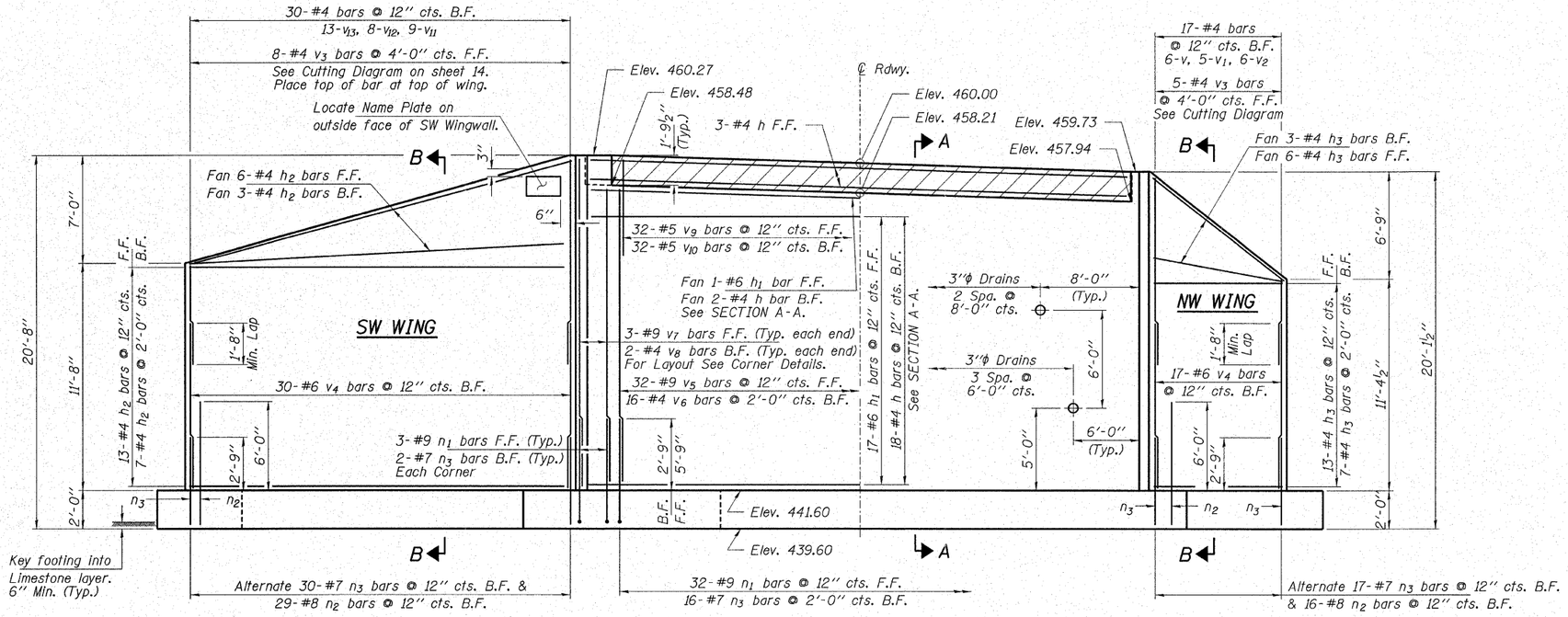
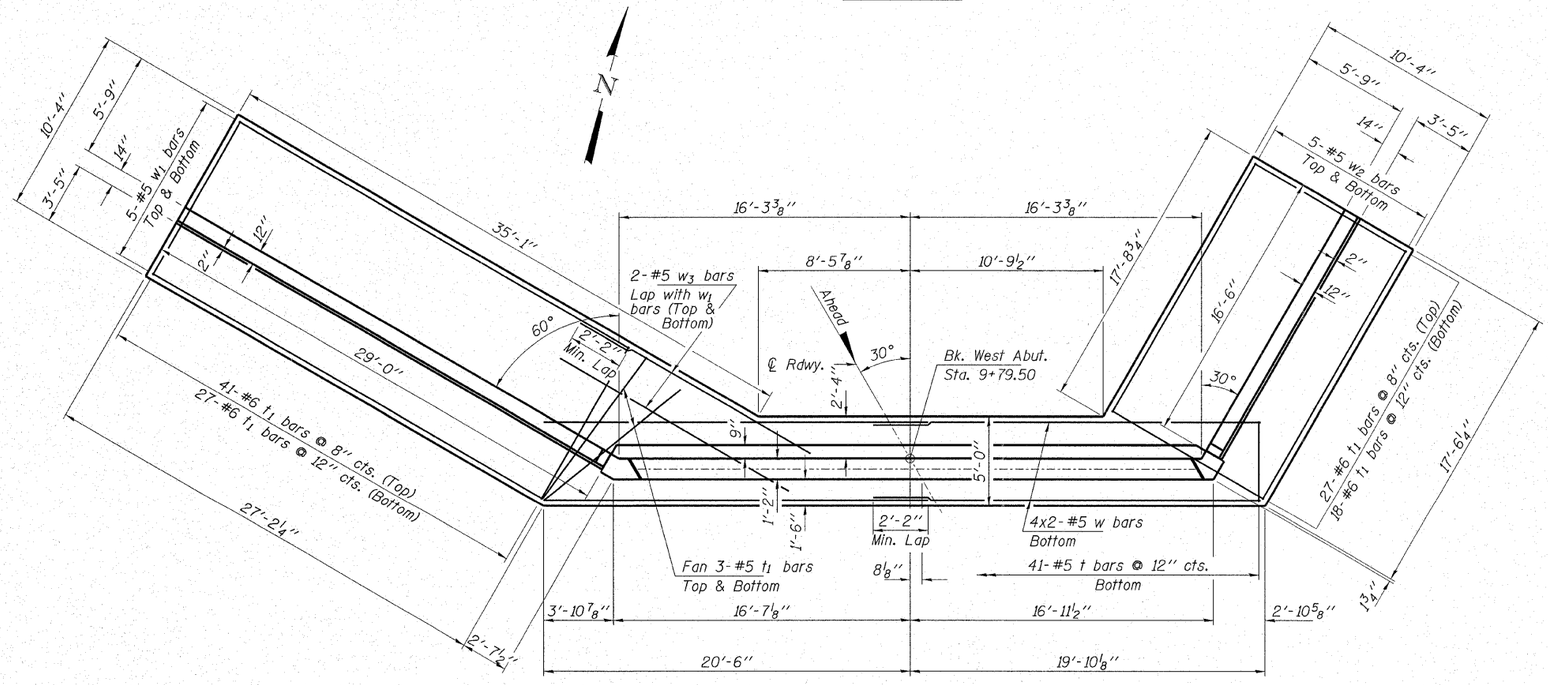
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 79A	04-01177-00-BR	UNION	15	12
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 99275	



ELEVATION



PLAN

MIN. BAR LAP

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

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.

BILL OF MATERIAL - EAST ABUT.

Bar	No.	Size	Length	Shape
h	23	#4	32'-3"	——
h1	18	#6	33'-3"	——
h2	29	#4	28'-8"	——
h3	29	#4	15'-8"	——
n1	38	#9	8'-9"	⊂——
n2	45	#8	8'-4"	⊂——
n3	67	#7	5'-0"	⊂——
t	41	#5	5'-10"	⊂⊃
t1	119	#6	10'-1"	——
v	6	#4	12'-6"	——
v1	5	#4	9'-10"	——
v2	6	#4	7'-8"	——
v3	13	#4	30'-4"	——
v4	47	#6	8'-9"	——
v5	32	#9	17'-0"	——
v6	16	#4	17'-0"	——
v7	6	#9	18'-9"	——
v8	4	#4	18'-9"	——
v9	32	#5	3'-6"	—⌐
v10	32	#5	6'-1"	⌐—
v11	9	#4	13'-10"	——
v12	8	#4	11'-6"	——
v13	13	#4	9'-0"	——
w	8	#5	21'-1"	——
w1	10	#5	26'-10"	——
w2	10	#5	17'-4"	——
w3	4	#5	12'-6"	——
Concrete Structures			Cu. Yd.	103.8
Reinforcement Bars, Epoxy Coated			Pound	11,610
Rock Excavation for Structure			Cu. Yd.	12.2
Cofferdams			Each	1
Cofferdam Excavation			Cu. Yd.	280
Porous Granular Backfill			Ton	370

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
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.

WEST ABUTMENT

SECTION 04-01177-00-BR
T.R. 79A / MOUNTAIN GLEN ROAD
UNION COUNTY
STR. NO. 091-3222 / STATION 10+05