



**FIELD CUTTING DIAGRAM**  
 Order v211(E) full length. Cut as shown and use remainder of bars in opposite face.

**NORTH ABUTMENT (S.B.)  
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
h210(E)	38	#7	8'-8"	—	
h211(E)	2	#4	43'-11"	—	
h212(E)	6	#6	8'-8"	—	
p210(E)	24	#8	42'-10"	—	
s212(E)	88	#6	12'-0"	□	
s213(E)	1	#6	12'-3"	□	
s214(E)	44	#4	4'-2"	□	
u210(E)	4	#6	7'-1"	┌	
u211(E)	4	#6	7'-0"	└	
v210(E)	148	#5	4'-4"	—	
v211(E)	5	#5	20'-7"	—	
Structure Excavation				Cu. Yd.	183
Concrete Structures				Cu. Yd.	29.7
Concrete Encasement				Cu. Yd.	8.2
Reinforcement Bars, Epoxy Coated				Pound	6,150
Furnishing Steel Piles HP14x89				Foot	756
Driving Piles				Foot	756
Test Pile Steel HP14x89				Each	1

**Notes:**  
 Four steps monolithically with cap.  
 Space reinforcement to miss anchor bolts.  
 See Sheet 2 of 75 for abutment backfill requirements.  
 See Sheet 66 of 75 for steel H-pile and Concrete Encasement details.

**CMT**  
 CRAWFORD MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 SPRINGFIELD, ILL. ■ AUBURN, ILL. ■ ST. LOUIS, MO  
 ROCKFORD, ILL. ■ PEORIA, ILL. ■ CHICAGO, ILL.

FILE NAME = ...57-040-NORTH ABUT_SB.dgn	USER NAME = Rob Heady	DESIGNED - JDJ	REVISIONS -
		CHECKED - REB	REVISIONS -
		DRAWN - GLD	REVISIONS -
		CHECKED - REB	REVISIONS -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTH ABUTMENT  
 STRUCTURE NO. 100-0089 (S.B.)**  
 SHEET NO. 50 OF 75 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6-2)HKB-2	WILLIAMSON	968	635
				CONTRACT NO. 78182
ILLINOIS FED. AID PROJECT				

\* Cost included in Concrete Structures.  
 \*\* Out-to-out dimensions include 2" allowance for Form Liner on parapet.