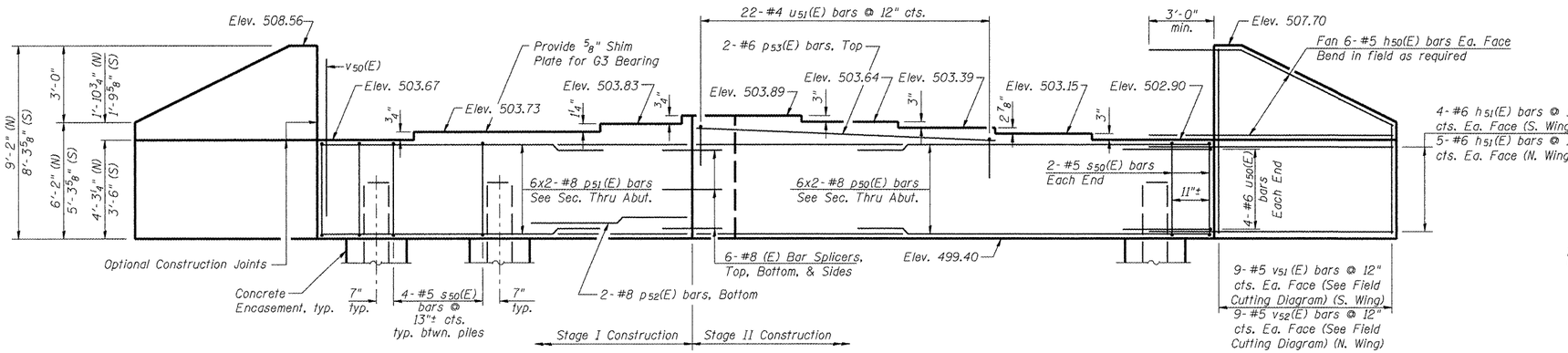
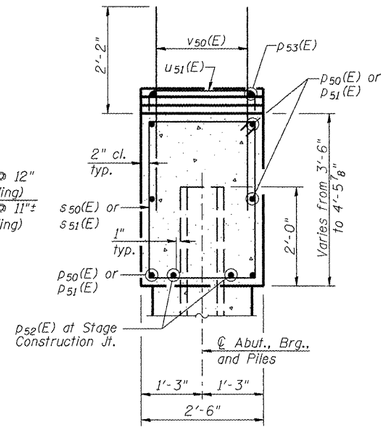
Notes: Pour steps monolithically with cap.
See Sht. 16 of 33 for Anchor Bolt Placement.
Space reinforcement to miss anchor bolts.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

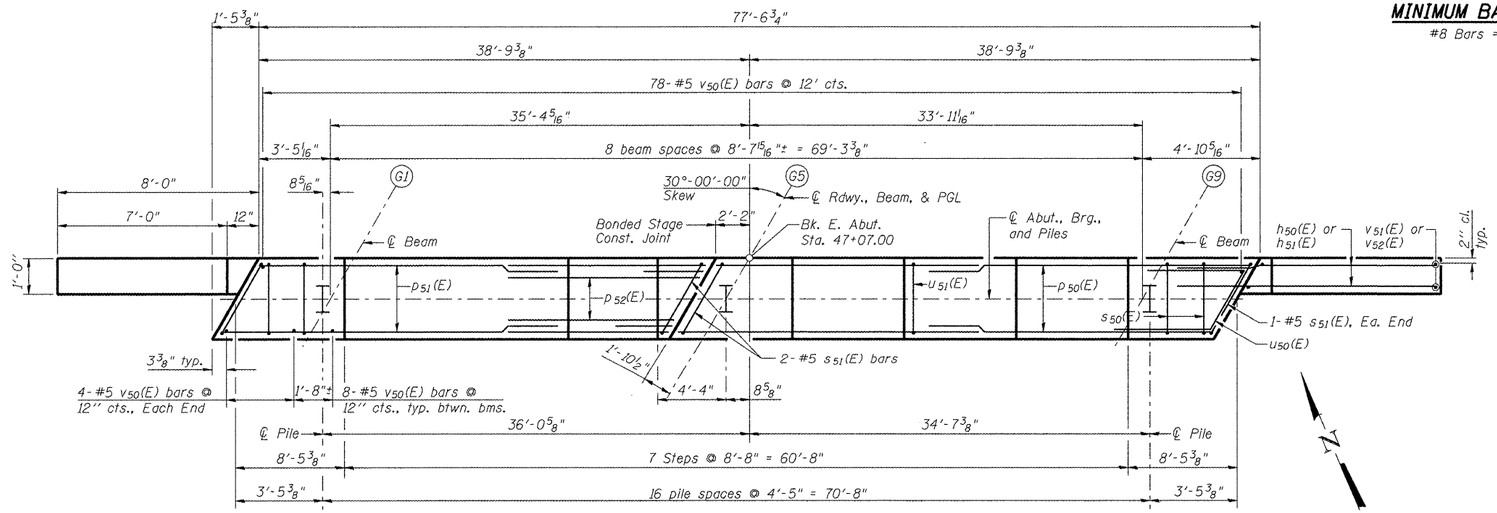


ELEVATION



SECTION THRU ABUTMENT

(At Right Angles)



PLAN

MINIMUM BAR LAPS

#8 Bars = 6'-4"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_{50}(E)$	24	#5	11'-6"	——
$h_{51}(E)$	18	#6	11'-7"	——
$p_{50}(E)$	12	#8	23'-6"	——
$p_{51}(E)$	12	#8	21'-4"	——
$p_{52}(E)$	2	#8	15'-6"	——
$p_{53}(E)$	2	#6	24'-3"	——
$s_{50}(E)$	68	#5	11'-7"	□
$s_{51}(E)$	4	#5	12'-3"	□
$u_{50}(E)$	8	#6	7'-10"	⌐
$u_{51}(E)$	22	#4	5'-2"	⌐
$v_{50}(E)$	150	#5	4'-4"	——
$v_{51}(E)$	9	#5	13'-0"	——
$v_{52}(E)$	9	#5	14'-8"	——
Structure Excavation		Cu. Yd.	172.9	
Concrete Structures		Cu. Yd.	34.1	
Reinforcement Bars, Epoxy Coated		Pound	4,170	
Furnishing Steel HP10x42 Piles,		Foot	748	
Driving Piles		Foot	748	
Concrete Encasement		Cu. Yd.	6.0	

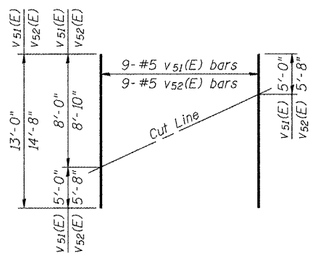
Notes:

1. For Bar Splicer Details, see Sht. 23 of 33.

2. For Pile Details and Concrete Encasement Details, see Sht. 22 of 33.

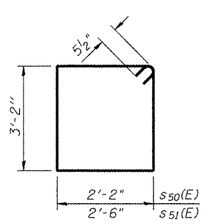
PILE DATA

Type: Steel HP 10x42
Nominal Required Bearing: 244 K
Factored Resistance Available: 122 K
Est. Length: 44 feet
No. Production Piles: 17
No. Test Piles: 0

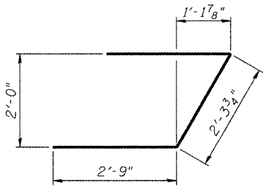


FIELD CUTTING DIAGRAM

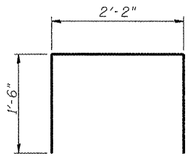
Order $v_{51}(E)$ and $v_{52}(E)$ full length. Cut as shown and use remainder of bars in opposite face.



BARS $s_{50}(E)$ & $s_{51}(E)$



BAR $u_{50}(E)$



BAR $u_{51}(E)$

EAST ABUTMENT DETAILS AIRPORT ROAD OVER U.P.R.R. AND KICKAPOO CREEK TRIBUTARY STATION 45+42.00

DESIGNED	LLV
CHECKED	PJL
DRAWN	MGM
CHECKED	LLV

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IL Design Firm Reg.
No. 184-001518
www.stsconsultants.com

SHEET NO. 18 OF 33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6578	(1-R)RS(1-VC)BR	PEORIA	142	78
STRUCTURE NO. 072-0201		CONTRACT NO. 68092		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

12/5/2008 2:29:33 PM L:\8305691\WOrk\0 SN 072-0201\SDN\0072-0201.dgn