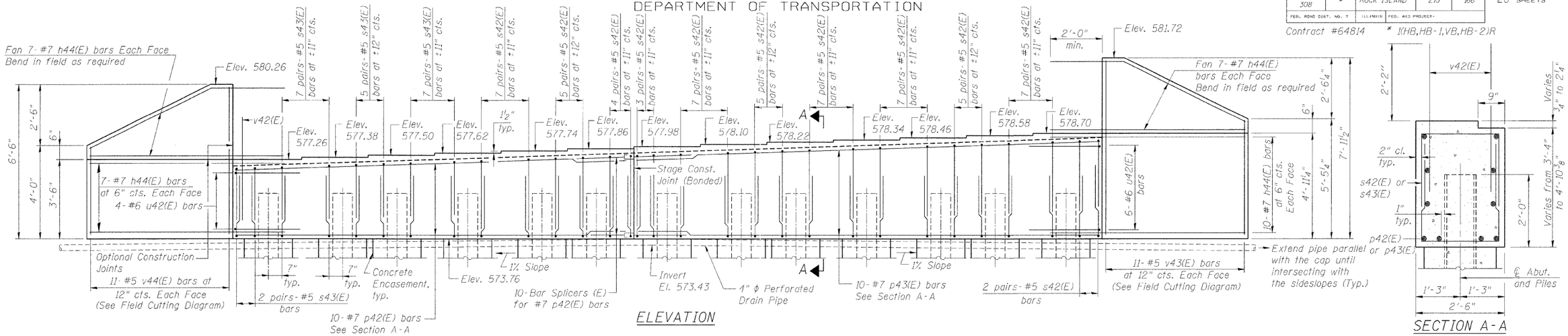
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 308	*	ROCK ISLAND	210	166
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 19
28 SHEETS

Contract #64814 * I(HB,HB-1,VB,HB-2)R

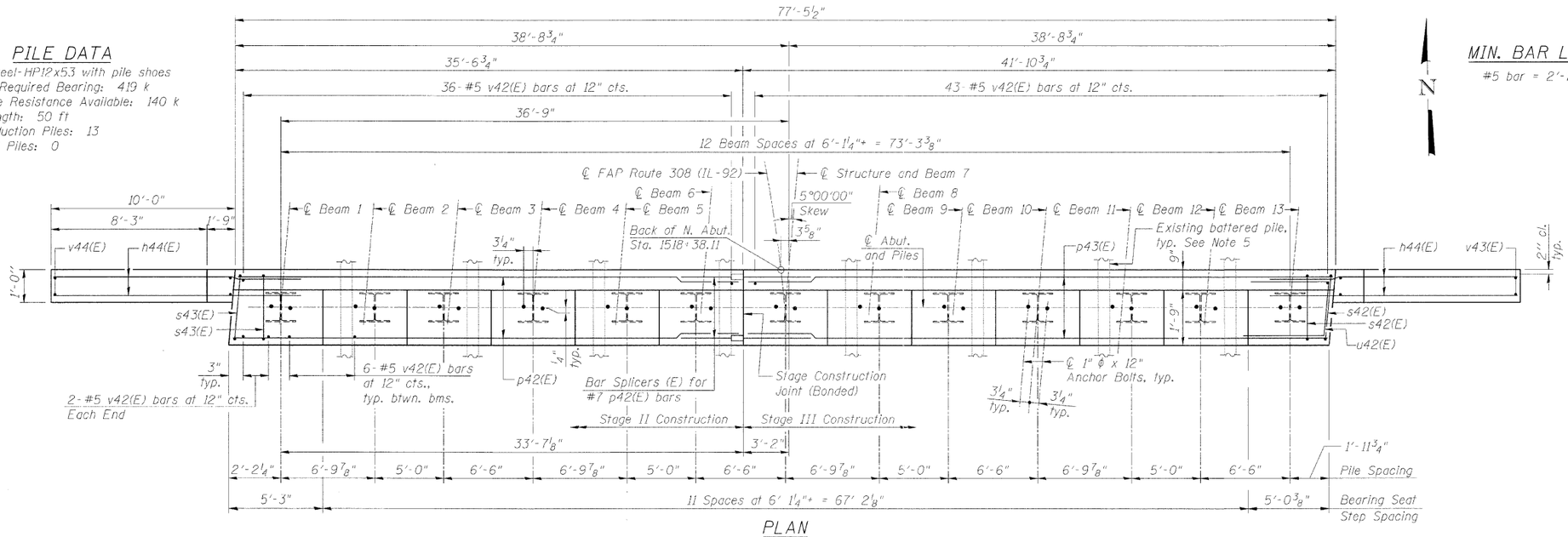


ELEVATION

SECTION A-A

PILE DATA

Type: Steel-HP12x53 with pile shoes
Nominal Required Bearing: 419 k
Allowable Resistance Available: 140 k
Est. Length: 50 ft
No. Production Piles: 13
No. Test Piles: 0



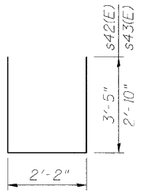
PLAN

MIN. BAR LAP

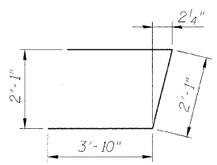
#5 bar = 2'-2"

BILL OF MATERIAL

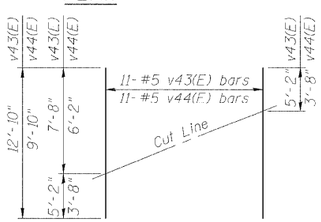
Bar	No.	Size	Length	Shape
h44(E)	62	#7	12'-0"	
p42(E)	10	#7	35'-2"	
p43(E)	10	#7	41'-4"	
s42(E)	118	#5	9'-0"	
s43(E)	42	#5	7'-10"	
u42(E)	10	#6	9'-9"	
v42(E)	155	#5	4'-4"	
v43(E)	11	#5	12'-10"	
v44(E)	11	#5	9'-10"	
Porous Granular Embankment (Special)		Cu. Yd.	150	
Structure Excavation		Cu. Yd.	61	
Concrete Structures		Cu. Yd.	34.9	
Reinforcement Bars, Epoxy Coated		Pound	5,640	
Furnishing Steel Piles HP12x53		Foot	650	
Driving Piles		Foot	650	
Pile Shoes		Each	13	
Concrete Encasement		Cu. Yd.	4.6	
Geocomposite Wall Drain		Sq. Yd.	69	
Pipe Underdrains for Structures 4"		Foot	112	



BARS s42(E) & s43(E)



BAR u42(E)



FIELD CUTTING DIAGRAM

Order v43(E) and v44(E) full length. Cut as shown and use remainder of bars in opposite face.

NOTES

1. For details of Bar Splicers, see Sheet No. 22
2. For details of piles and Concrete Encasement, see Sheet No. 21
3. For abutment diaphragm details, see Sheet No. 9
4. For Section thru Abutment, see Sheet No. 18
5. The Contractor shall verify the locations of existing piles before driving new piles.
6. Excavation required for Concrete Encasements shall be included in the cost of Concrete Encasement.
7. Pour steps monolithically with cap.
8. For bearing details, see Sheet No. 17

DESIGNED	AMK
CHECKED	JSD
DRAWN	OS
CHECKED	RWC

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

NORTH ABUTMENT
IL ROUTE 92 (CENTENNIAL EXPRESSWAY)
OVER 18th AVENUE
FAP ROUTE 308 SEC. 1(HB-1)R
ROCK ISLAND COUNTY
STATION 1517+79.41
STRUCTURE NO. 081-0171

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