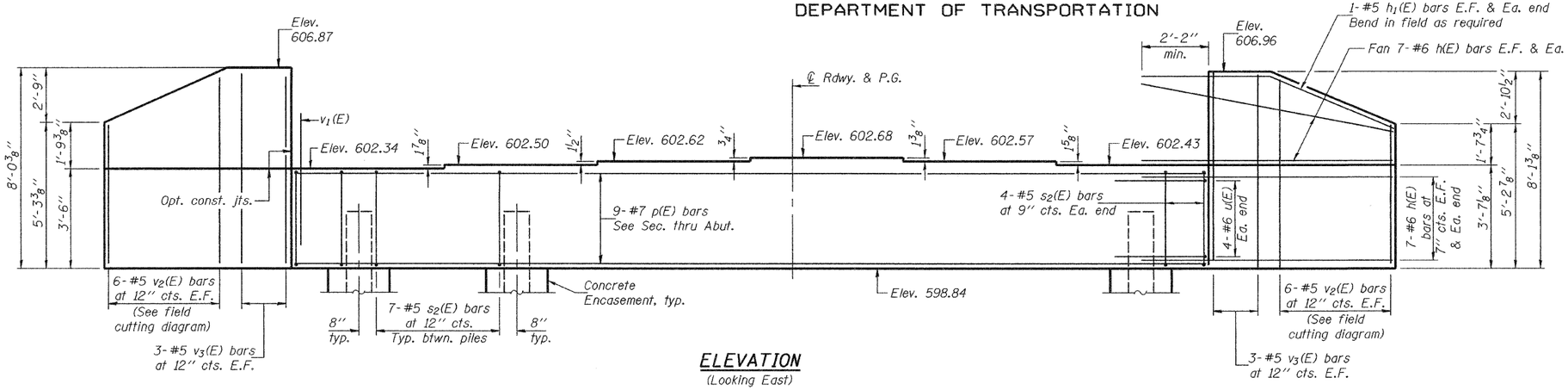
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

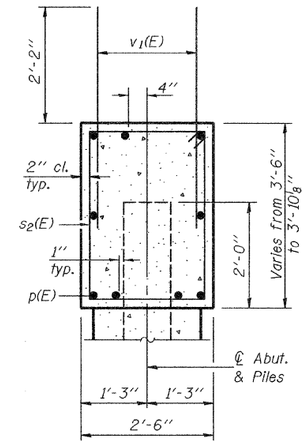
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	14BR & 14BR-1	BUREAU	219	95
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 23
32 SHEETS

Contract No. 66731



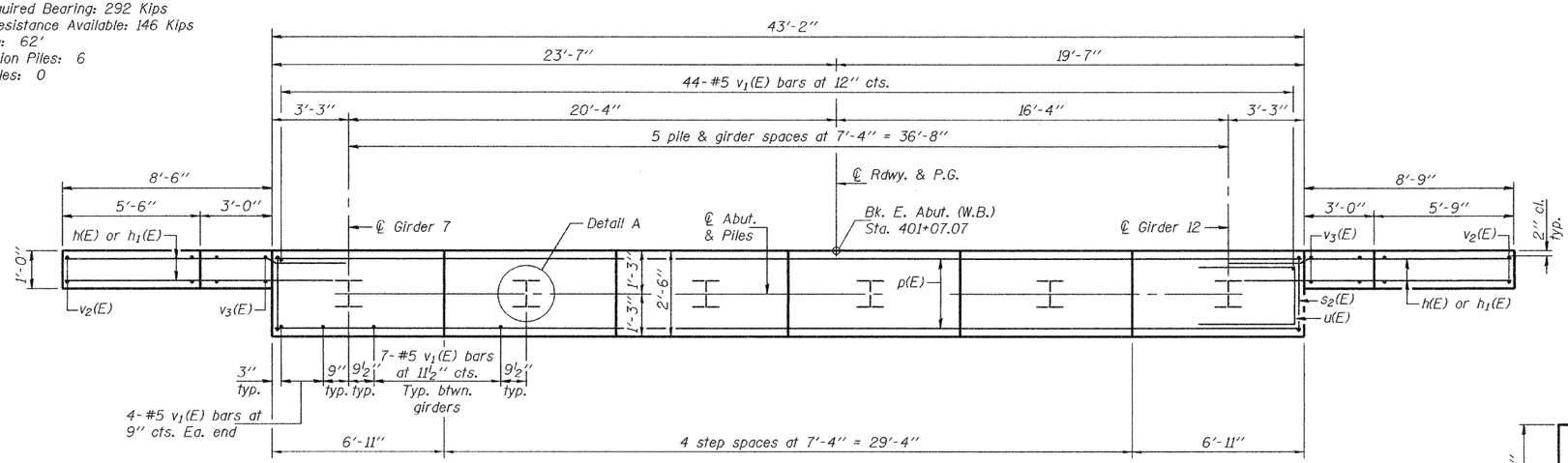
ELEVATION
(Looking East)



SEC. THRU ABUT.

PILE DATA

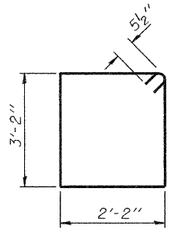
Type: Steel HP10x57
Nominal Required Bearing: 292 Kips
Factored Resistance Available: 146 Kips
Est. Length: 62'
No. Production Piles: 6
No. Test Piles: 0



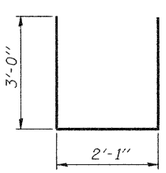
PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	56	#6	11'-0"	——
h1(E)	4	#5	12'-3"	——
p(E)	9	#7	42'-10"	——
s2(E)	43	#5	11'-7"	☐
u(E)	8	#6	8'-1"	⊐
v1(E)	87	#5	4'-4"	——
v2(E)	12	#5	12'-7"	——
v3(E)	12	#5	7'-9"	——
Structure Excavation		Cu. Yd.	88	
Concrete Structures		Cu. Yd.	19.3	
Reinforcement Bars, Epoxy Coated		Pound	3030	
Furnishing Steel Piles HP10x57		Foot	372	
Driving Piles		Foot	372	
Concrete Encasement		Cu. Yd.	2.1	
Anchor Bolts, 1" ϕ		Each	12	

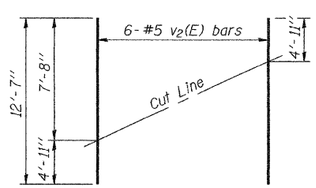


BAR s2(E)

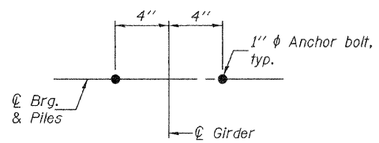


BAR u(E)

Notes: Pour steps monolithically with cap.
For details of piles and concrete encasement, see sheet 27 of 32.
If h(E) bars interfere with steel H-piles, cut h(E) bars to fit and maintain min. 2'-2" embedment.



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



DETAIL A

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

Sep. 30, 2008
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

EAST ABUTMENT (W.B.)
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1
BUREAU COUNTY
STATION 400+22.07
STRUCTURE NO. 006-0165 (E.B.)
STRUCTURE NO. 006-0166 (W.B.)

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