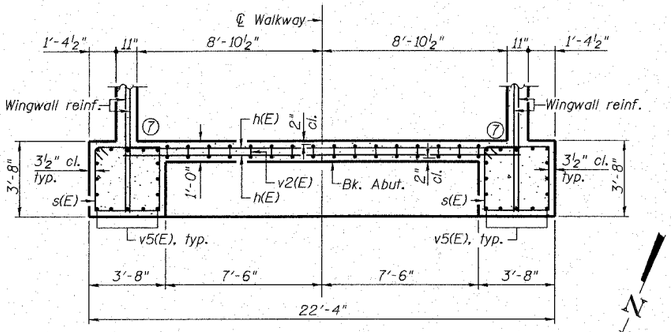
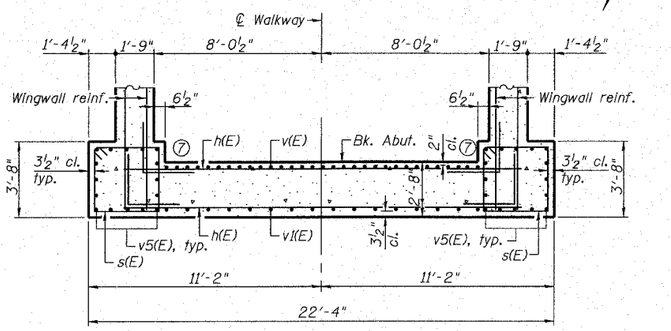
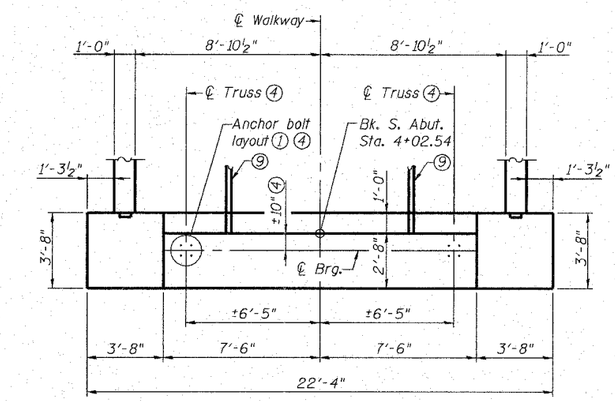


SECTION A-A ⑧

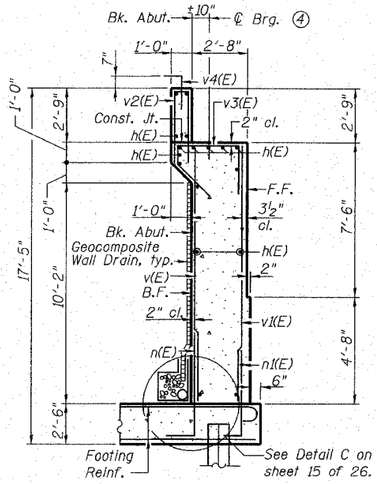


SECTION B-B

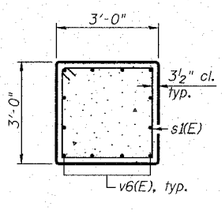


ABUTMENT PLAN ② ⑧

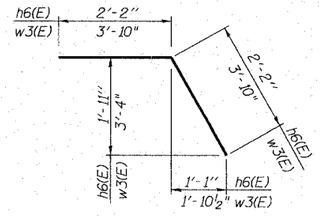
(Foundation not shown for clarity)



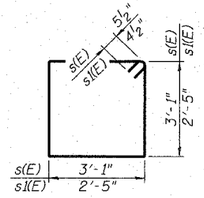
SECTION D-D ②



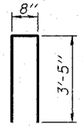
SECTION C-C



BARS h6(E) & w3(E)



BARS s(E) & s1(E)



BAR v2(E)

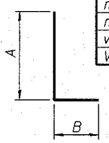
BILL OF MATERIAL

(South Abutment and wingwalls)

Bar	No.	Size	Length	Shape
h(E)	43	#6	19'-0"	
h1(E)	80	#6	5'-2"	
h2(E)	42	#5	7'-7"	
h3(E)	42	#5	4'-2"	
h4(E)	42	#5	18'-4"	
h5(E)	42	#5	15'-2"	
h6(E)	84	#5	4'-4"	
n(E)	31	#7	6'-2"	
n1(E)	16	#6	5'-3"	
n2(E)	32	#6	4'-11"	
n3(E)	80	#9	9'-7"	
n4(E)	29	#5	5'-8"	
s(E)	34	#5	13'-3"	
s1(E)	18	#4	10'-5"	
t(E)	11	#8	25'-2"	
t1(E)	18	#8	23'-8"	
t2(E)	20	#8	22'-3"	
t3(E)	24	#8	13'-10"	
t4(E)	11	#8	23'-4"	
t5(E)	18	#8	21'-10"	
t6(E)	20	#8	20'-5"	
t7(E)	12	#8	12'-11"	
v(E)	31	#7	12'-0"	
v1(E)	16	#6	12'-0"	
v2(E)	16	#5	7'-6"	
v3(E)	16	#5	7'-10"	
v4(E)	16	#5	2'-8"	
v5(E)	32	#6	16'-1"	
v6(E)	24	#6	10'-4"	
v7(E)	80	#9	12'-0"	
v8(E)	29	#5	15'-8"	
v9(E)	29	#5	6'-0"	
w(E)	4	#8	4'-8"	
w1(E)	44	#8	28'-7"	
w2(E)	44	#8	17'-1"	
w3(E)	88	#8	7'-8"	
Sidewalk Connector			Sq. Ft.	39
Concrete Structures			Cu. Yd.	125.3
Reinforcement Bars, Epoxy Coated			Pound	29,160
Furnishing Steel Piles HP12x63			Foot	765
Driving Piles			Foot	765
Test Pile Steel HP12x63			Each	1
Pile Shoes			Each	18

A & B DIMENSIONS

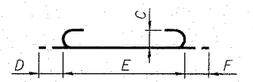
Bar	A	B
h1(E)	2'-7"	2'-7"
n(E)	5'-0"	1'-2"
n1(E)	4'-3"	1'-0"
n3(E)	8'-0"	1'-7"
n4(E)	4'-10"	10"
v4(E)	1'-10"	10"
V9(E)	5'-4"	8"



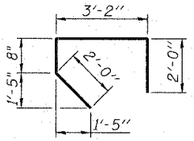
BARS h1(E), n(E), n1(E), n3(E), n4(E), v4(E) & v9(E)

C, D, E & F DIMENSIONS

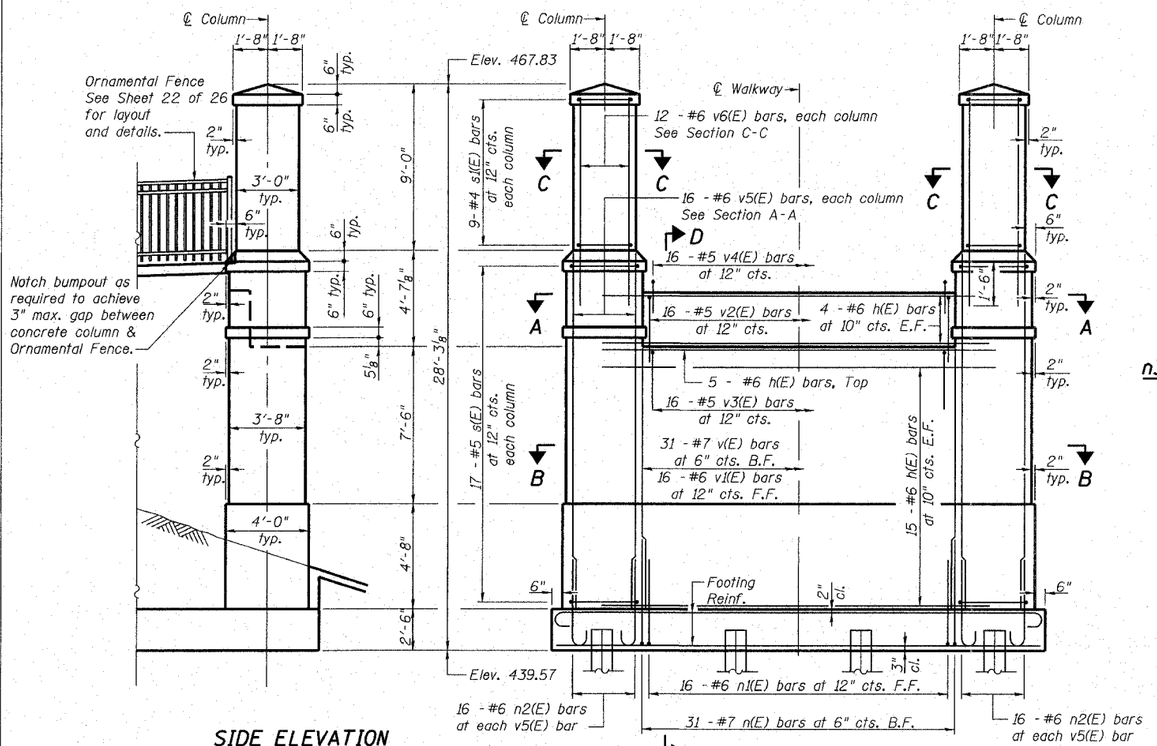
Bar	C	D	E	F
n2(E)	6"	8"	4'-3"	---
t(E)	8"	11"	23'-4"	11"
t1(E)	8"	11"	21'-10"	11"
t2(E)	8"	11"	20'-5"	11"
t3(E)	8"	11"	12'-11"	---
w1(E)	8"	11"	27'-8"	---



BARS n2(E), t(E), t1(E), t2(E), t3(E) & w1(E)



BAR v3(E)



SIDE ELEVATION

ABUTMENT ELEVATION ②

Notes:
1. Space reinforcement in cap to miss anchor bolts.
2. For details of foundation, see sheet 14 of 26.
3. See sheet 18 of 26 for limits of Form Liner Textured Surface and Rubbed Finish.
4. 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 abutments. Contractor shall verify all dimensions and elevations with final approved shop drawings. See special provisions.
5. All edges shall have 1½" chamfer unless noted otherwise.
6. B.F. denotes back face. F.F. denotes front face. E.F. denotes each face.
7. For details of wingwalls and corner bars, see sheet 13 of 26.
8. Architectural bump outs on columns not shown for clarity in plan view. Dimensions to face of column at abutment seat.
9. Electrical conduit to be cast through abutment backwall. See electrical plans for conduit locations and details.

SOUTH ABUTMENT PLAN
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

REVISIONS

ALTON, ILLINOIS
PEDESTRIAN OVERPASS AT LANGDON ST.

Eastport Business Center I
101 Eastport Court, Suite 1
Collinsville, Illinois 62234
Phone: 618 345-7200
Facsimile: 618 345-7231
e-mail: oates@oatesassociates.com
web-site: www.oatesassociates.com
OATES ASSOCIATES
Consulting Engineers

DWG. NO. S12
6111-12-SOUTHABTSHT1.DGN
REF. BK. PG.
JOB NO. 28053
DSN. BY: DGL
DWN. BY: NEL
CHK. BY: DGL
DATE: 3/28/08
SCALE:
SHEET 32 OF 54