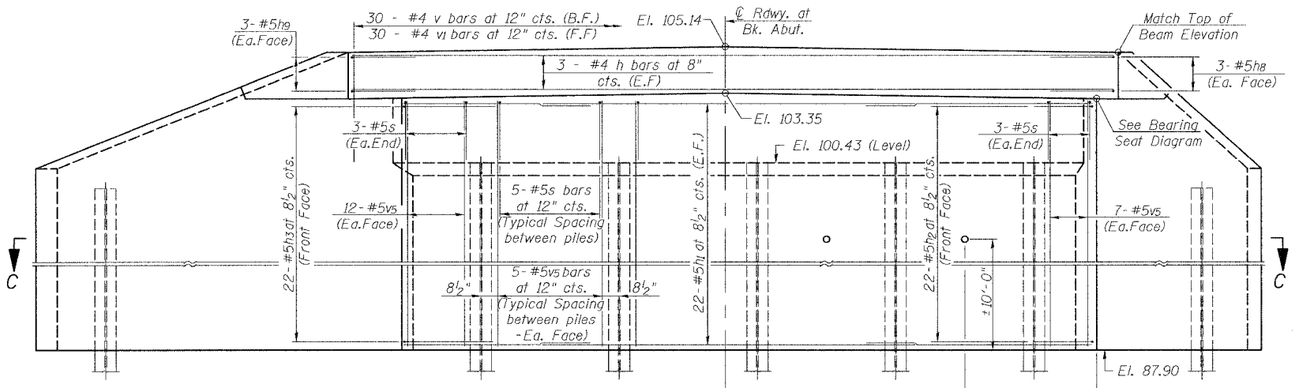
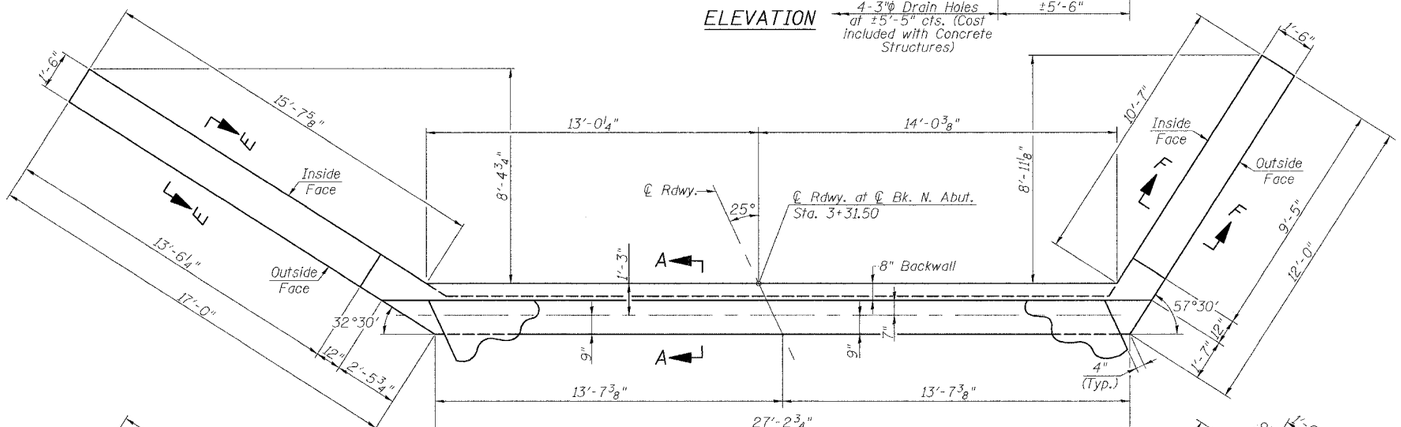
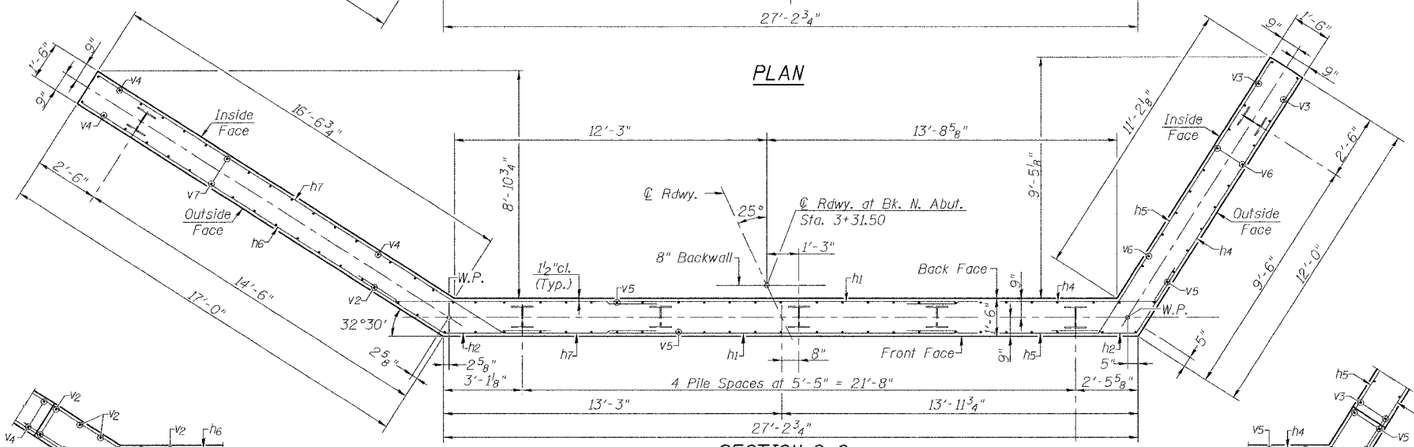
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
50	05-03104-00-BR	JERSEY	12	8
		CONTRACT NO. 97334		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



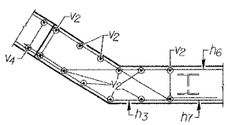
ELEVATION



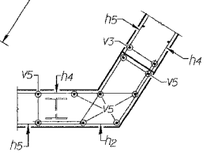
PLAN



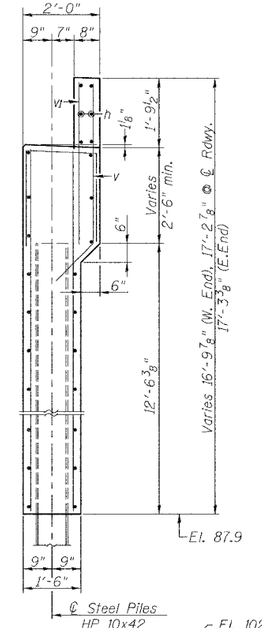
SECTION C-C



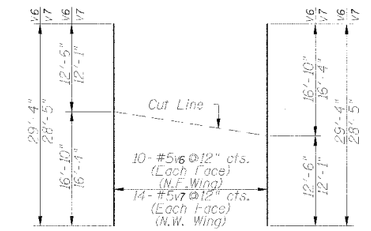
CORNER DETAIL



CORNER DETAIL



SECTION A-A



v6 & v7 - BAR CUT DIAGRAM

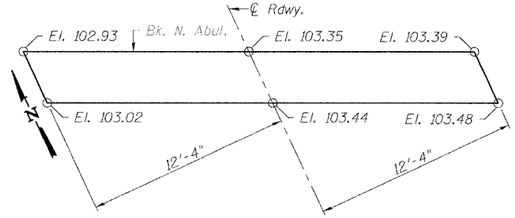
Note: Order v6 and v7 bars full length. Lay out in field as shown. Cut along cut line. Use remainder of bar in opposite face of wingwall.

PILE DATA

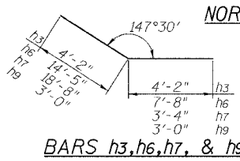
Type:	Steel HP 10x42
Nominal Required Bearing:	294 Kips
Allowable Resistance Available:	98 Kips
Est. Length:	58'
No. of Production Piles:	6
No. of Test Piles:	1

The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

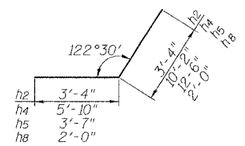
The Steel H-Piles shall be according to AASHTO M270 Grade 50.



NORTH ABUTMENT BEARING SEAT DIAGRAM



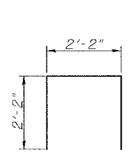
BARS h3,h6,h7, & h9



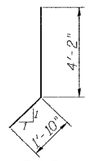
BARS h2,h4,h5, & h8

NORTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	6	#4	29'-11"	
h1	44	#5	20'-0"	
h2	22	#5	6'-8"	
h3	22	#5	8'-4"	
h4	22	#6	16'-0"	
h5	22	#6	16'-1"	
h6	22	#8	22'-1"	
h7	22	#8	22'-0"	
h8	6	#5	4'-0"	
h9	6	#5	6'-0"	
h10	4	#5	10'-6"	
h11	4	#5	15'-3"	
s	26	#5	6'-6"	
v	30	#5	6'-0"	
v1	30	#5	3'-6"	
v5	59	#5	14'-8"	
v6	10	#5	29'-4"	
v7	14	#5	28'-5"	
Reinforcement Bars			Pound	7300
Concrete Structures			Cu. Yd.	49.5
Furnishing Steel Piles HP10x42			Foot	348
Driving Steel Piles			Foot	348
Test Pile Steel HP 10x42			Each	1
Structure Excavation			Cu. Yd.	63



BAR s



BAR V

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - ___	REVISED - ___
		DRAWN - ___	REVISED - ___
	PLOT SCALE = $SCALE$	CHECKED - ___	REVISED - ___
	PLOT DATE = $DATE$	DATE - _____	REVISED - ___

Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL. Design Firm
No. 184-001907

NORTH ABUTMENT

SCALE: _____ | SHEET NO. 8 OF 12 SHEETS | STA. 1+40 TO STA. 5+10

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		