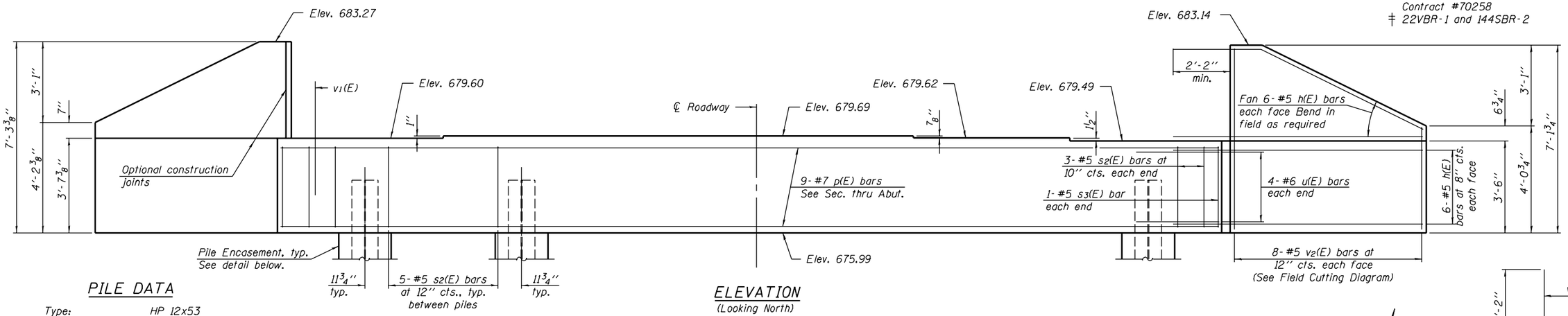
Notes: Pour steps monolithically with cap. Reinforcement bars designated (E) shall be epoxy coated.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1671	‡	DOUGLAS	181	124
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 40
46 SHEETS

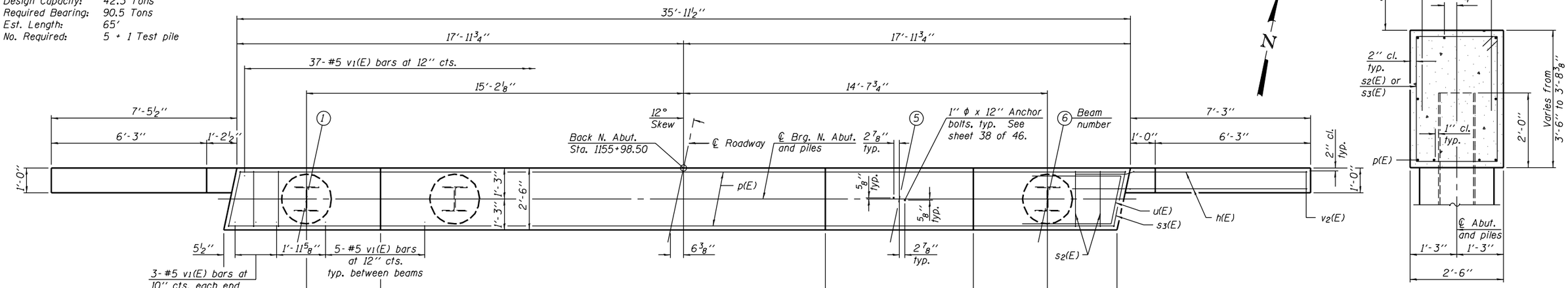
Contract #70258
‡ 22VBR-1 and 144SBR-2



ELEVATION
(Looking North)

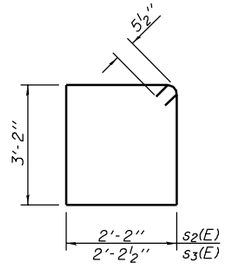
PILE DATA

Type:	HP 12x53
Design Capacity:	42.3 Tons
Required Bearing:	90.5 Tons
Est. Length:	65'
No. Required:	5 + 1 Test pile

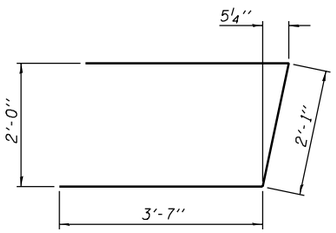


PLAN

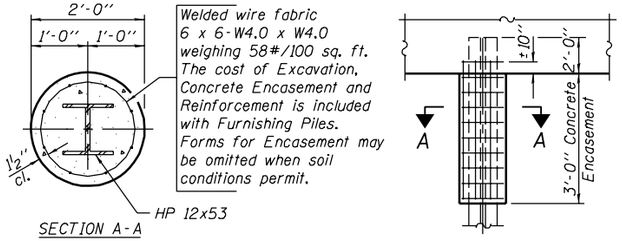
SEC. THRU ABUT.



BARS s2(E) & s3(E)



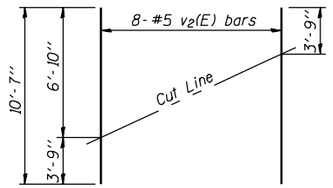
BAR u(E)



PILE ENCASEMENT DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	48	#5	10'-4"	———
p(E)	9	#7	35'-7"	———
s2(E)	31	#5	11'-7"	⌐
s3(E)	2	#5	11'-8"	⌐
u(E)	8	#6	9'-3"	⌐
v1(E)	68	#5	4'-4"	———
v2(E)	16	#5	10'-7"	———
Concrete Structures		Cu. Yd.	15.4	
Reinforcement Bars, Epoxy Coated		Pound	2170	
Furnishing Steel Piles HP 12x53		Foot	325	
Driving Steel Piles		Foot	325	
Test Pile Steel HP 12x53		Each	1	
Structure Excavation		Cu. Yd.	80	



FIELD CUTTING DIAGRAM

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.

NORTH ABUTMENT
F.A.S. RT. 1671 - SEC. 22VBR-1
DOUGLAS COUNTY
STATION 1154+99.02
STRUCTURE NO. 021-0060

DESIGNED	Curt M. Evoy
CHECKED	Rebecca L. Tharp
DRAWN	Michael B. Mossman
CHECKED	C.M.E. / R.L.T.

August 4, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES