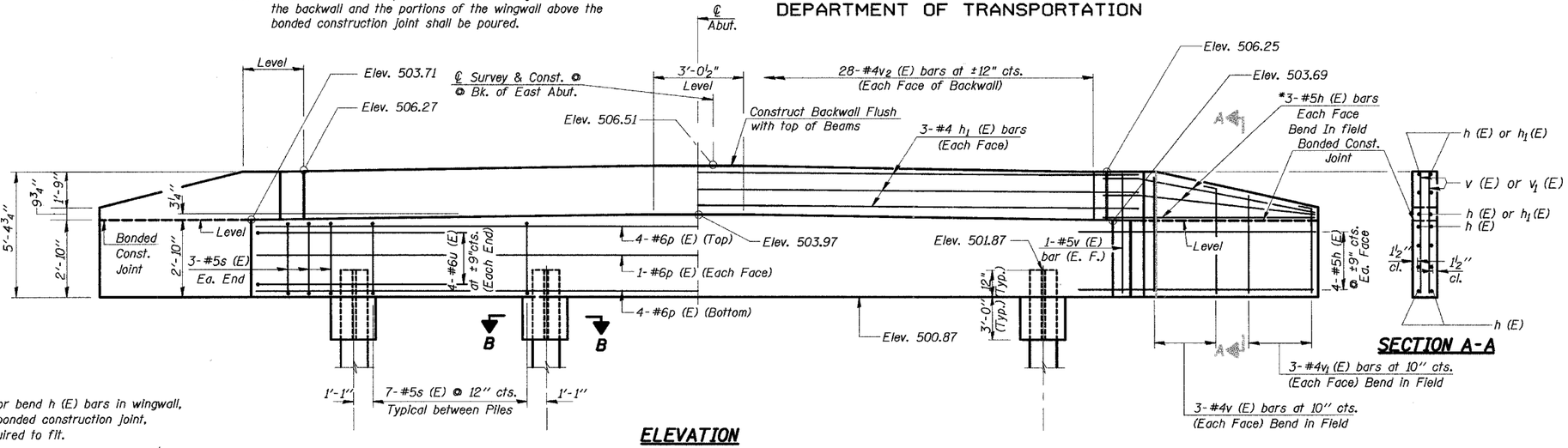
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
167	04-01225-00-BR	WILLIAMSON	16	9
STA 12+00		STA 18+50		
ROAD DIST.	ILLINOIS			

CONTRACT No. 99299

Sheet 6 of 9

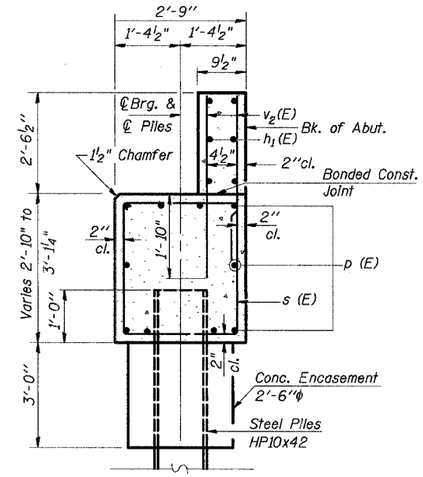
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE: After beams are in place and dowel rods grouted, the backwall and the portions of the wingwall above the bonded construction joint shall be poured.

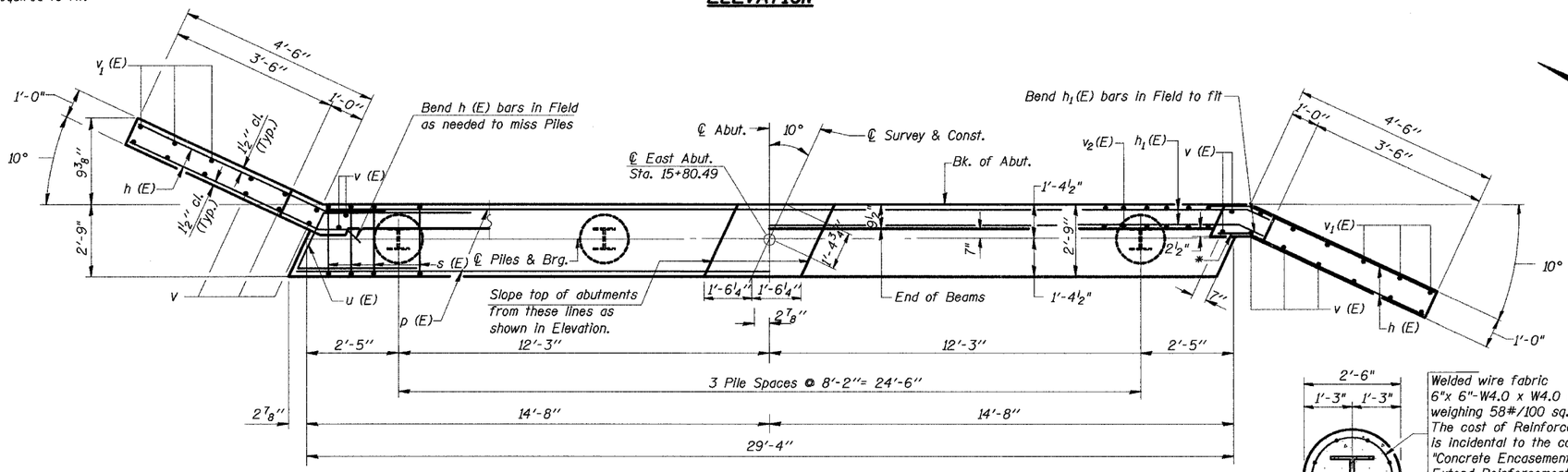


ELEVATION

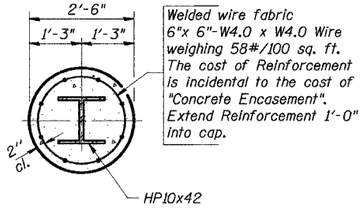
* Cut or bend h (E) bars in wingwall, above bonded construction joint, as required to fit.



SECTION THRU ABUTMENT
(At Right ∠'s)



PLAN



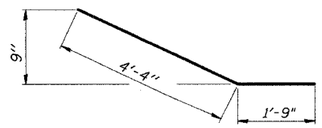
Welded wire fabric 6"x 6"-W4.0 x W4.0 Wire weighing 58#/100 sq. ft. The cost of Reinforcement is incidental to the cost of "Concrete Encasement". Extend Reinforcement 1'-0" into cap.

SECTION B-B
PILE ENCASEMENT DETAIL

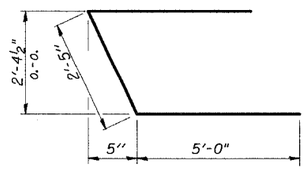
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h (E)	28	#5	6'-1"	
h1(E)	6	#4	29'-0"	
p (E)	10	#6	29'-0"	
s (E)	27	#5	10'-9"	
u (E)	8	#6	12'-5"	
v (E)	16	#4	5'-0"	
v1(E)	12	#4	4'-0"	
v2(E)	56	#4	4'-3"	

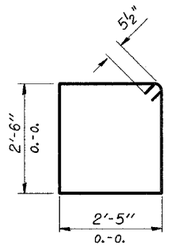
Concrete Structures	Cu. Yd.	12.6
Reinforcement Bars, Epoxy Coated	Pound	1,430
Steel Piles HP10x42	Foot	100
Concrete Encasement	Cu. Yd.	2.2
Structure Excavation	Cu. Yd.	31
Metal Shoes	Each	4



BAR h (E)



BAR u (E)



BAR s (E)

PILE DATA

Type ..... Steel HP10x42 with Metal Shoes
No. Req'd. 4
Capacity ..... Drive to Refusal
Est. Length ..... 25 Feet

EAST ABUTMENT
TR 167 OVER
ICG RAILROAD
WILLIAMSON COUNTY
SECTION 04-01225-00-BR

HURST-ROSCHE ENGINEERS, INC.
CONSULTING ENGINEERS & ARCHITECTS
1805 INDUSTRIAL PARK DRIVE
MARION, ILLINOIS 62959

DESIGNED: MEB	CHECKED: JSP
DRAWN: DEG	CHECKED: MEB

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