST. BRIDGE BEARING DETAILS
SHEET TITLE

472-84883
PROJECT NUMBER

JAG
DESIGN BY

DPG
DRAWN BY

KJS
CHECKED BY

ISSUED
1/24/2011
REVISED

SHEET NO.
58 of 169

PLOTTED: Tuesday, January 25, 2011 @ 08:47AM

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