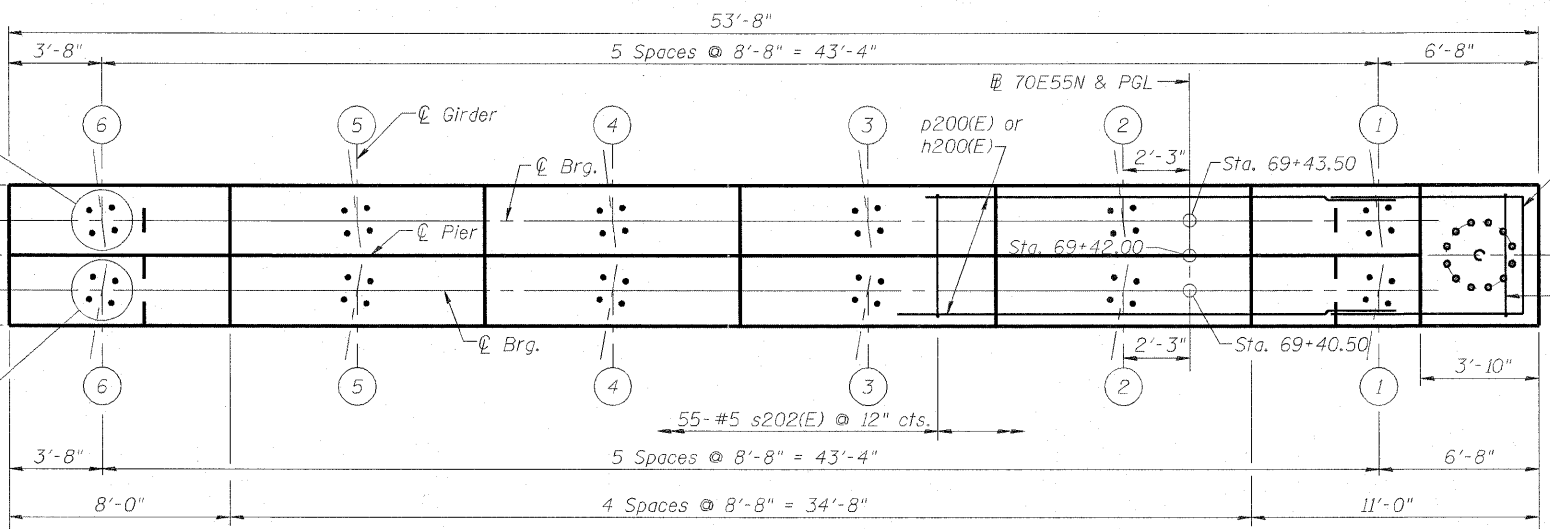


**TOP OF SEAT ELEVATION**

GIRDER	UNIT 3	UNIT 4
1	447.46	447.39
2	446.95	446.88
3	446.45	446.38
4	445.95	445.88
5	445.45	445.38
6	444.94	444.87

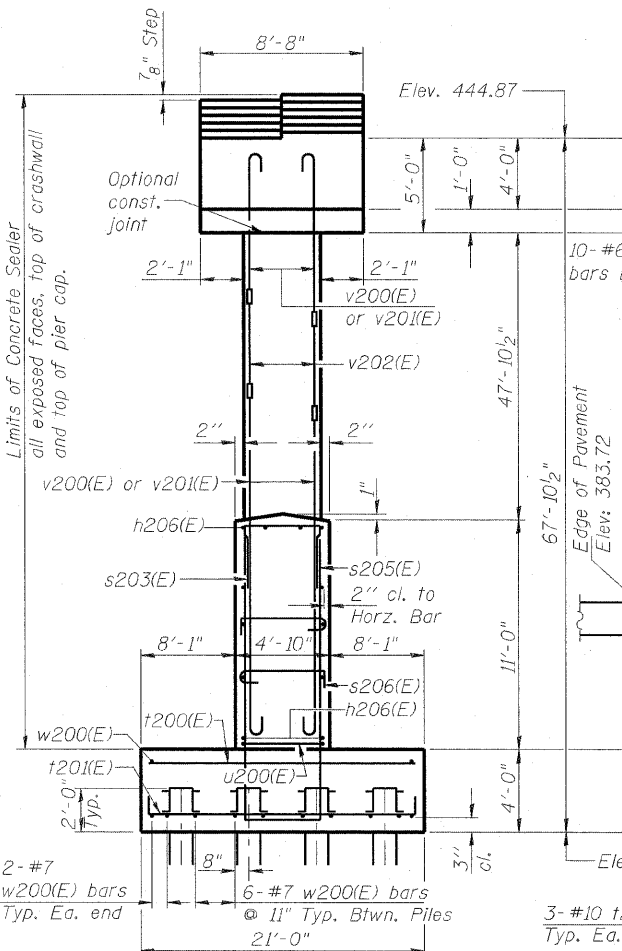
See Anchor Bolt Location Detail, Typical Girders 1 - 6  
 @ of Bearing Sta. 69+43.50

See Anchor Bolt Location Detail, Typical Girders 1 - 6  
 @ of Bearing Sta. 69+40.50

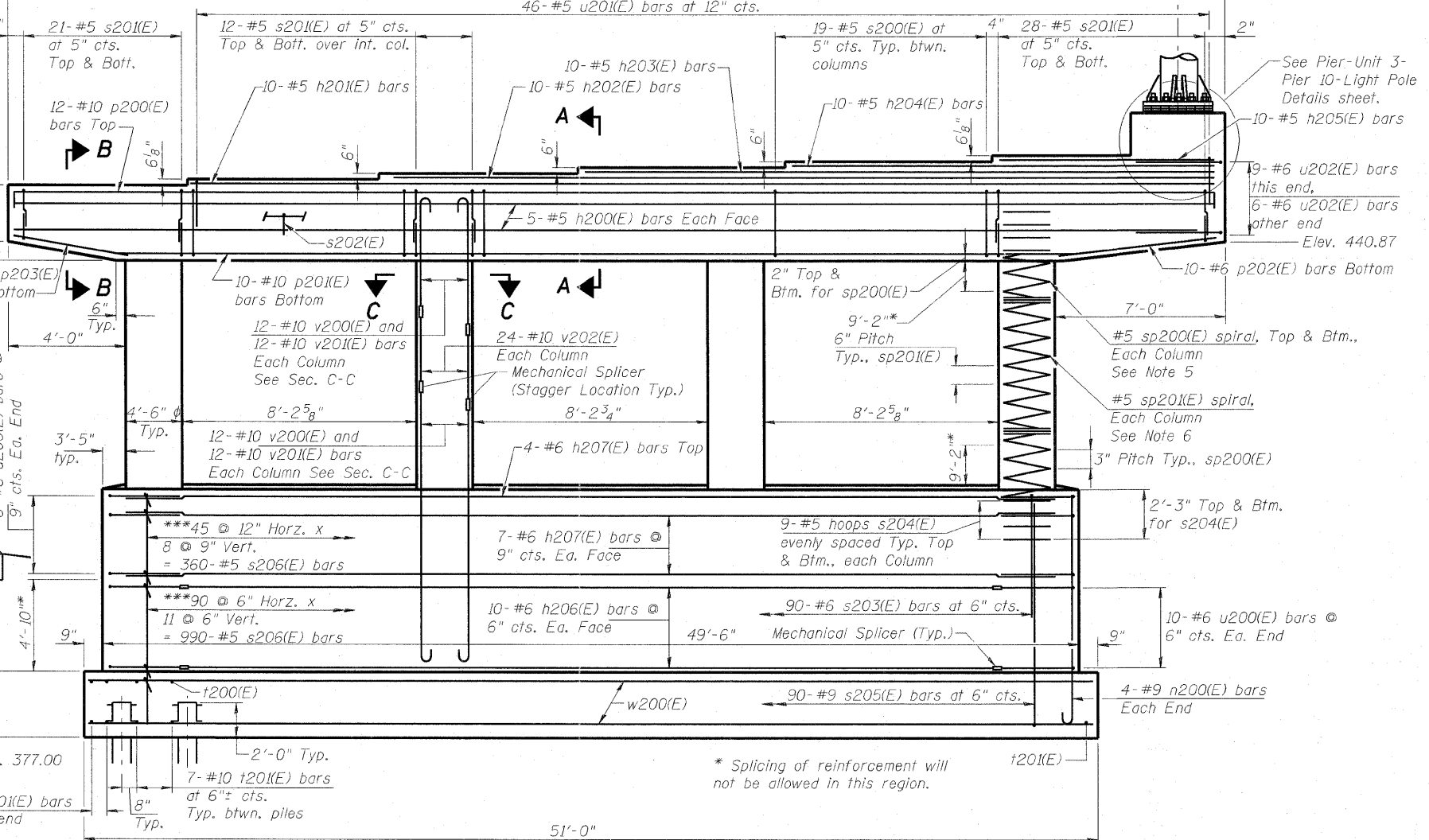


**TOP PLAN**

@ Sign Structure  
 See Cantilever Sign Structure sheets.



**END VIEW**



**ELEVATION**

(Looking Up Station)

\*\*\*Both hooks of s206(E) bars shall engage horiz. & vert. bars and 90° hook on two successive s206(E) bars on same vert. bar shall be alternated end for end. Includes row of s206(E) bars on the top mat of pier cap.

- Notes:
1. Space reinforcement in cap to miss anchor bolts.
  2. Pour steps monolithically with cap.
  3. For details of piles, see sheet S-234.
  4. @ of Pier is radial to @ 70E55N at Sta. 69+42.00.
  5. Provide 1/2 extra turns, shop welded together per AWS D1.4 top and bottom. Extend spiral 2" into pier cap & crashwall. Provide 4-#4 spacers or equivalent.
  6. When splicing sp200(E) to sp201(E), the spirals shall be provided with 1/2 extra turns at the ends to be spliced. These additional turns shall either be welded together according to AWS D1.4, or shall both terminate with a 135° standard hook.
  7. Contractor shall use Mechanical Splicers in columns that will fit between spirals.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h200(E)	10	#5	53'-4"	—
h201(E)	10	#5	45'-4"	—
h202(E)	10	#5	36'-8"	—
h203(E)	10	#5	28'-0"	—
h204(E)	10	#5	19'-4"	—
h205(E)	10	#5	10'-8"	—
h206(E)	20	#6	32'-8"	—
h207(E)	18	#6	44'-8"	—
n200(E)	8	#9	15'-9"	U
p200(E)	12	#10	57'-0"	]
p201(E)	10	#10	43'-8"	]
p202(E)	10	#6	10'-3"	]
p203(E)	10	#6	7'-3"	]
s200(E)	57	#5	26'-11"	]
s201(E)	146	#5	15'-8"	]
s202(E)	55	#5	9'-9"	]
s203(E)	90	#6	8'-10"	]
s204(E)	72	#5	13'-1"	]
s205(E)	90	#9	33'-4"	]
s206(E)	1350	#5	6'-0"	]
** sp200(E)	8	#5	10'-4"	]
** sp201(E)	4	#5	27'-7"	]
t200(E)	62	#7	20'-8"	]
t201(E)	90	#10	24'-4"	]
u200(E)	20	#6	19'-1"	]
u201(E)	46	#5	17'-4"	]
u202(E)	15	#6	14'-3"	]
u203(E)	6	#9	23'-4"	]
u204(E)	8	#6	14'-10"	]
u205(E)	12	#9	18'-6"	]
u206(E)	16	#6	16'-5"	]
v200(E)	96	#10	24'-5"	]
v201(E)	96	#10	22'-5"	]
v202(E)	96	#10	18'-0"	]
w200(E)	44	#7	50'-8"	—
Structure Excavation		Cu. Yd.	560.2	
Concrete Structures		Cu. Yd.	477.7	
Reinforcement Bars, Epoxy Coated		Pound	89,920	
Furnishing Steel Piles HP 12x63		Foot	4,108	
Driving Piles		Foot	4,108	
Pile Shoes		Each	52	
Mechanical Splicers		Each	232	
Concrete Sealer		Sq. Ft.	5,744	

**PILE DATA**

Type: HP 12x63  
 Nominal Required Bearing: 400 kips  
 Factored Resistance Available: 200 kips  
 Est. Length: 79'  
 No. Production Piles: 52  
 No. Test Piles: 0

\*\* Length is height of spiral.  
 See next sheet for Bar Details and Sections.



USER NAME =  
 PLOT SCALE = 0.186667" / IN.  
 PLOT DATE = 8/15/2011

DESIGNED - DDB	REVISED -
DRAWN - BRD	REVISED -
CHECKED - LLV	REVISED -
DATE - 08-12-11	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PIER - UNIT 3 - PIER 10 - PLANS & ELEVATIONS  
 I-70E OVER I-55, CSX & KCS RAILROADS

SCALE: SHEET S-166 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	293
S.N. 082-0322 & S.N. 082-0324			CONTRACT NO. 76C76	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				