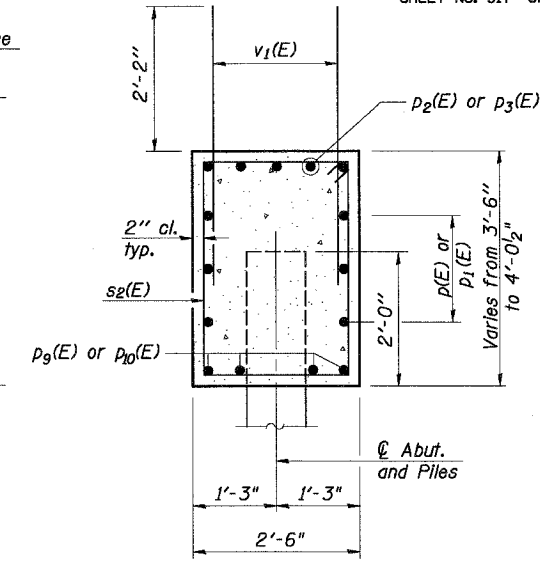
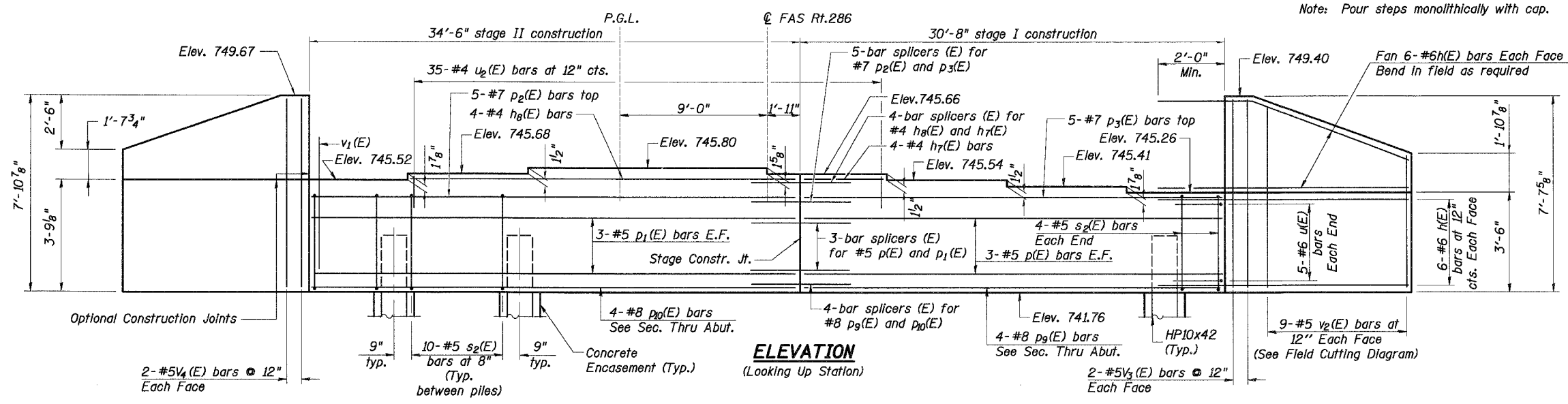
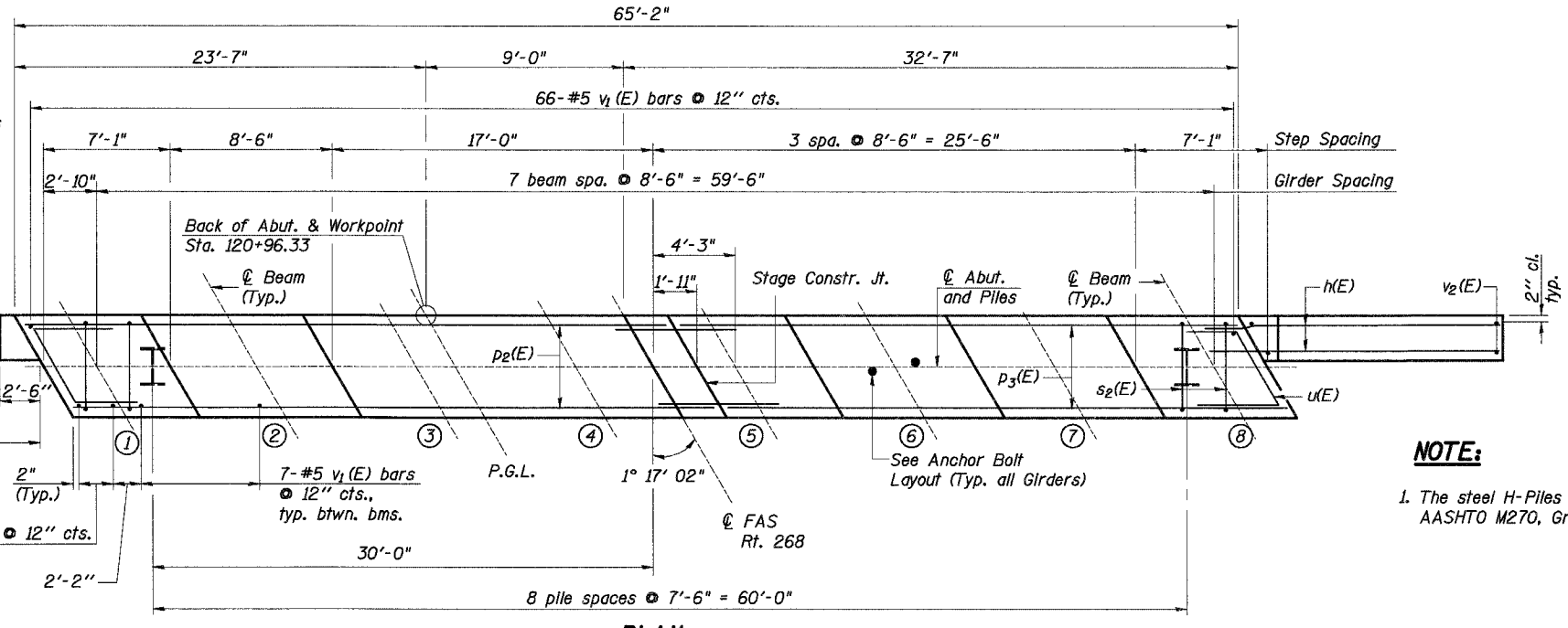


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-5HBK-2	LASALLE	331	145
STA. 105+00		TO STA. 136+00		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT
SHEET NO. 517 OF 522				



**PILE DATA**

Type: HP10x42  
 Nominal Required Bearing: 315 kips  
 Allowable Resistance Available: 105 kips  
 Est. Length: 42'  
 No. Required: 8  
 Test Piles: 1

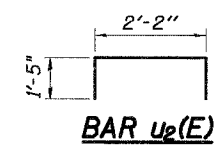
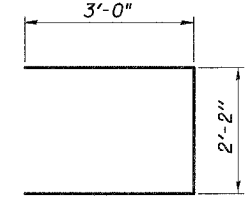
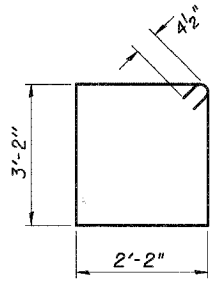
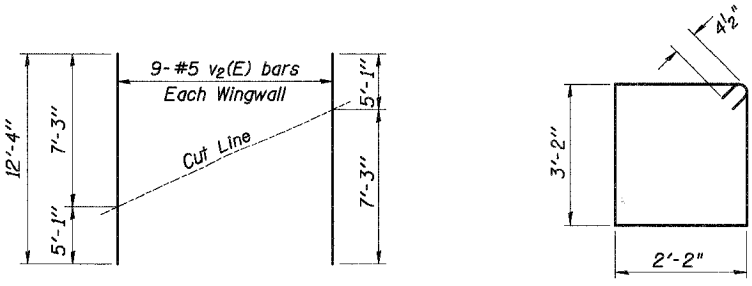
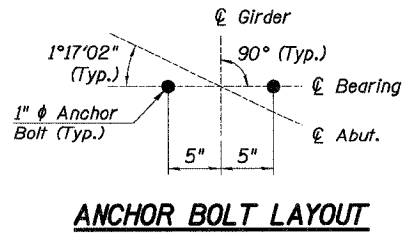


**SEC. THRU ABUT.**

**BILL OF MATERIAL**

Bar	No.	Size	Length (ft)	Shape
h(E)	48	# 6	12'-1"	—
h7(E)	4	# 4	6'-3"	—
h8(E)	4	# 4	27'-1"	—
p(E)	6	# 5	30'-4"	—
p1(E)	6	# 5	34'-2"	—
p2(E)	5	# 7	34'-2"	—
p3(E)	5	# 7	30'-4"	—
p9(E)	4	# 8	30'-4"	—
p10(E)	4	# 8	34'-2"	—
s2(E)	88	# 5	11'-5"	□
u(E)	10	# 6	8'-2"	□
u2(E)	35	# 4	5'-0"	□
v1(E)	119	# 5	4'-4"	—
v2(E)	18	# 5	12'-4"	—
v3(E)	4	# 5	7'-3"	—
v4(E)	4	# 5	7'-6"	—
Concrete Structures		Cu. Yd.	28	
Reinforcement Bars, Epoxy Coated		Pound	4,830	
Structure Excavation		Cu. Yd.	347	
Bar Splicers		Each	19	

**NOTE:**  
 1. The steel H-Piles shall be according to AASHTO M270, Grade 50.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**NORTH ABUTMENT**  
 MARSEILLES ROAD (FAS Rt. 268)  
 OVER I-80 (F.A.I. ROUTE 80)  
 STRUCTURE NUMBER 050-0245  
 LA SALLE COUNTY SECTION 50-5HBK-2  
 STATION 120+00.08 DRAWN: DM  
 DATE: 11/16/07 DESIGNED: DM CHECKED: KZ

**Baker**  
 Baker Engineering, Inc.

h:\107496\3.0 deliverables\3.0 structure\Drawings\Final\North Abut.dgn  
 11/16/2007