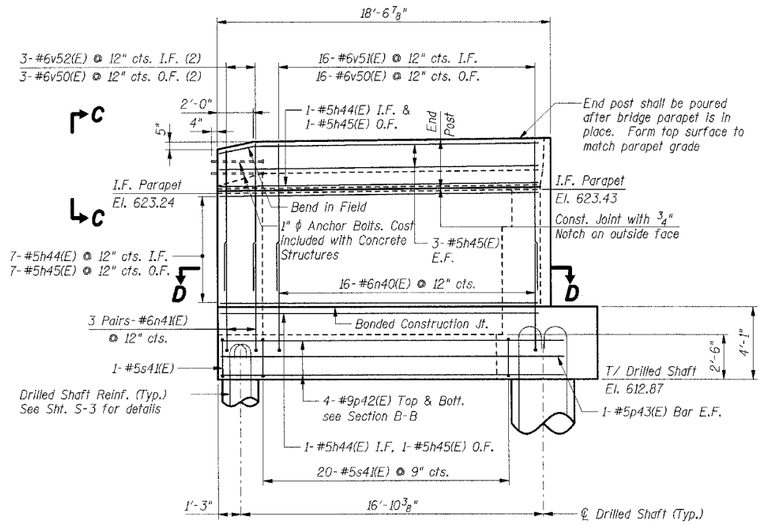
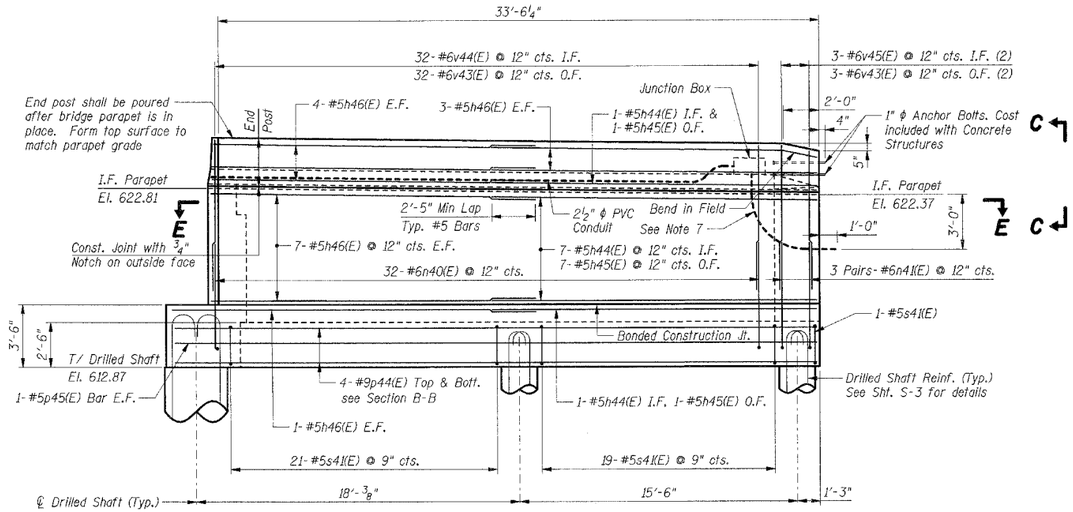
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	365
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* (26, 26HB-1 & 114) R-2
CONTRACT NO. 60363



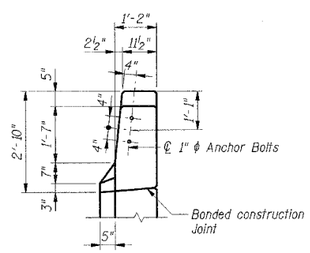
WEST WING WALL ELEVATION



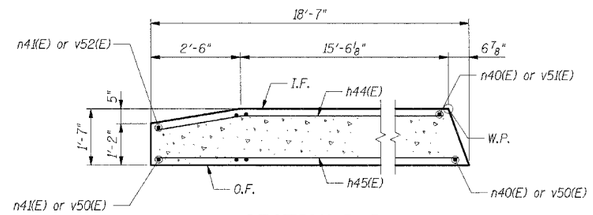
EAST WING WALL ELEVATION

BAR LIST

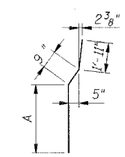
Bar	No.	Size	Length	Shape
h40(E)	12	#5	27'-5"	
h41(E)	16	#5	6'-6"	
h42(E)	16	#5	6'-6"	
h43(E)	4	#6	27'-5"	
h44(E)	18	#5	17'-9"	
h45(E)	30	#5	17'-9"	
h46(E)	24	#5	18'-6"	
n40(E)	48	#6	13'-4"	
n41(E)	12	#6	6'-8"	
p40(E)	18	#9	29'-6"	
p41(E)	4	#7	29'-6"	
p42(E)	8	#9	20'-5"	
p43(E)	2	#5	19'-9"	
p44(E)	8	#9	36'-0"	
p45(E)	2	#5	36'-0"	
p46(E)	5	#5	14'-6"	
s40(E)	22	#5	16'-1"	
s41(E)	62	#5	9'-7"	
u40(E)	4	#7	12'-6"	
u41(E)	4	#7	14'-11"	
u42(E)	16	#5	8'-5"	
v40(E)	56	#6	7'-6"	
v41(E)	28	#5	3'-0"	
v42(E)	28	#5	3'-0"	
v43(E)	35	#6	8'-7"	
v44(E)	32	#6	8'-9"	
v45(E)	3	#6	8'-7"	
v50(E)	19	#6	8'-10"	
v51(E)	16	#6	9'-0"	
v52(E)	3	#6	8'-10"	
e40(E)	4	#4	2'-0"	



VIEW C-C

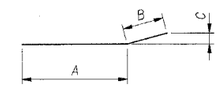


SECTION D-D



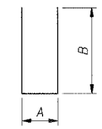
Bars v44(E) & v51(E)

Bar	A
v44(E)	6'-1"
v51(E)	6'-4"



Bars h44(E), p42(E), p43(E), v45(E) & v52(E)

Bar	A	B	C
h44E)	15'-4"	2'-5"	4 3/4"
p42(E)	18'-4"	2'-1"	8 1/2"
p43(E)	17'-8"	2'-1"	8 1/2"
v45(E)	6'-8"	1'-11"	2 3/8"
v52(E)	6'-11"	1'-11"	2 3/8"

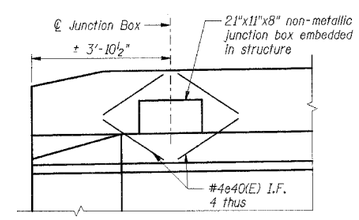


Bars n40(E) & u42(E)

Bar	A	B
n40(E)	1'-4"	6'-0"
u42(E)	4'-1"	2'-2"

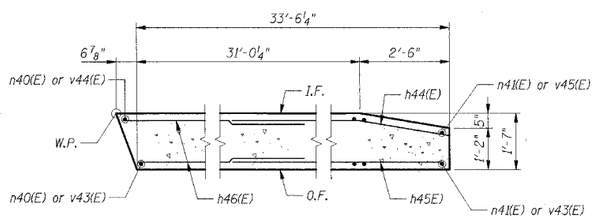
BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu Yd	69.3
Reinforcement Bars, Epoxy Coated	Lbs	10,510
Concrete Sealer	Sq Ft	363
Bar Splicers	Each	28



JUNCTION BOX DETAIL

(Space v44(E) bars to miss junction box)



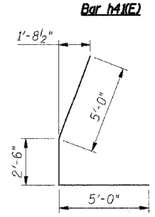
SECTION E-E

Bar h41(E)

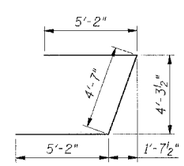
Bar h42(E)

Bars s40(E) & s41(E)

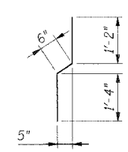
Bar n41(E)



Bar u40(E)



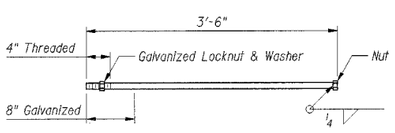
Bar u41(E)



Bar v42(E)

Reinforcing Notes:
(1) Bend bars in feild to fit as required.
(2) Cut bars in field to fit as required.

Notes:
1. Work this sheet with Sht. S-18.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Bars indicated thus: 4x2-#5 etc. indicate 4 lines of bars with 2 lengths per line.
4. All edges shall have standard 3/4" chamfers except as noted.
5. E.F. Indicates Each Face.
   I.F. indicates Insider Face.
   O.F. indicates Outside Face.
6. For Drilled Shaft details, see Sht. S-3.
7. 2 1/2" Galvanized Steel Conduit Stub - thread and cap end.



1" ϕ Anchor Bolt

SHT. S-19 OF S-24

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 338 (ILLINOIS ROUTE 59)
IL ROUTE 59 OVER F.A.I. 55 (I-55)
SECTION (26, 26HB-1 & 114) R-2
STRUCTURE NUMBER 099-4642
STATION 8021+17.13, WILL COUNTY

NORTH ABUTMENT
DETAILS AND BILL OF MATERIAL

DRAWN BY: MX
DATE: 03/14/08 CHECKED BY: MDB

TENG
TENG & ASSOCIATES, INC.
ENGINEERS&ARCHITECTS&PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312616-0600

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