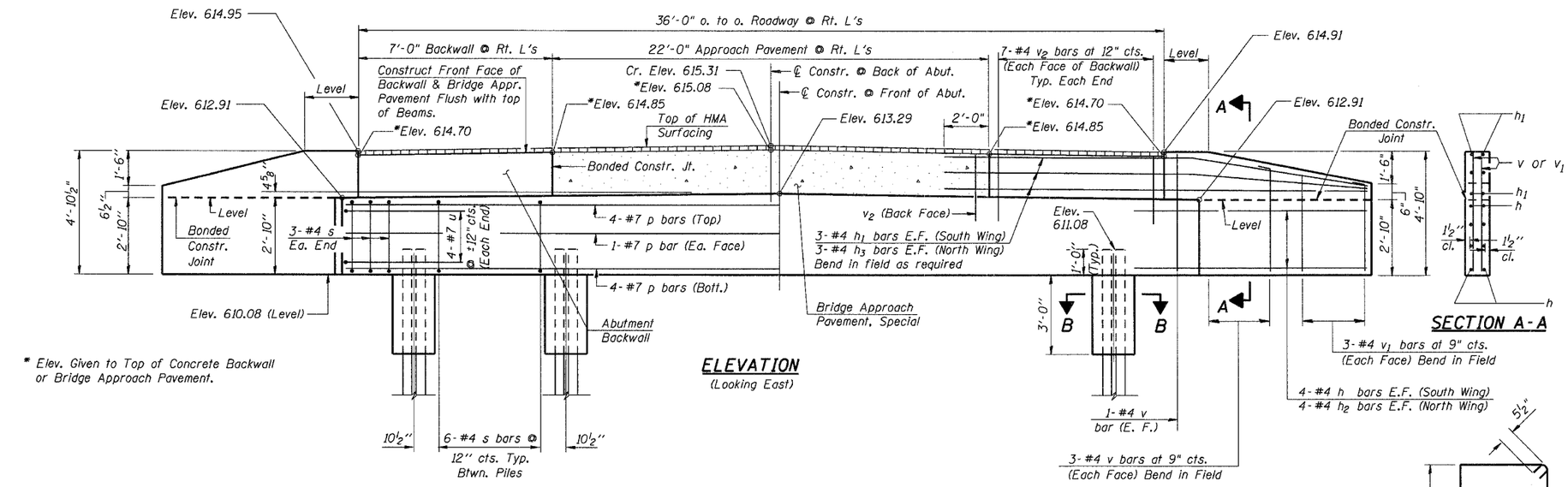
93458

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 8	07-00092-01-BR	SANGAMON	24	18

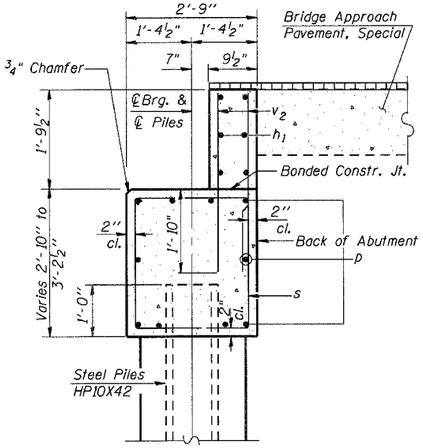
Sheet 7 of 8



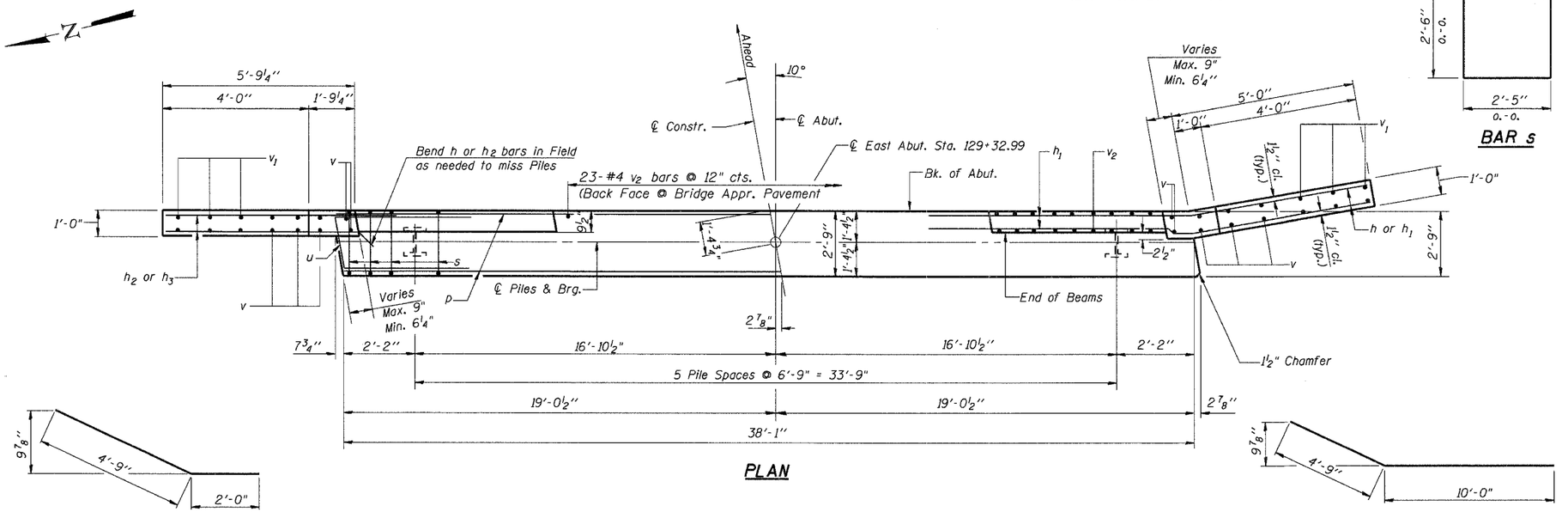
* Elev. Given to Top of Concrete Backwall or Bridge Approach Pavement.

ELEVATION
(Looking East)

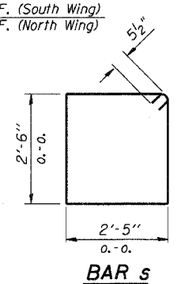
SECTION A-A



SECTION THRU ABUTMENT
(At Right L's, Showing Backwall, Omit Backwall at Bridge Approach Pavement)



PLAN



BAR s

BAR h

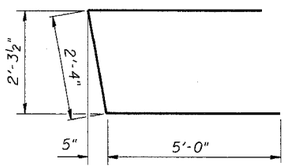
BAR h1

BILL OF MATERIAL - EAST ABUT.

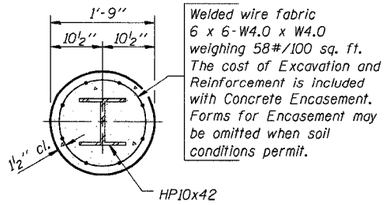
BAR	NO.	SIZE	LENGTH	SHAPE
h	8	#4	6'-9"	
h1	6	#4	14'-9"	
h2	8	#4	7'-0"	
h3	6	#4	12'-6"	
p	10	#7	37'-9"	
s	36	#4	10'-9"	
u	8	#7	12'-4"	
v	16	#4	4'-5"	
v1	12	#4	3'-7"	
v2	51	#4	3'-5"	
Concrete Structures		Cu. Yd.	14.1	
Reinforcement Bars		Pound	1610	
Steel Piles HP10X42		Foot	160	
Test Pile Steel HP10X42		Each	1	
Structure Excavation		Cu. Yd.	55	
Concrete Encasement		Cu. Yd.	1.5	

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.

DESIGNED	T.S.H.
CHECKED	A.A.N.
DRAWN	A.J.H.
CHECKED	M.D.C.

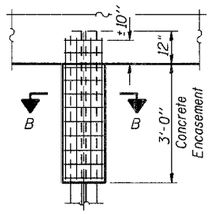


BAR u



Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ft. The cost of Excavation and Reinforcement is included with Concrete Encasement. Forms for Encasement may be omitted when soil conditions permit.

SECTION B-B



PILE DATA

Type: Steel HP10x42
Nominal Required Bearing: 335 kips (Refusal)
Allowable Resistance Available: 112 kips
No. Required: 6 piles **
Estimated Length: 32 ft. @ E Abut.

Note:

The Steel H-Piles shall be according to AASHTO M270 Grade 50.

** Includes one steel test piles HP10x42 to be driven in a permanent location at the East Abut. as directed by the Engineer before ordering the remainder of piles. The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

EAST ABUTMENT

C.H. 8 OVER SPRING CREEK
SECTION 07-00092-01-BR
SANGAMON COUNTY
STA. 128+68

CUMMINS ENGINEERING CORPORATION

JOB #: 2187
FILE: 2187ABUTS
DATE: 2/7/08