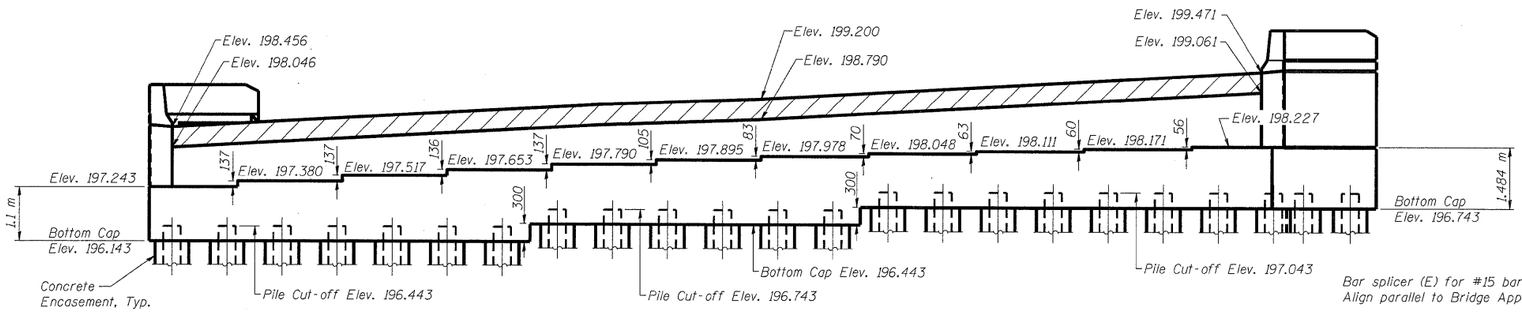
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. R. I. F. A. P. 310	*	MADISON	149	96
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

SHEET NO. 29
45 SHEETS

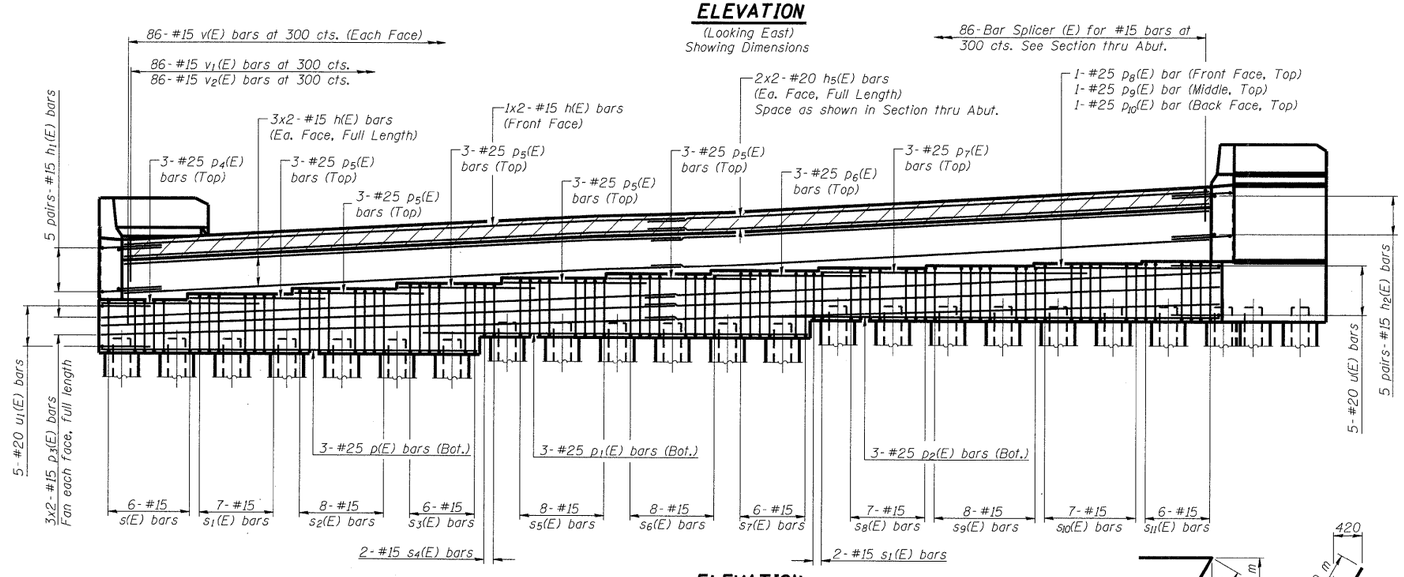
Contract #76634
* 60-15VB-1 & 2

5/7/2009 10:53:14 AM

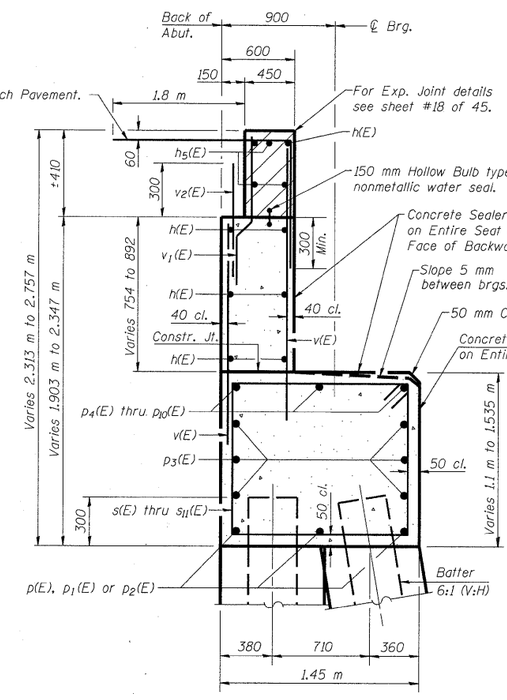
p:\02files\000024\rdRailroad-Bridge\SN060-0311 Plans\060-0311EastAbutment.dgn



ELEVATION
(Looking East)
Showing Dimensions

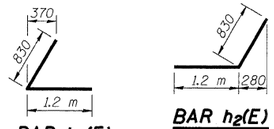


ELEVATION
(Looking East)
Showing Reinforcement



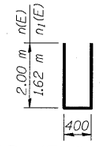
SEC. THRU ABUT.
(Dimensions at Rt. L's to Abutment)

Bar splicer (E) for #15 bars.
Align parallel to Bridge Approach Pavement.

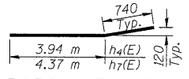


BAR $h_1(E)$

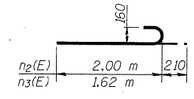
BAR $h_2(E)$



BAR $n(E)$ & $n_1(E)$



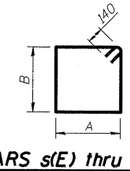
BARS $h_4(E)$ & $h_7(E)$



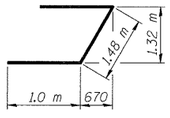
BAR $n_2(E)$ & $n_3(E)$

A & B DIMENSIONS

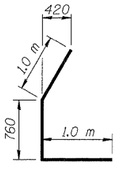
Bar	A	B
s(E)	1.35 m	1.00 m
s1(E)	1.35 m	1.13 m
s2(E)	1.35 m	1.27 m
s3(E)	1.35 m	1.41 m
s4(E)	1.35 m	1.11 m
s5(E)	1.35 m	1.24 m
s6(E)	1.35 m	1.35 m
s7(E)	1.35 m	1.43 m
s8(E)	1.35 m	1.20 m
s9(E)	1.35 m	1.26 m
s10(E)	1.35 m	1.32 m
s11(E)	1.35 m	1.48 m
s12(E)	650	660



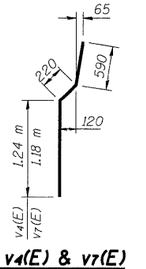
BARS s(E) thru $s_{12}(E)$



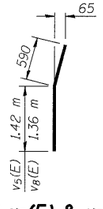
BAR u(E)



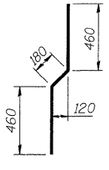
BAR $u_1(E)$



BAR $v_4(E)$ & $v_7(E)$



BAR $v_5(E)$ & $v_8(E)$



BAR $v_1(E)$

Notes:
Bars indicated thus 3 x 2-#15 etc. indicates 3 lines of bars with 2 lengths per line.

Work this sheet with sheets #28, 30 & 31 of 45.

For Concrete Encasement Details, See Sheet #40 of 45.

Min. Lap
#15 bars = 640
#20 bars = 790

DESIGNED	ADL
CHECKED	WLW
DRAWN	RJP
CHECKED	WLW

EAST ABUTMENT DETAILS
FAP RTE. 310 (IL RTE. 255) SB & RAMP D OVER UNION PACIFIC & KANSAS CITY SOUTHERN R.R.
SECTION 60-15VB-1 & 2
MADISON COUNTY
STATION 39+160.297
STRUCTURE NUMBER 060-0311

Klingner & Assoc., P.C.