

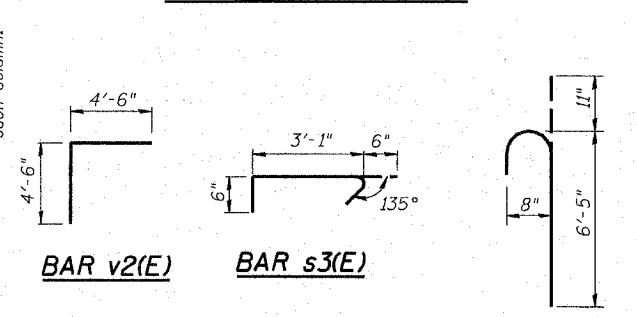
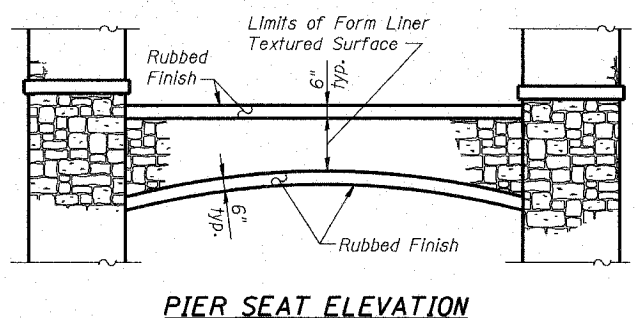
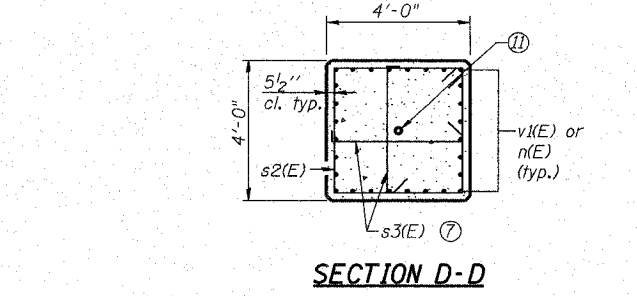
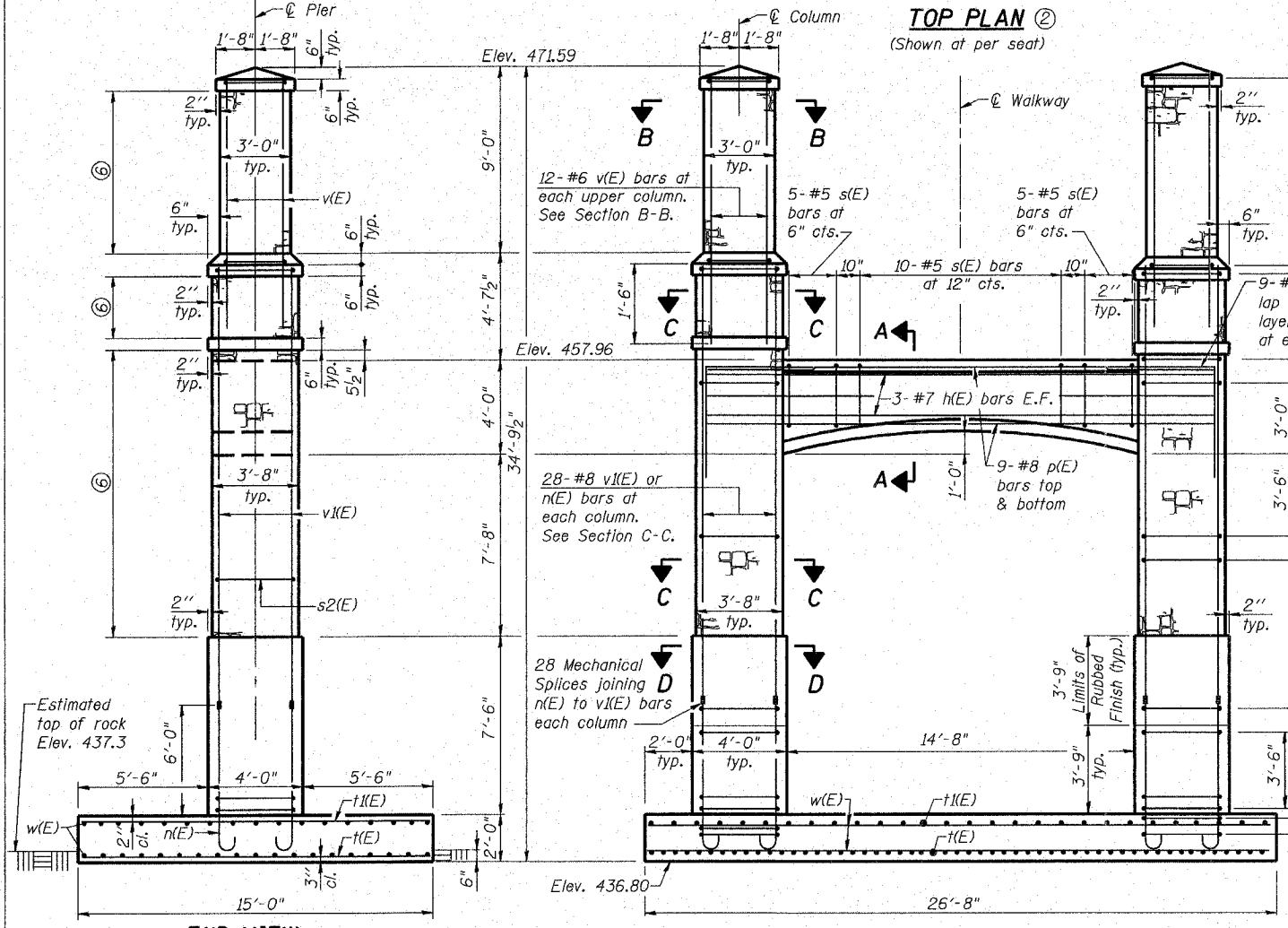
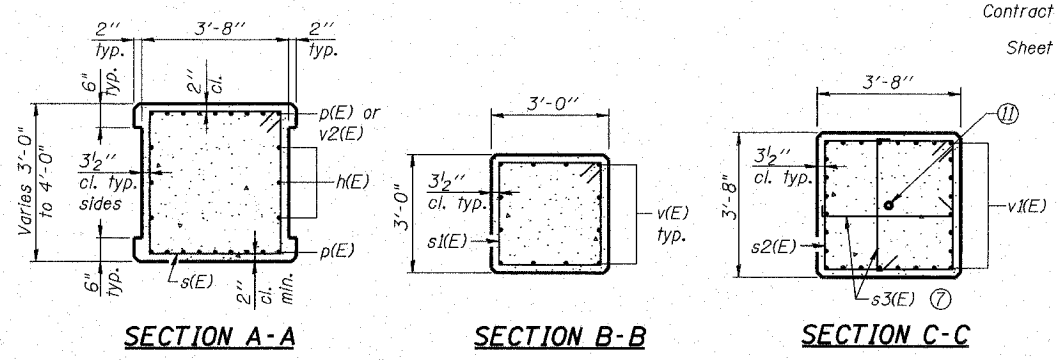
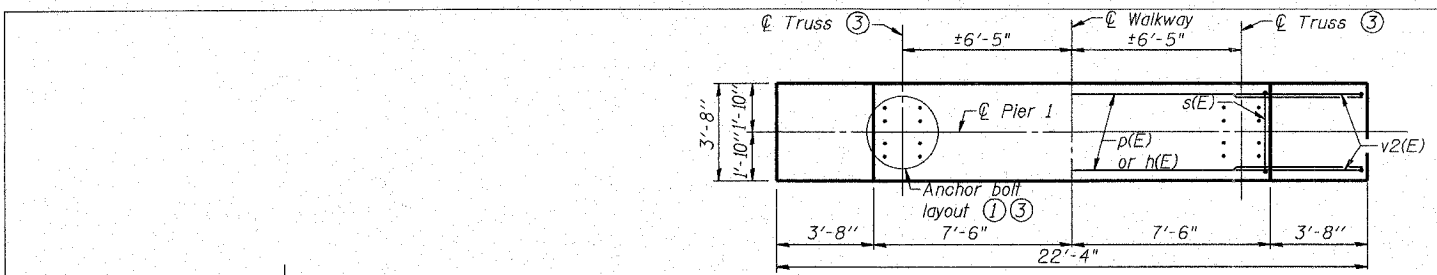
REVISIONS

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Consulting Engineers

ALTON, ILLINOIS
PEDESTRIAN OVERPASS AT LANGDON ST.

DWG. NO. S19
6111-19-PIER1SH1.DGN
REF. BK. PG.
JOB NO. 26053
DSN. BY: JCS
CHK. BY: DC
DATE: 3/28/08

SCALE:
SHEET 39 OF 54

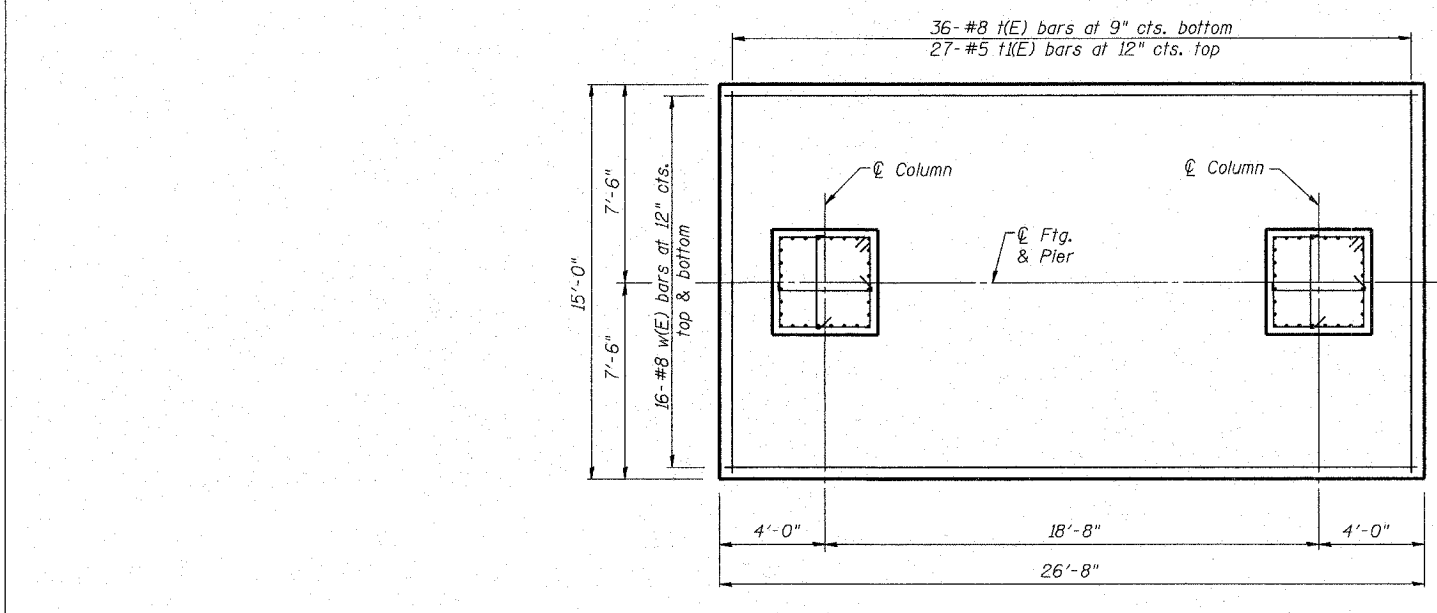


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#7	22'-0"	—
n(E)	56	#8	7'-4"	—
p(E)	18	#8	22'-0"	—
s(E)	20	#5	12'-5"	□
s1(E)	20	#4	10'-5"	□
s2(E)	124	#5	13'-3"	□
s3(E)	168	#5	4'-1"	—
t(E)	36	#8	14'-8"	—
t1(E)	27	#5	14'-8"	—
v(E)	24	#6	10'-4"	—
v1(E)	56	#8	18'-5"	—
v2(E)	18	#8	9'-0"	—
w(E)	32	#8	26'-4"	—
Structure Excavation		Cu. Yd.	145	
Rock Excavation for Structures		Cu. Yd.	8	
Concrete Structures		Cu. Yd.	67.6	
Reinforcement Bars, Epoxy Coated		Pound	12,880	
Rubbed Finish		Sq. Ft.	353	
Form Liner Textured Surface		Sq. Ft.	666	
Mechanical Splice		Each	56	

A, B & C DIMENSIONS

Bar	A	B	C
s(E)	3'-1"	2'-8"	5 1/2"
s1(E)	2'-5"	2'-5"	4 1/2"
s2(E)	3'-1"	3'-1"	5 1/2"



- Notes:**
- Space reinforcement in cap to miss anchor bolts.
 - Architectural bumpouts on columns and pier seat not shown for clarity in plan view.
 - Final truss, brg, bearings and anchor bolt sizes, embedment, and layout to be determined by truss manufacturer. Pre-engineered truss shop drawings shall be approved prior to construction of the piers. Contractor shall verify all dimensions and elevations with final approved shop drawings. See special provisions. All edges shall have 1/2" chamfer unless noted otherwise. E.F. denotes each face.
 - Form Liner Textured Surface typical each side and each end of pier as located on end view. Form Liner Textured Surface shall also be used on the faces of the pier seat except for the top and bottom 6 inches. See special provisions for Form Liner Textured Surface specifications.
 - Bar s3(E) shall be placed near the column and pier seat beam connection & near the column and footing connection as shown in elevation.
 - The bottom of footing elevation shall be adjusted to ensure a minimum embedment of 6 inches in non-weathered rock. The rock excavation shall be made with near-vertical sides at the plan dimensions to allow the sides and base of the embedded portion of the footing to be cast against undisturbed rock surfaces.
 - All exposed surfaces not receiving Form Liner Textured Surface shall have a Rubbed Finish. The Rubbed Finish shall extend a minimum of 1'-0" below the ground line.
 - Partial removal of the existing footings may be required. See sheet 2 of 26 for details.
 - Electrical conduit to be cast in columns. Locate inside of s2(E) bars near the center of the column. See electrical plans for conduit details.

PIER 1 PLAN AND DETAILS
ALTON PEDESTRIAN WALKWAY OVER
UNION PACIFIC RAILROAD, NORFOLK
SOUTHERN RAILROAD AND US ROUTE 67
SECTION 06-00224-00-BR
MADISON COUNTY
STA. 2+42.54
STRUCTURE NO. 060-6111