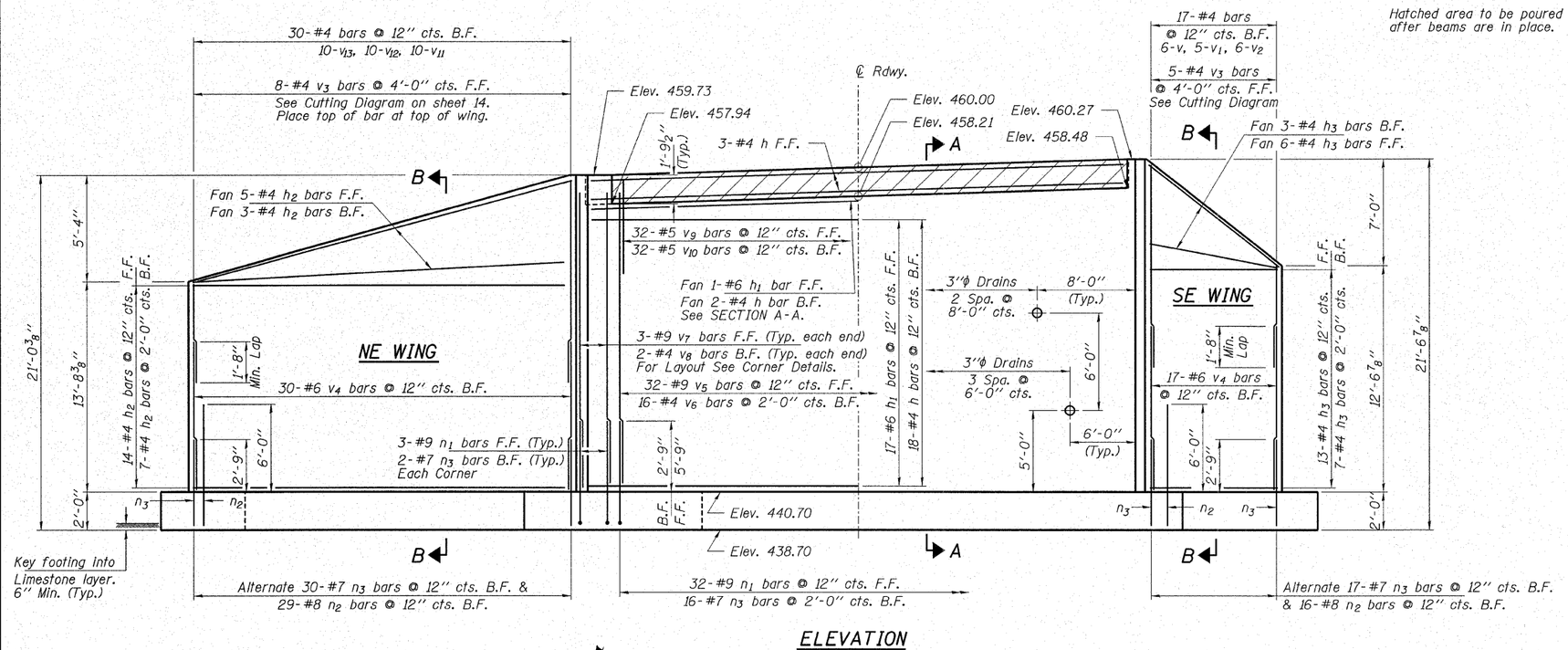
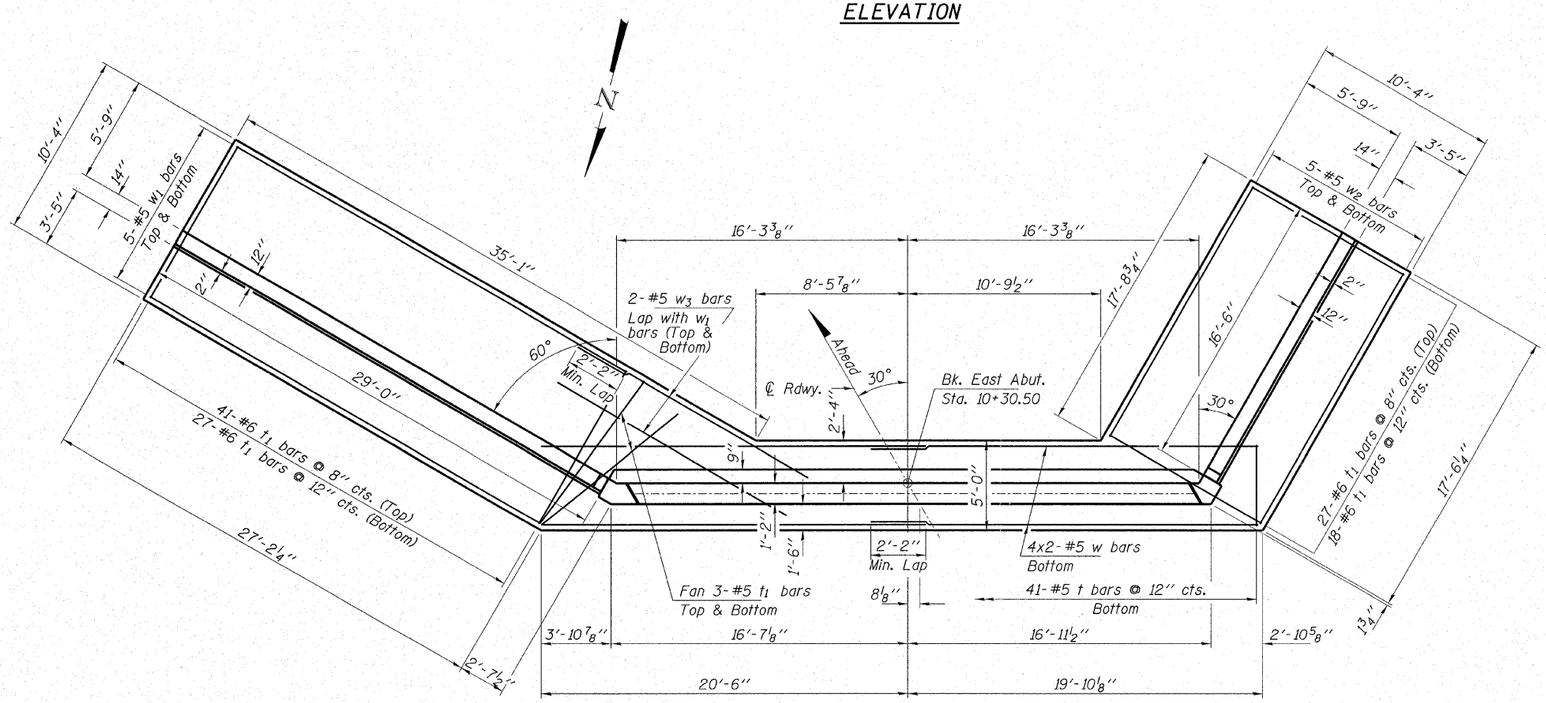
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 79A	04-01177 -00-BR	UNION	15	13
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 99275	

Hatched area to be poured after beams are in place.

Notes:
The splice lengths shown are minimum length. Additional bar length has been provided.
The Contractor shall consult the Engineer in regard to the wall design if varying rock elevations are found.
All reinforcement bars shall be epoxy coated.
See sheet 14 for Section A-A, Section B-B, and abutment details.
v bars billed in West Abutment Bill of Material. See Cutting Diagram.
Bars indicated thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.
Hatched area to be poured after beams are in place.



ELEVATION



PLAN

MIN. BAR LAP

#4 (Wings) = 1'-8"
#5 (Footing) = 2'-2"

BILL OF MATERIAL - EAST ABUT.

Bar	No.	Size	Length	Shape
h	23	#4	32'-3"	
h_1	18	#6	33'-3"	
h_2	29	#4	28'-8"	
h_3	29	#4	15'-8"	
n_1	38	#9	8'-9"	
n_2	45	#8	8'-4"	
n_3	67	#7	5'-0"	
t	41	#5	5'-10"	
t_1	119	#6	10'-1"	
v	6	#4	12'-6"	
v_1	5	#4	9'-10"	
v_2	6	#4	7'-8"	
v_4	47	#6	8'-9"	
v_5	32	#9	17'-0"	
v_6	16	#4	17'-0"	
v_7	6	#9	18'-9"	
v_8	4	#4	18'-9"	
v_9	32	#5	3'-6"	
v_{10}	32	#5	6'-1"	
v_{11}	10	#4	13'-10"	
v_{12}	10	#4	11'-6"	
v_{13}	10	#4	9'-0"	
w	8	#5	21'-1"	
w_1	10	#5	26'-10"	
w_2	10	#5	17'-4"	
w_3	4	#5	12'-6"	
Concrete Structures			Cu. Yd.	107.4
Reinforcement Bars, Epoxy Coated			Pound	11,550
Rock Excavation for Structure			Cu. Yd.	12.2
Cofferdams			Each	1
Cofferdam Excavation			Cu. Yd.	280
Porous Granular Embankment			Ton	420

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
HLR
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-92-0007-i		DATE: 04/03/07
DESIGNED: T.P.L.	CHECKED: S.W.M.	DRAWN: D.B.

EAST ABUTMENT

SECTION 04-01177-00-BR

T.R. 79A / MOUNTAIN GLEN ROAD

UNION COUNTY

STR. NO. 091-3222 / STATION 10+05