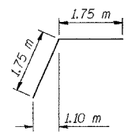
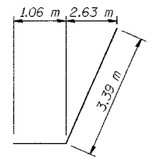
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 90/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	207
		IL/INDIES	FED. AID PROJECT-	

SHEET NO. S-12
20 SHEETS

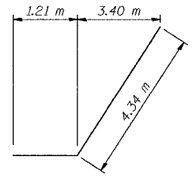
CONTRACT NO. 62113 INDOT DES. NO. 0100987



BAR h_{308} (E)



BAR h_{309} (E)



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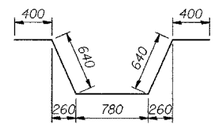

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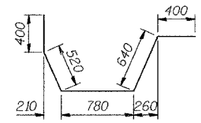
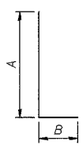
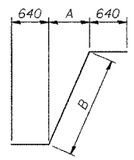


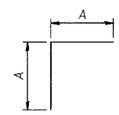
BAR h_{312} (E)



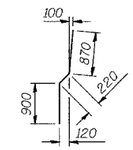
BARS n_{300} (E) thru n_{303} (E)



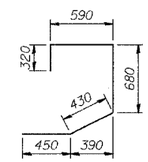
BARS w_{303} (E), w_{305} (E), w_{307} (E) or w_{309} (E)



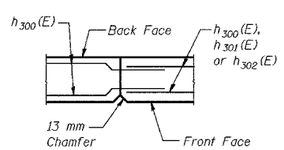
BARS w_{304} (E), w_{306} (E), w_{308} (E) or w_{310} (E)



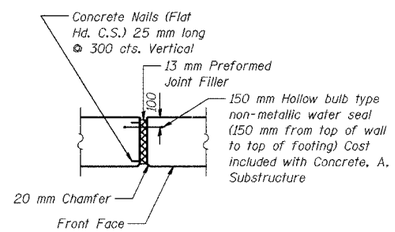
BARS v_{306} (E)



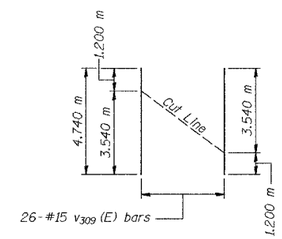
BAR v_{307} (E)



CONSTRUCTION JOINT DETAIL



13 MM EXPANSION JOINT DETAIL



FIELD CUTTING DIAGRAM

Order v_{309} (E) bars full length. Cut as shown and use remainder of bars in opposite face.

BAR DIMENSIONS

Bar	A	B
n_{300} (E)	3.51 m	260
n_{301} (E)	3.51 m	400
n_{302} (E)	3.57 m	500
n_{303} (E)	1.22 m	260
w_{303} (E)	1.46 m	2.06 m
w_{304} (E)	1.46 m	-
w_{305} (E)	1.36 m	1.92 m
w_{306} (E)	1.36 m	-
w_{307} (E)	1.06 m	1.50 m
w_{308} (E)	1.06 m	-
w_{309} (E)	1.66 m	2.35 m
w_{310} (E)	1.66 m	-

BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
h_{300} (E)	704	#15	7.84	
h_{301} (E)	408	#15	7.10	
h_{302} (E)	51	#15	4.28	
h_{303} (E)	2	#15	1.49	
h_{304} (E)	35	#15	2.30	
h_{305} (E)	16	#15	1.10	
h_{306} (E)	24	#15	7.30	
h_{307} (E)	2	#15	5.50	
h_{308} (E)	104	#15	3.50	
h_{309} (E)	54	#15	4.45	
h_{310} (E)	54	#15	5.55	
h_{311} (E)	180	#20	2.86	
h_{312} (E)	4	#20	2.74	
h_{313} (E)	4	#15	0.90	
h_{314} (E)	8	#15	0.60	
n_{300} (E)	603	#15	3.77	
n_{301} (E)	1108	#25	3.91	
n_{302} (E)	53	#30	4.07	
n_{303} (E)	76	#15	1.48	
t_{300} (E)	696	#25	4.00	
t_{301} (E)	617	#20	4.00	
t_{302} (E)	43	#30	5.84	
t_{303} (E)	31	#20	5.84	
t_{304} (E)	54	#25	4.60	
t_{305} (E)	50	#20	4.60	
t_{306} (E)	58	#20	2.80	
v_{300} (E)	250	#15	5.33	
v_{301} (E)	490	#20	4.34	
v_{302} (E)	37	#15	4.98	
v_{303} (E)	53	#25	5.60	
v_{304} (E)	316	#15	4.93	
v_{305} (E)	618	#20	3.93	
v_{306} (E)	566	#20	1.99	
v_{307} (E)	276	#20	2.47	
v_{308} (E)	24	#15	3.44	
v_{309} (E)	26	#15	4.74	
w_{300} (E)	518	#15	7.84	
w_{301} (E)	150	#15	10.01	
w_{302} (E)	12	#15	7.10	
w_{303} (E)	15	#15	3.34	
w_{304} (E)	15	#15	2.92	
w_{305} (E)	15	#15	3.20	
w_{306} (E)	15	#15	2.72	
w_{307} (E)	45	#15	2.78	
w_{308} (E)	45	#15	2.12	
w_{309} (E)	15	#15	3.63	
w_{310} (E)	15	#15	3.32	
w_{311} (E)	44	#15	3.97	
Test Pile, 356 mm		Each	4	
Excavation, Foundation, Unclassified		m^3	3.336	
Concrete, A, Substructure		m^3	1261.8	
Reinforcing Bars, Epoxy Coated		kg	90,300	
Surface Seal (Estimated)		m^2	268	
Pile, Concrete, Steel Shell Encased, 6.35 mm, 356 mm		m	5,776.0	
Geocomposite Wall Drain		m^2	935	
Pipe, Underdrain, Perf, 1.63 mm, 150 mm		m	189.0	
Noise Abatement Wall Anchor Rod Assembly		Each	52	

NOTES:

See Sheet S-11 for Wall and Parapet Sections and Anchor Rod Assembly Details

See Sheet S-13 for Rustication details.

Reinforcement bars designated (E) shall be epoxy coated.

All dimensions are in millimeters (mm) except as noted.

See Typical Section on Sheet S-2 for Drainage Details and Surface Seal Limits.

DESIGNED	MJW
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

WALL SECTIONS AND DETAILS
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+268.572 TO STATION 8+445.954
STRUCTURE NO. 016-W857

DATE 07/04

AMERICAN CONSULTING ENGINEERS