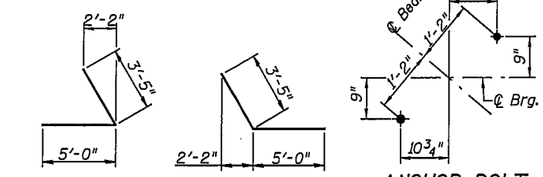
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 332	(e)	VERMILION	140	61
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		- SHEETS

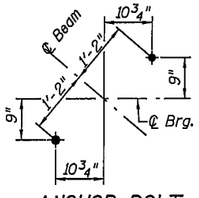
Contract #90841

(e)SEC. RX-1-BR-1

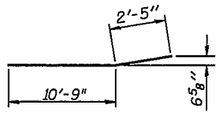
**Prior to grinding.



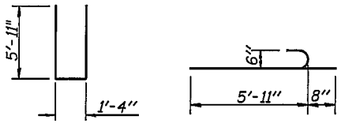
BAR h_{11} (E) BAR h_{12} (E)



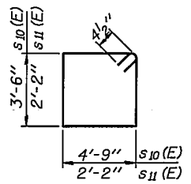
ANCHOR BOLT LAYOUT PLAN



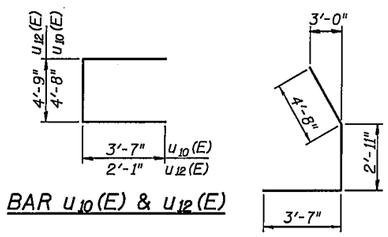
BAR h_{14} (E)



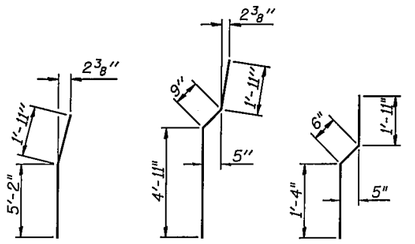
BAR n_{12} (E) BAR n_{13} (E)



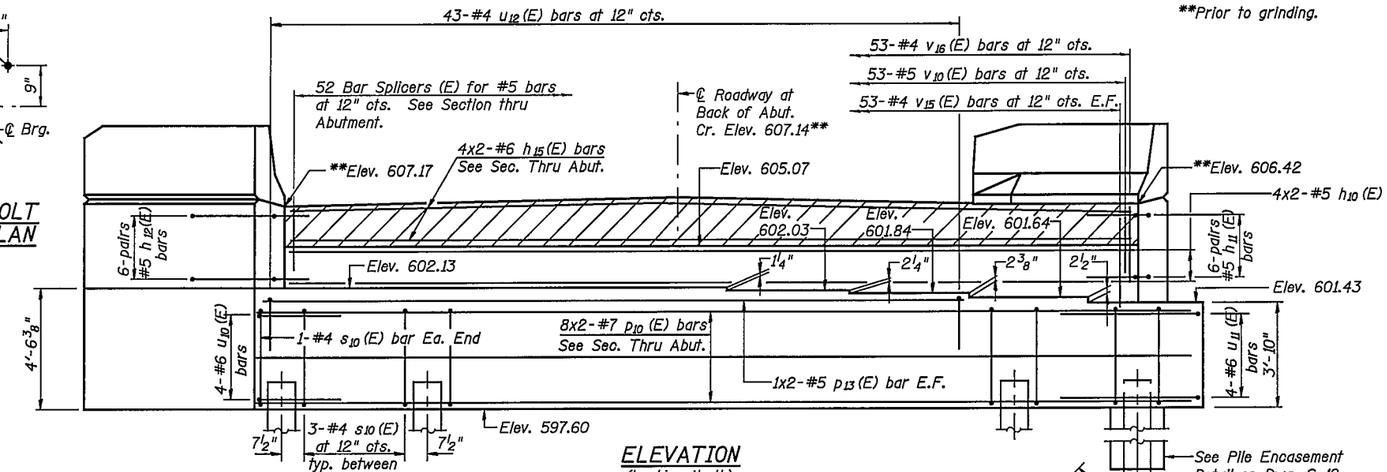
BARS s_{10} (E) & s_{11} (E)



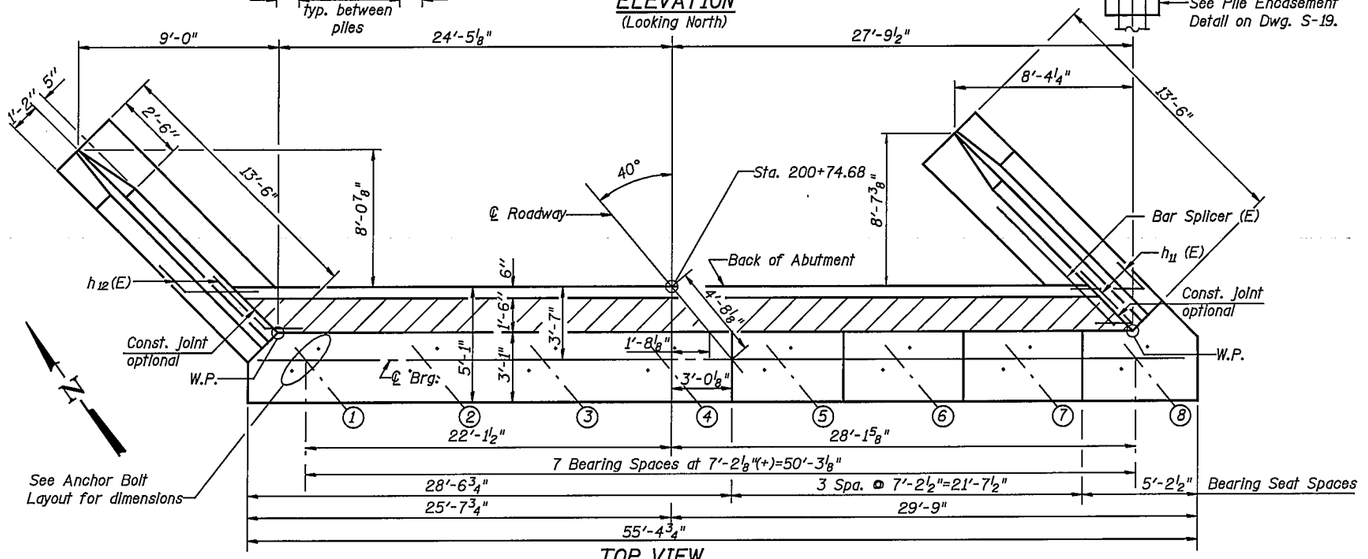
BAR u_{10} (E) & u_{12} (E) BAR u_{11} (E)



BAR v_{13} (E) BAR v_{14} (E) BAR v_{16} (E)



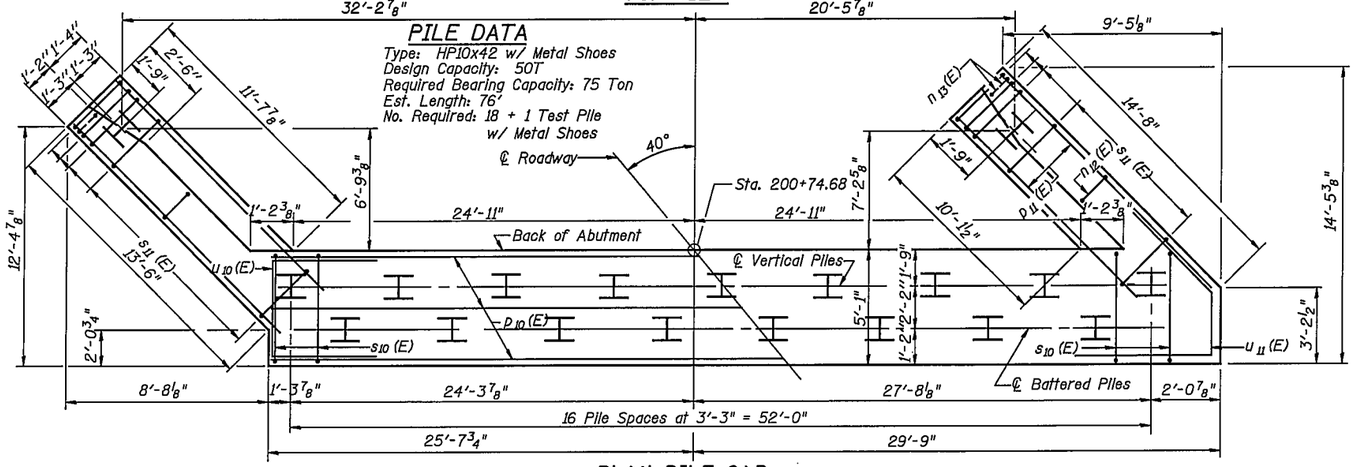
ELEVATION (Looking North)



TOP VIEW

PILE DATA

Type: HP10x42 w/ Metal Shoes
Design Capacity: 50T
Required Bearing Capacity: 75 Ton
Est. Length: 76'
No. Required: 18 + 1 Test Pile w/ Metal Shoes



PLAN-PILE CAP

ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_{10} (E)	16	#5	27'-1"	
h_{11} (E)	12	#5	8'-5"	
h_{12} (E)	12	#5	8'-5"	
h_{13} (E)	20	#4	13'-2"	
h_{14} (E)	12	#4	13'-2"	
h_{15} (E)	8	#6	27'-4"	
n_{12} (E)	22	#6	13'-2"	
n_{13} (E)	12	#6	6'-7"	
p_{10} (E)	16	#7	30'-0"	
p_{11} (E)	12	#7	14'-4"	
p_{13} (E)	4	#5	22'-0"	
s_{10} (E)	50	#4	17'-3"	
s_{11} (E)	30	#4	9'-5"	
u_{10} (E)	4	#6	11'-10"	
u_{11} (E)	4	#6	11'-2"	
u_{12} (E	43	#4	8'-11"	
v_{10} (E)	53	#5	2'-0"	
v_{12} (E)	28	#6	7'-6"	
v_{13} (E)	6	#6	7'-1"	
v_{14} (E)	22	#6	7'-7"	
v_{15} (E)	106	#4	5'-1"	
v_{16} (E)	53	#4	3'-9"	
Structure Excavation		Cu. Yd.	314	
Concrete Structures		Cu. Yd.	72.5	
Reinforcement Bars, Epoxy Coated		Pound	5,650	
Furnishing Steel Piles HP10x42		Foot	1,368	
Driving Steel Piles		Foot	1,368	
Test Pile Steel HP10x42		Each	1	
Bar Splicers		Each	52	
Metal Shoes		Each	18	

Bars indicated thus 5x3-#5 etc. indicates 5 lines of bars with 3 lengths per line.
Reinforcement bars designated (E) shall be epoxy coated.
For details of Bar Splicers, see sheet S-27.

MIN. BAR LAP	
#5	2'-3"
#6	2'-9"
#7	4'-10"

NORTH ABUTMENT PLANS & ELEVATION

U.S. ROUTE 136/IL. ROUTE 1 OVER NORTH FORK VERMILION RIVER
F.A.P. ROUTE 332 SEC. RX-1-BR-1
VERMILION COUNTY
STATION 198+63.75
STRUCTURE NO. 092-0205

Clark Dietz
CHAMPAIGN, ILLINOIS
CHICAGO, ILLINOIS
EVANSVILLE, INDIANA
INDIANAPOLIS, INDIANA
KENOSHA, WISCONSIN
SPRING GREEN, WISCONSIN

REVISIONS NAME	DATE

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS SHEET.

DESIGNED BY: XX
DRAWN BY: HEV
CHECKED BY: HH
APPROVED BY: XXX
ACTIVITY DETAILS
PROJECT NO: 182268
DATE: X/25

DRAWING NUMBER S-20