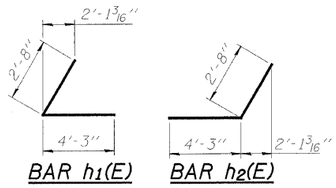
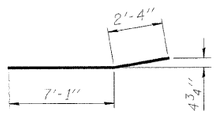
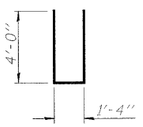
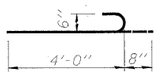
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 5154	04-00343-00-BR	WINNEBAGO	92	36
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-BRM-5099(75)		

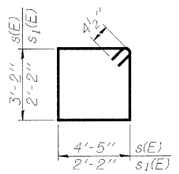
Structural Sheet 12A of 22A

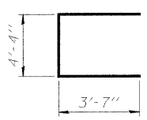


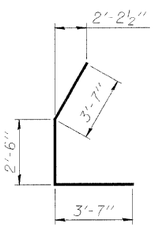


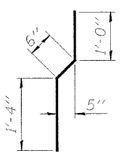


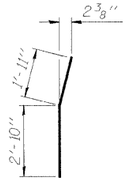


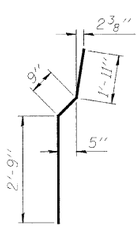






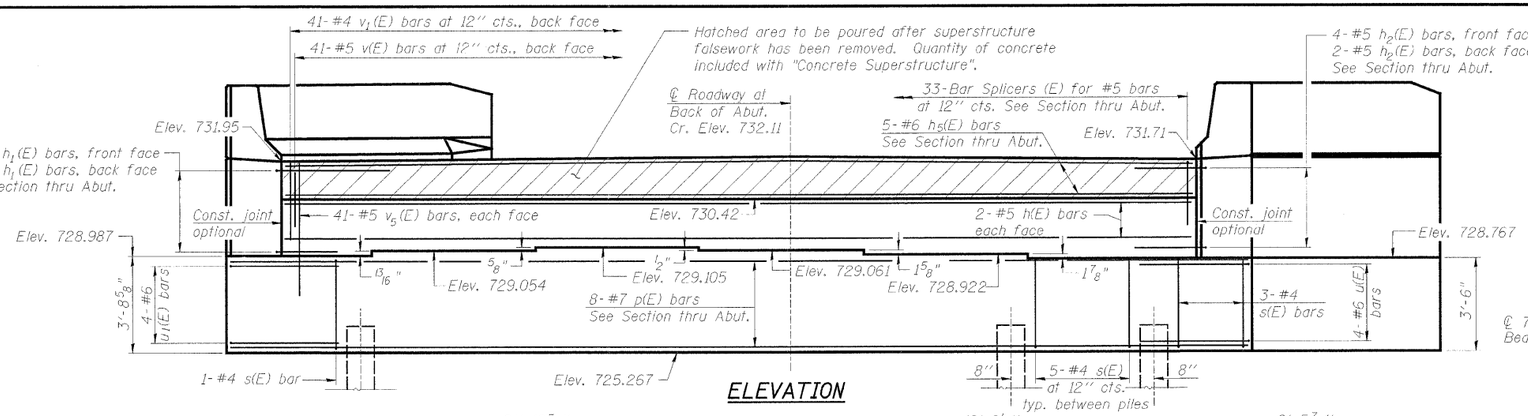




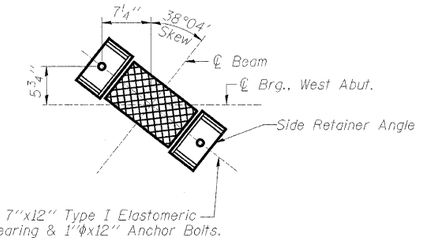


PILE DATA

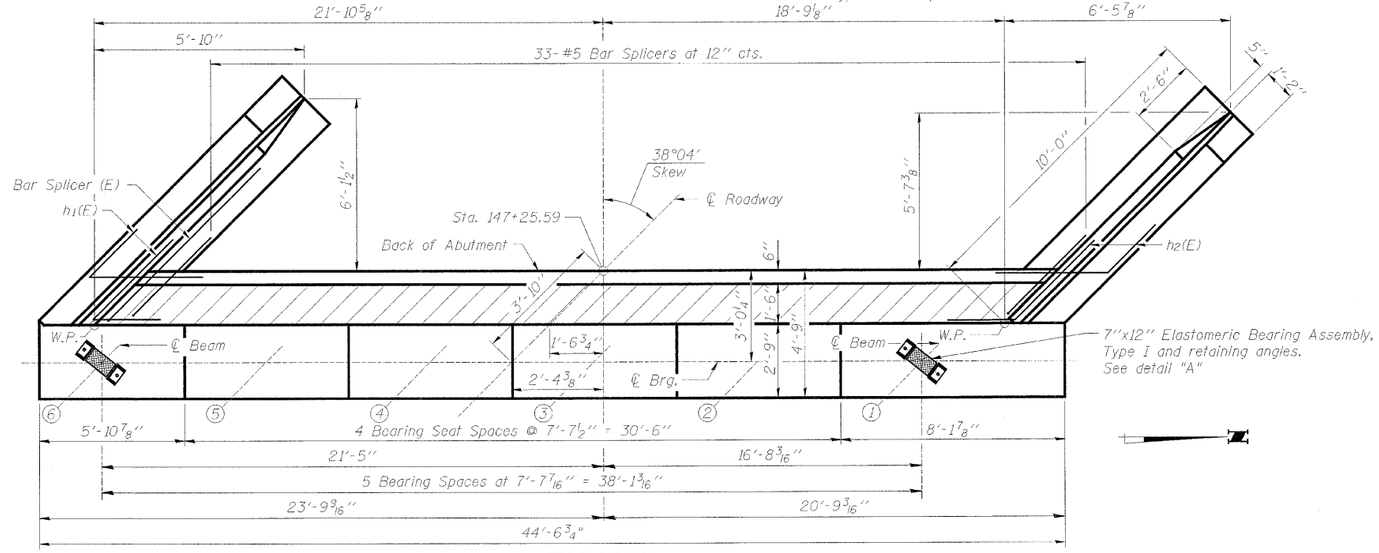
Type: 12 in. Dia. x 0.25" Walls
Nominal Required Bearing: 270 kips
Allowable Resistance Available: 90 kips
Est. Length: 23'
No. Production Piles: 10
No. Test Piles: 1



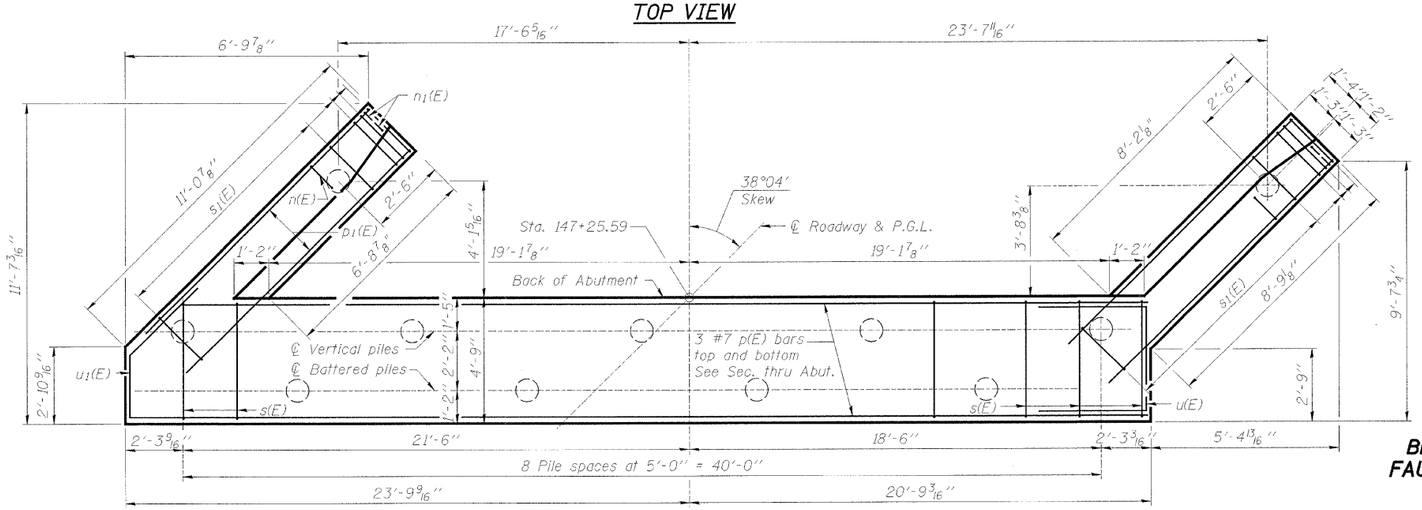
ELEVATION



DETAIL "A"



TOP VIEW



PLAN-PILE CAP

ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	4	#5	40'-6"	
h1(E)	6	#5	6'-11"	
h2(E)	6	#5	6'-11"	
h3(E)	14	#4	8'-5"	
h4(E)	14	#4	9'-5"	
h5(E)	5	#6	40'-2"	
n(E)	16	#6	9'-4"	
n1(E)	12	#6	4'-8"	
p(E)	8	#7	44'-2"	
p1(E)	12	#7	10'-9"	
s(E)	44	#4	15'-11"	
s1(E)	28	#4	9'-5"	
u(E)	4	#6	11'-6"	
u1(E)	4	#6	9'-8"	
v(E)	41	#5	2'-6"	
v1(E)	41	#4	2'-10"	
v2(E)	22	#6	5'-5"	
v3(E)	6	#6	4'-9"	
v4(E)	16	#6	5'-5"	
v5(E)	82	#5	4'-2"	
Porous Granular Embankment			Cu. Yd.	49
Structure Excavation			Cu. Yd.	120
Concrete Structures			Cu. Yd.	40.9
Reinforcement Bars, Epoxy Coated			Pound	3,680
Bar Splicers			Each	33
Furnishing Metal Shell Piles, 12"			Foot	230
Driving Piles			Foot	230
Test Pile, Metal Shell			Each	1
Concrete Sealer			Sq. Ft.	124
Geocomposite Wall Drain			Sq. Yd.	23
Pipe Underdrains for Structures 4"			Foot	73

NOTES:

For Bar Splicer Assembly detail, see Structural Sheet 20A of 22A.

For pile detail see Structural Sheet 18A of 22A.

Reinforcement Bars Designated (E) shall be epoxy coated.

WEST ABUTMENT
BELTLINE ROAD OVER ILLINOIS RAILNET
FAU ROUTE 5154 SECTION 04-00343-00-BR
WINNEBAGO COUNTY
STA. 148+18.00 (S.N. 101-0172)