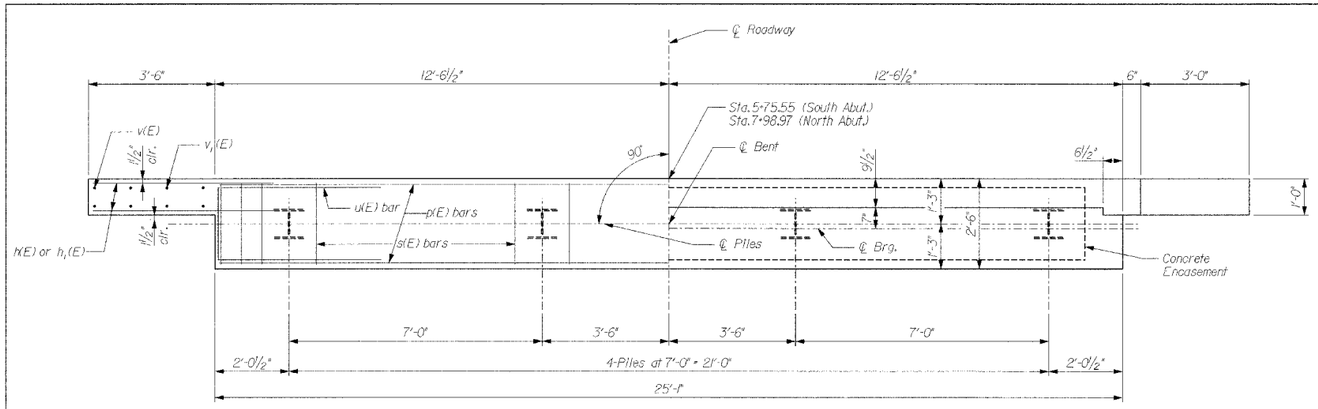
93421

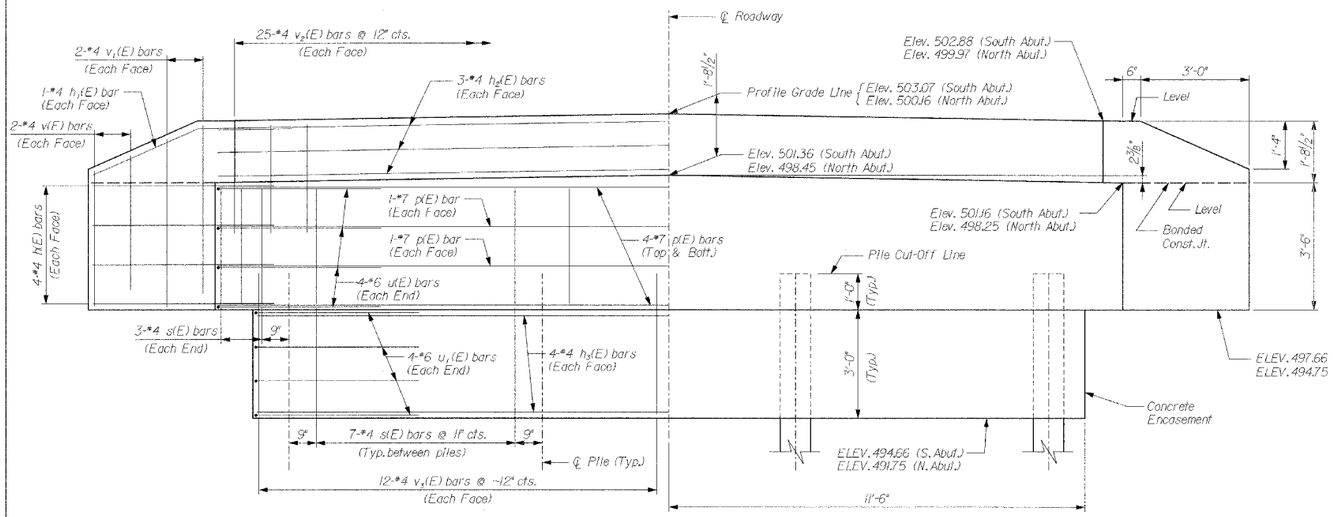
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CR 603	02-23118-00-BR	ADAMS	13	11
STA. 4+70.00		TO STA. 10+16.18		
FED. ROAD DIST. NO. 6	ILLINOIS	FED. AID PROJECT		

BRIDGE PLANS SHEET 6 OF 8



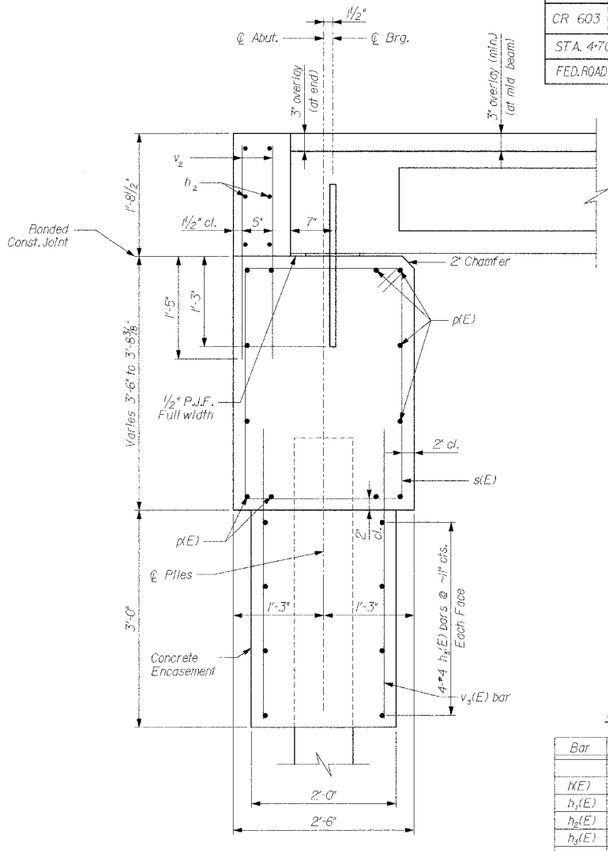
ABUTMENT PLAN

Symmetrical About Centerline



ABUTMENT ELEVATION

Symmetrical About Centerline



SECTION THROUGH ABUTMENT

MIN. BAR LAP

#4	2'-0"
#6	4'-6"

BILL OF MATERIAL FOR ONE ABUTMENT

Bar	No.	Size	Length	Shape
h(E)	16	#4	5'-0"	
h_1(E)	4	#4	5'-9"	
h_2(E)	6	#4	24'-9"	
h_3(E)	8	#4	22'-9"	
p(E)	12	#7	24'-9"	
s(E)	27	#4	11'-5"	
u(E)	8	#6	11'-1"	
u_1(E)	8	#6	10'-7"	
v(E)	8	#4	3'-8"	
v_1(E)	8	#4	4'-7"	
v_2(E)	50	#4	3'-0"	
v_3(E)	48	#4	4'-0"	
Concrete Structures		Cu.Yd.	10.9	
Concrete Encasement		Cu.Yd.	5.1	
Reinforcement Bars, Epoxy Coated		Pound	1640	
Piles HP10x42		Foot	490	
Test Pile HP10x42		Each	1	

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

NOTES

1. The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
2. Reinforcement bars shall conform to the requirements of AASHTO. M-31 or M-322, Grade 60.

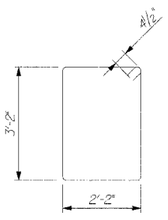
DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi

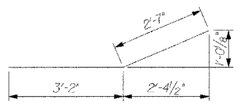
PILE DATA

	S. Abutment	N. Abutment
Type:	HP10x42	HP10x42
Capacity:	Refusal	Refusal
Est. Length:	70 Ft./Pile	70 Ft./Pile
No. Required:	4	4*

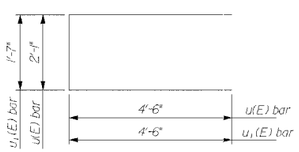
*Includes one test pile HP10x42 driven in a permanent location at the North Abutment.



s(E) bar



h_1(E) bar



u(E) bars

REVISIONS	
NAME	DATE

ABUTMENT DETAILS

CR 603E OVER
BEAR CREEK
SEC 02-23118-00-BR
ADAMS COUNTY
STA 6+87.26
STRUCTURE NUMBER 001-3417

SCALE: VERT. N/A
HORIZ. N/A
DATE: MAY 2006

DRAWN BY JLS
CHECKED BY DSP

PSBA Project No.: R-03-013