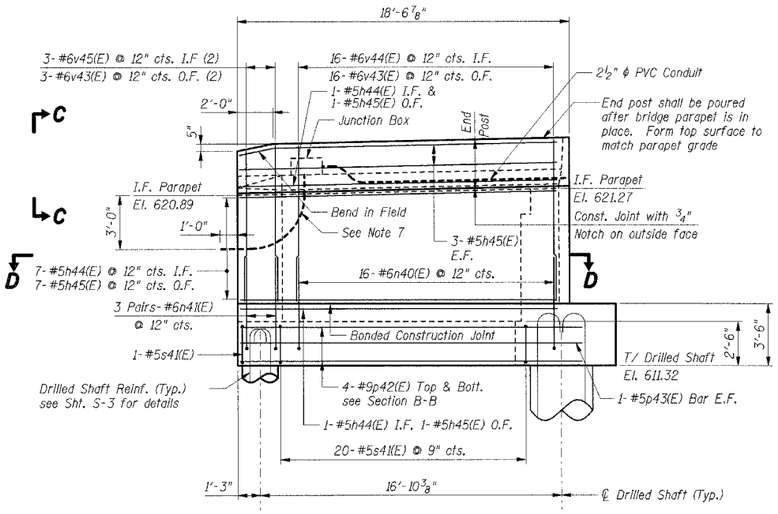
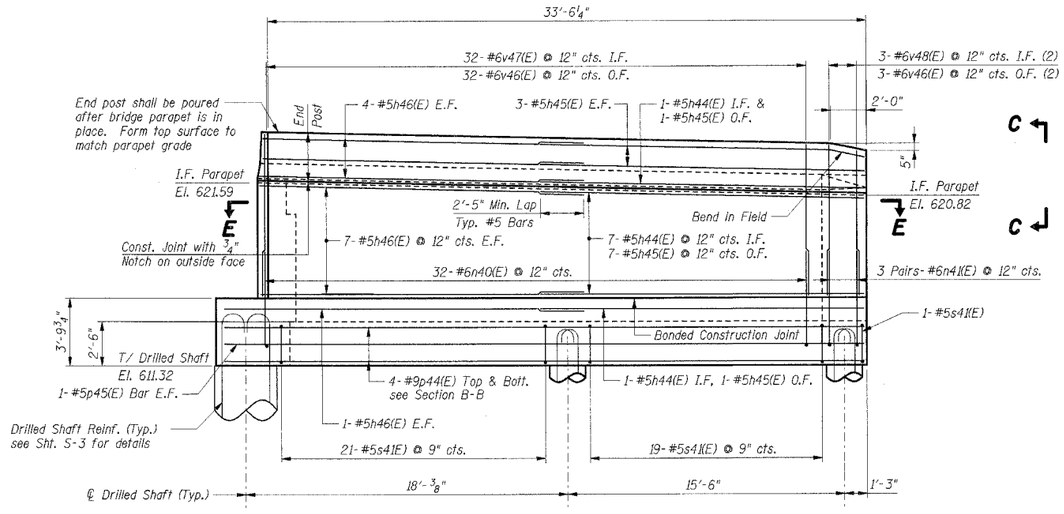
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	•	WILL	608	362
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

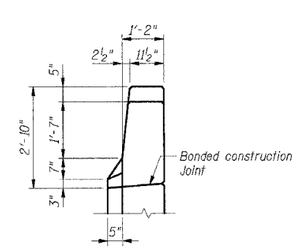
• (26, 26HB-1 & 114) R-2
CONTRACT NO. 60363



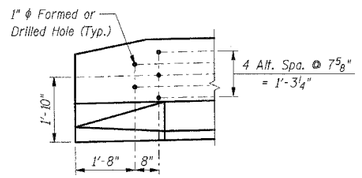
EAST WING WALL ELEVATION



WEST WING WALL ELEVATION

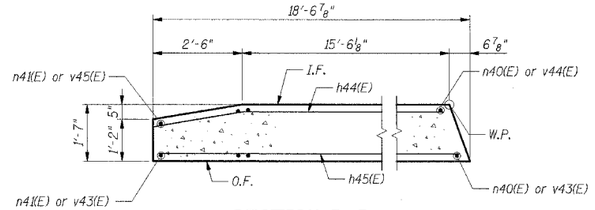


VIEW C-C

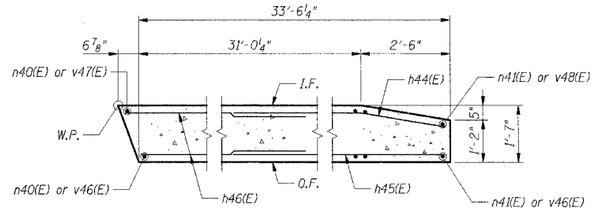


END DETAIL

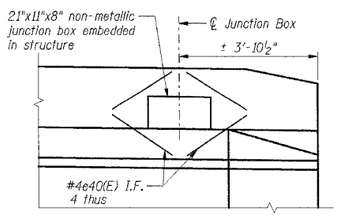
Cost of holes included with Concrete Structures



SECTION D-D

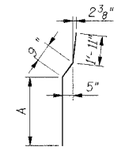


SECTION E-E



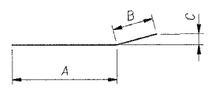
JUNCTION BOX DETAIL

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



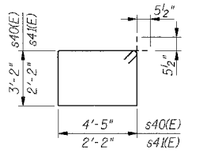
Bars v44(E) & v47(E)

Bar	A
v44(E)	6'-1"
v47(E)	5'-9"

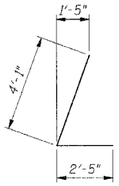


Bars h44(E), p42(E), p43(E), v45(E) & v48(E)

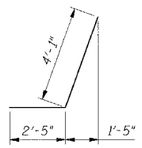
Bar	A	B	C
h44(E)	15'-4"	2'-5"	4 3/4"
p42(E)	18'-4"	2'-1"	8 1/2"
p43(E)	17'-8"	2'-1"	8 1/2"
v45(E)	6'-8"	1'-11"	2 3/8"
v48(E)	6'-4"	1'-11"	2 3/8"



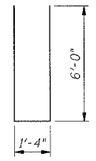
Bars s40(E) & s41(E)



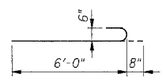
Bar h41(E)



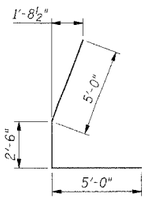
Bar h42(E)



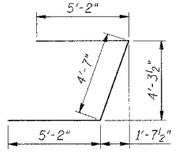
Bar n40(E)



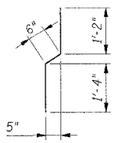
Bar n41(E)



Bar u40(E)



Bar u41(E)



Bar v42(E)

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"	
s40(E)	22	#5	16'-1"	
s41(E)	62	#5	9'-7"	
u40(E)	4	#7	12'-6"	
u41(E)	4	#7	14'-11"	
v40(E)	56	#6	7'-6"	
v41(E)	28	#5	3'-0"	
v42(E)	28	#5	3'-0"	
v43(E)	19	#6	8'-7"	
v44(E)	16	#6	8'-9"	
v45(E)	3	#6	8'-7"	
v46(E)	35	#6	8'-3"	
v47(E)	32	#6	8'-5"	
v48(E)	3	#6	8'-3"	
e40(E)	4	#4	2'-0"	

BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu Yd	68.5
Reinforcement Bars, Epoxy Coated	Lbs	10,250
Concrete Sealer	Sq Ft	362
Bar Splicers	Each	28

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

Notes:
1. Work this Sheet with Sht. S-15.
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 Inside 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.

SHT. S-16 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

SOUTH ABUTMENT
DETAILS AND BILL OF MATERIAL

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

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
105 N. MICHIGAN AVE. CHICAGO, IL. 60601
TELEPHONE 312/616-0300

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