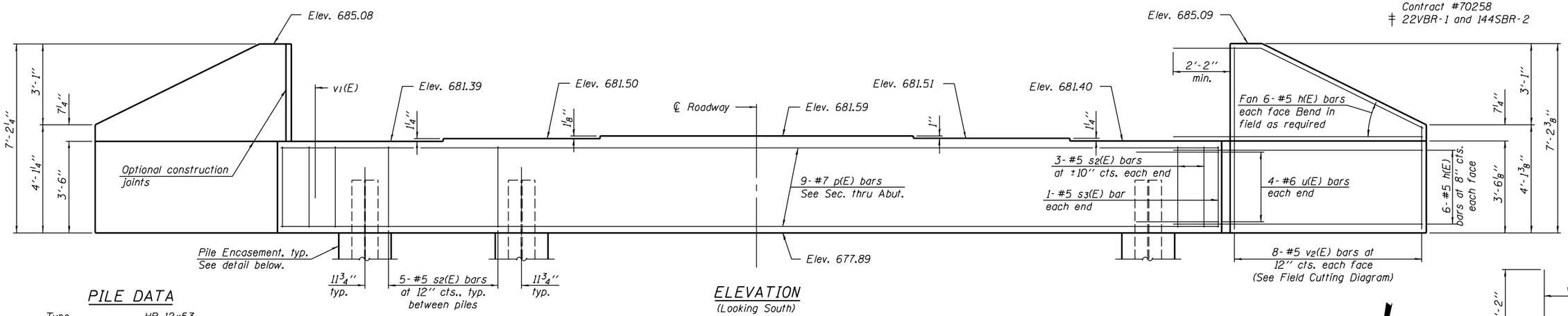
Notes: Pour steps monolithically with cap. Reinforcement bars designated (E) shall be epoxy coated.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1671	‡	DOUGLAS	181	123
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 39
46 SHEETS

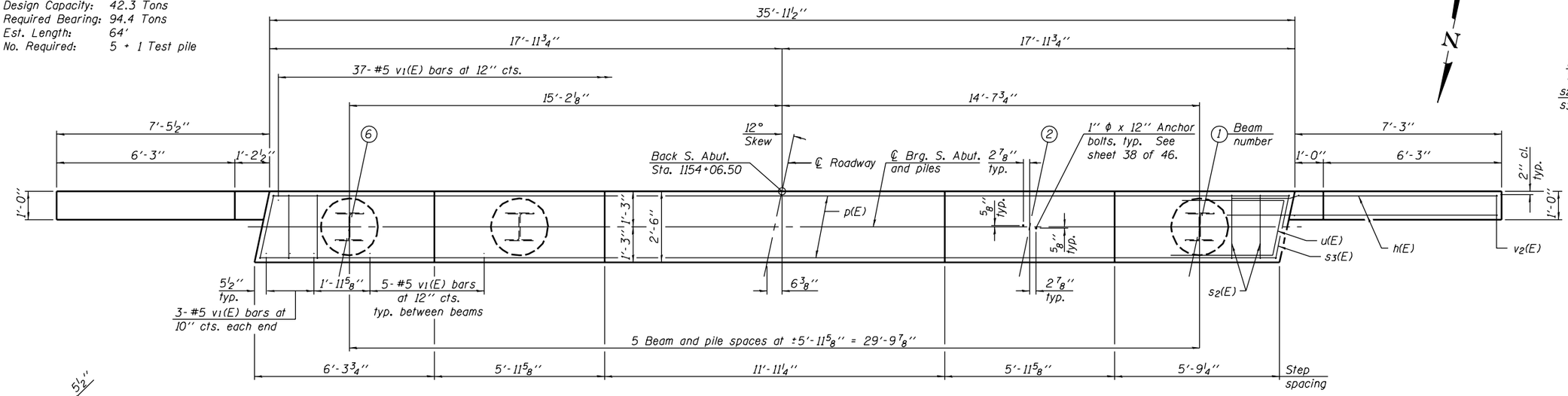
Contract #70258
‡ 22VBR-1 and 144SBR-2



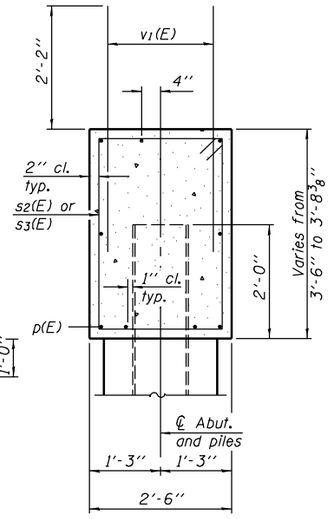
ELEVATION
(Looking South)

PILE DATA

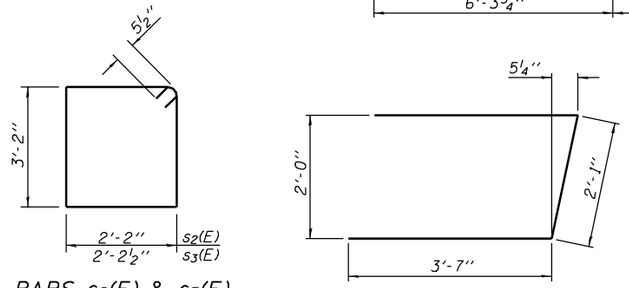
Type:	HP 12x53
Design Capacity:	42.3 Tons
Required Bearing:	94.4 Tons
Est. Length:	64'
No. Required:	5 + 1 Test pile



PLAN

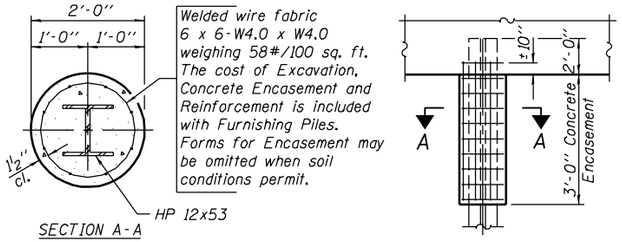


SEC. THRU ABUT.



BARS s2(E) & s3(E)

BAR u(E)

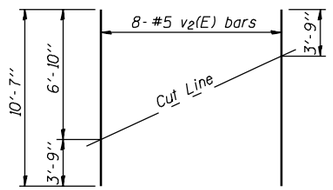


SECTION A-A

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.	15.3
Reinforcement Bars, Epoxy Coated			Pound	2170
Furnishing Steel Piles HP 12x53			Foot	320
Driving Steel Piles			Foot	320
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.

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

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