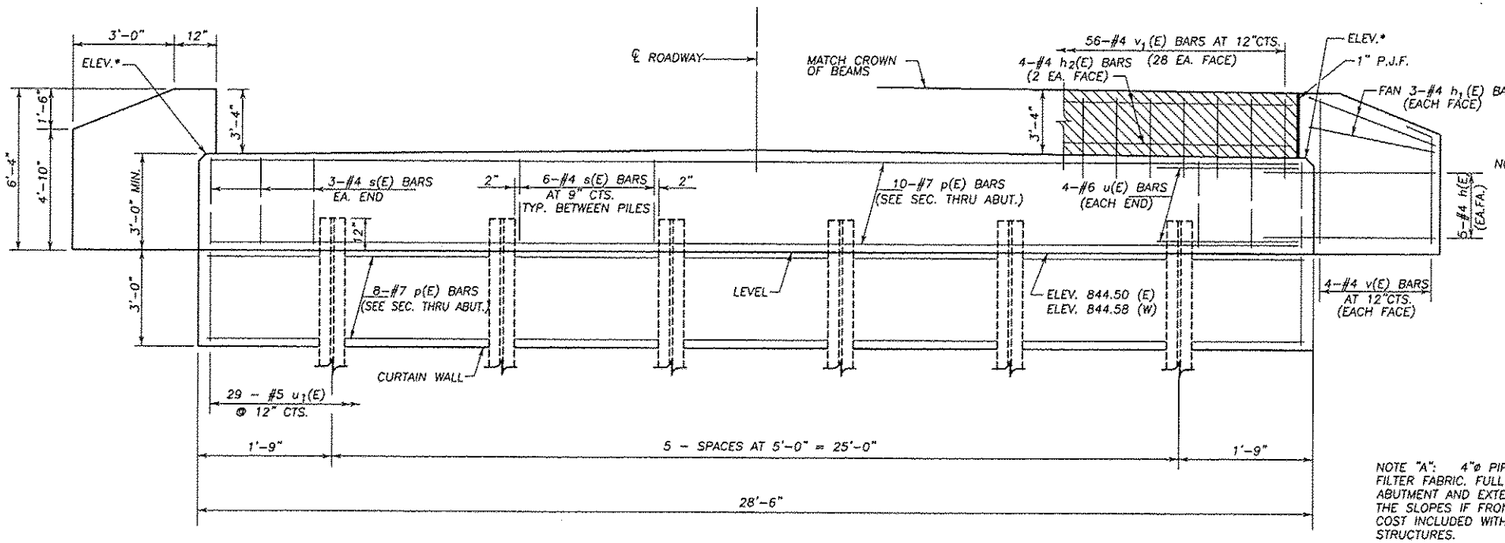
FAS ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
---	*	STEPHENSON	16	9

ILLINOIS PROJECT BROS-0177(044)

* 12-08122-00-BR

CONTRACT NO. 85590



ELEVATION

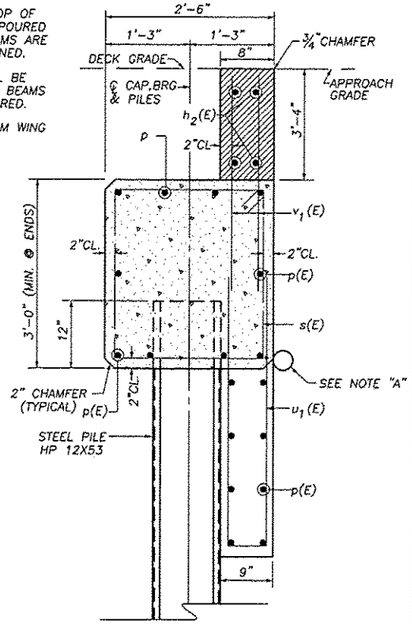
* FOR CAP ELEVATIONS SEE TABLE BELOW

NOTE: WINGWALLS ABOVE TOP OF CAP SHALL NOT BE POURED UNTIL THE DECK BEAMS ARE IN PLACE AND FASTENED.

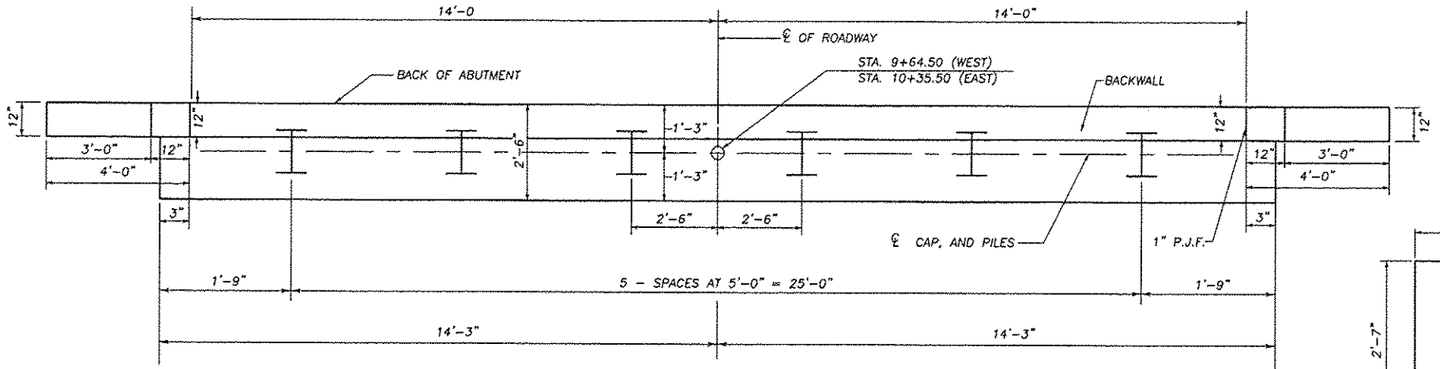
HATCHED AREA SHALL BE POURED AFTER DECK BEAMS ARE SET AND ANCHORED.

WIDTH SHALL BE FROM WING TO WING.

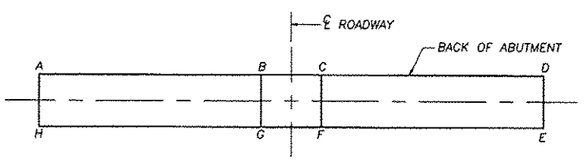
NOTE "A": 4"ø PIPE UNDERDRAIN IN FILTER FABRIC. FULL WIDTH OF ABUTMENT AND EXTEND TO INTERSECT THE SLOPES IF FRONT OF THE CAP. COST INCLUDED WITH CONCRETE STRUCTURES.



SEC. THRU ABUT.
(AT RIGHT ANGLES)



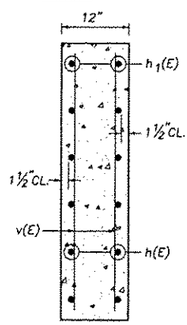
PLAN



ABUTMENT	A	B	C	D	E	F	G	H
W	847.55	847.74	847.74	847.55	847.55	847.74	847.74	847.55

ABUTMENT	A	B	C	D	E	F	G	H
E	847.74	847.66	847.66	847.74	847.74	847.66	847.66	847.74

ELEVATION TOP OF ABUTMENTS



SECTION THRU WINGWALL

PILE DATA INFORMATION

TYPE AND SIZE: STEEL PILES HP 12X53

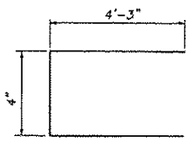
NOMINAL REQUIRED BEARING: REFUSAL

NO. REQUIRED : 5+1 TEST PILE EACH ABUTMENT

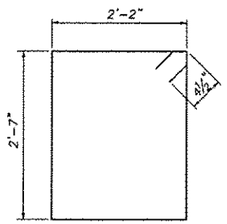
EST. LENGTH: 52' - W. ABUT. ; 59' - E. ABUT.

MIN. PENETRATION 20' BELOW S.B.E.

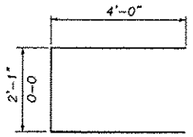
STEEL PILES SHALL BE ACCORDING TO ASTM A 252 GRADE 3



BAR u1(E)



BAR s(E)



BAR u(E)

BILL OF MATERIAL — 2 ABUTMENTS

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	40	#4	6'-0"	
h_1(E)	24	#4	3'-8"	
h_2(E)	8	#4	27'-6"	
p(E)	36	#7	28'-3"	
s(E)	72	#4	10'-3"	
u(E)	16	#6	10'-1"	
u_1(E)	58	#5	8'-10"	
v(E)	32	#4	6'-0"	
v_1(E)	112	#4	5'-2"	
CONCRETE STRUCTURES			CU. YD.	29.2
REINFORCEMENT BARS (EPOXY CTD.)			POUND	4230
STEEL PILE HP 12X53			FOOT	555
DRIVING PILES			FOOT	555
TEST PILE STEEL PILE HP 12X53			EACH	2

S.N. 089-3287
SUBSTRUCTURE ABUTMENTS
SECTION 12-08122-00-BR
STEPHENSON COUNTY

SB-1A

SCALE: 1"=

REVISIONS

DESIGNED BY	DRAWN BY	CHECKED BY	SERVICE BY	APPROVED
DAB	BDS	SUBSTRUCTURE ABUTMENTS		

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SUBSTRUCTURE ABUTMENTS
OF
WEST DAMEIER ROAD BRIDGE
FOR
STEPHENSON COUNTY

SHEET TITLE
ABUTMENTS

JOB NUMBER 2120191

DATE 4/01/2013

SHEET NO. 9 of 16