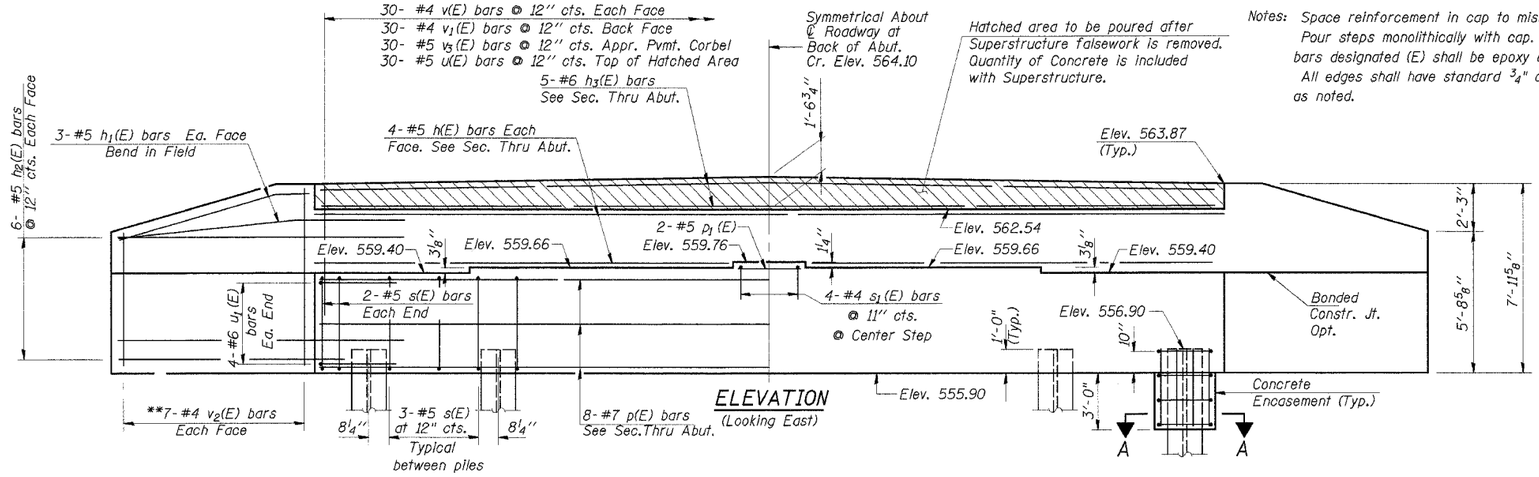
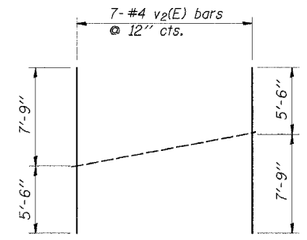
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 429 C.H. 23	94-00087 -00-BR	HANCOCK	43	22
ROAD DIST.	ILLINOIS			

Contract No. 93401
Sheet 16 of 20

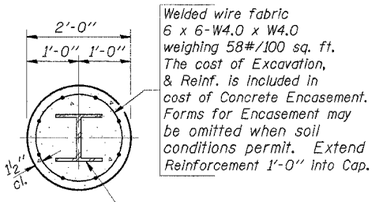
Notes: Space reinforcement in cap to miss anchor bolts. Pour steps monolithically with cap. Reinforcement bars designated (E) shall be epoxy coated. All edges shall have standard $\frac{3}{4}$" chamfers except as noted.



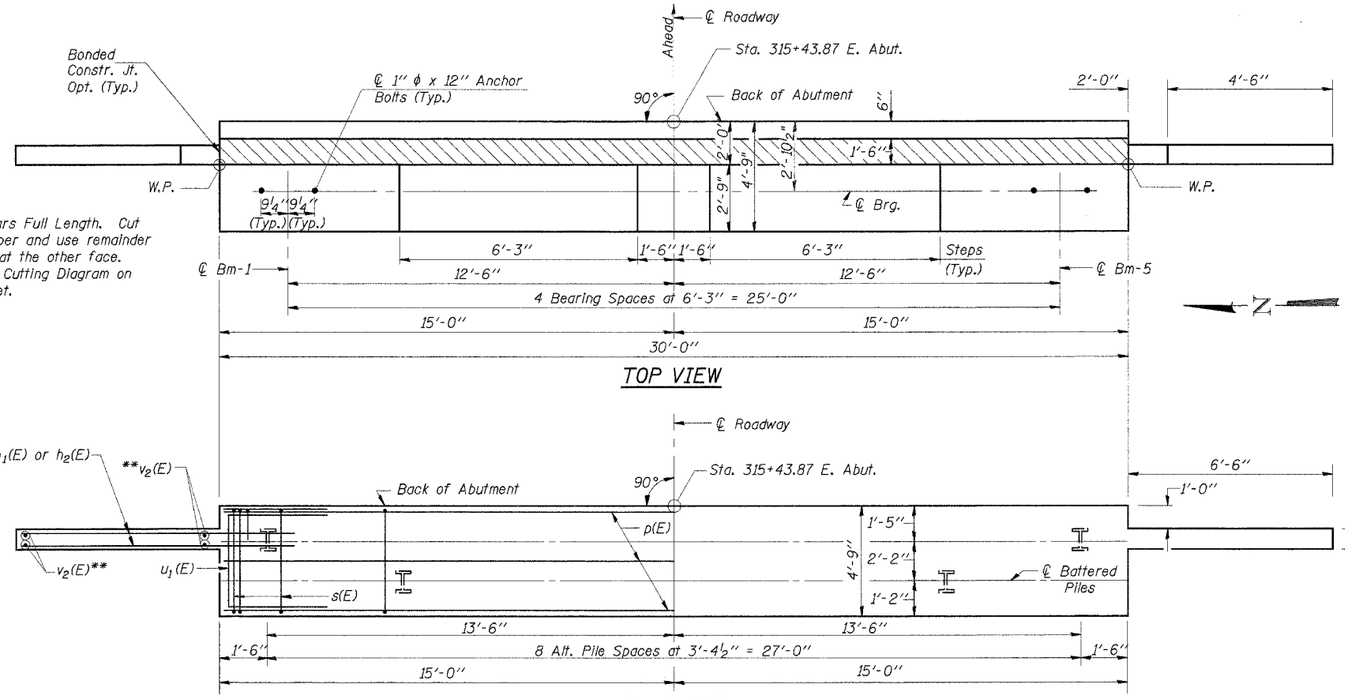
ELEVATION (Looking East)



BAR CUTTING DIAGRAM

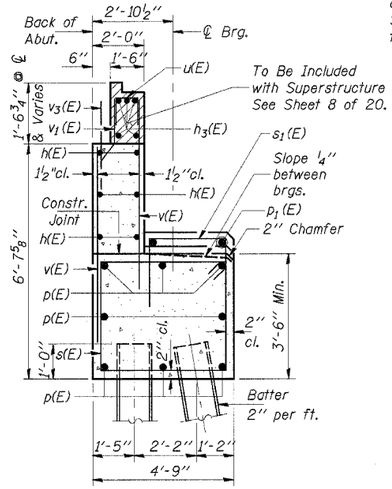


SECTION A-A



TOP VIEW

PLAN-CAP



SEC. THRU ABUT.

** Order Bars Full Length. Cut to fit taper and use remainder of bars at the other face. See Bar Cutting Diagram on this Sheet.

BILL OF MATERIAL

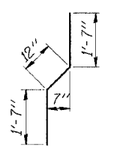
Bar	No.	Size	Length	Shape
h(E)	8	#5	29'-9"	
h_1(E)	12	#5	6'-3"	
h_2(E)	24	#5	8'-0"	
h_3(E)	5	#6	29'-9"	
p(E)	8	#7	29'-8"	
p_1(E)	2	#5	2'-8"	
s(E)	28	#5	16'-1"	
s_1(E)	4	#4	5'-5"	
u(E)	30	#5	3'-7"	
u_1(E)	8	#6	9'-9"	
v(E)	60	#4	6'-3"	
v_1(E)	30	#4	4'-2"	
v_2(E)	14	#4	13'-3"	
v_3(E)	30	#5	3'-0"	
Bridge Seat Sealer		Sq. Ft.	83	
Concrete Structures		Cu. Yd.	29.4	
Reinforcement Bars, Epoxy Coated		Pound	2,510	
Steel Piles HP12x53		Foot	480	
Test Piles Steel HP12x53		Each	1	
Protective Coat		Sq. Yd.	7	
Concrete Encasement		Cu. Yd.	3.1	

DESIGNED	A.R.K.
CHECKED	S.F.M., F.J.S.
DRAWN	S.A.P.
CHECKED	A.R.K., F.J.S.

PILE DATA

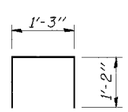
Type: _____ Steel HP12x53
Capacity: _____ Design 35 Ton/Pile
Driven 53 Ton/Pile
Est. Length: _____ 60 Ft/Pile
No. Required: _____ 9*

* Includes 1 Test Pile to be driven to 80 Ton capacity in a permanent location.

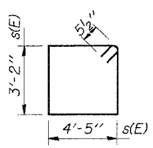


BAR v_1(E)

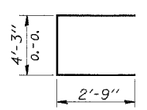
BAR s_1(E)



BAR u(E)



BAR s(E)



BAR u_1(E)

EAST ABUTMENT

SECTION 94-00087-00-BR
COUNTY HIGHWAY 23 - FAS ROUTE 429
HANCOCK COUNTY
STA. 313+34

4440 ASH GROVE
SPRINGFIELD, IL 62711
(217) 793-8600
oasinc@famvid.com

OZYURT AND STONE, INC.
CONSULTING ENGINEERS

JOB NO.: 0319
FILE: 0319ABUT2.DGN
DATE: 10/12/05