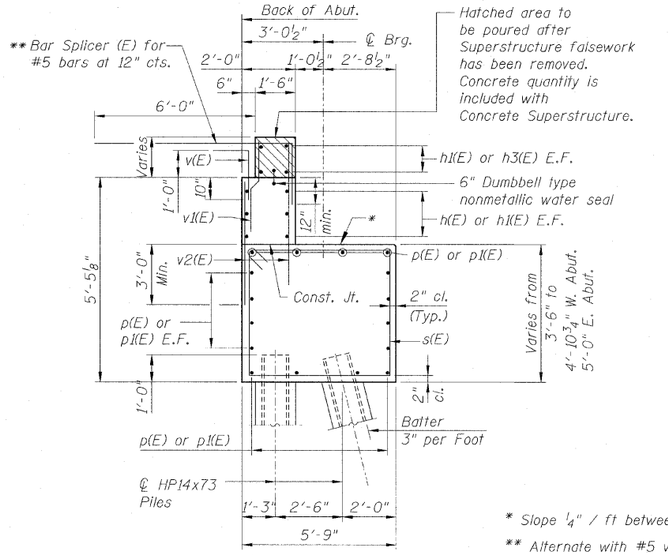
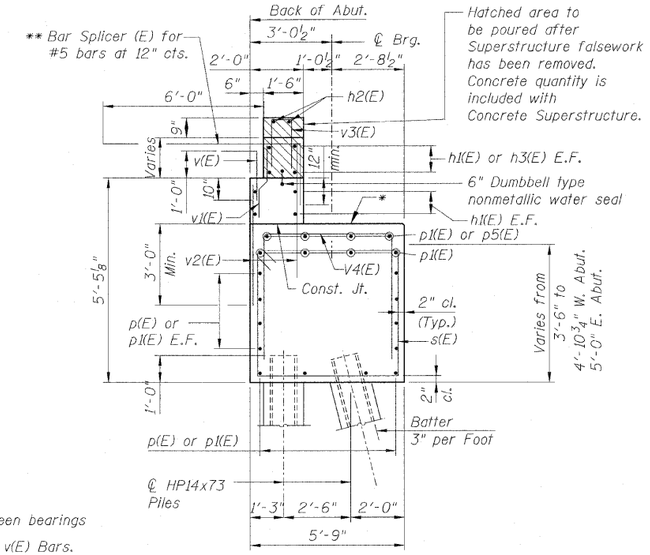
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	484
STA. 3356+37.74	TO STA. 3359+24.72			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



SECTION B-B



SECTION C-C

* Slope ¼" / ft between bearings

** Alternate with #5 v(E) Bars. Place parallel to the beams.

Note: Additional bars in steps not shown in Section B-B.

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	12	#5	34'-9"	
h_1(E)	16	#5	38'-7"	
h_2(E)	4	#5	14'-10"	
h_3(E)	8	#5	34'-0"	
p(E)	32	#7	34'-9"	
p_1(E)	36	#7	38'-7"	
p_3(E)	4	#7	21'-0"	
p_4(E)	4	#7	26'-2"	
p_5(E)	4	#7	18'-4"	
s(E)	138	#4	17'-11"	
s_1(E)	16	#4	19'-9"	
u(E)	26	#7	15'-0"	
u_1(E)	12	#5	7'-5"	
u_2(E)	8	#5	5'-4"	
v(E)	120	#5	3'-4"	
v_1(E)	148	#4	3'-1"	
v_2(E)	148	#4	4'-10"	
v_3(E)	26	#4	5'-2"	
v_4(E)	99	#5	8'-8"	

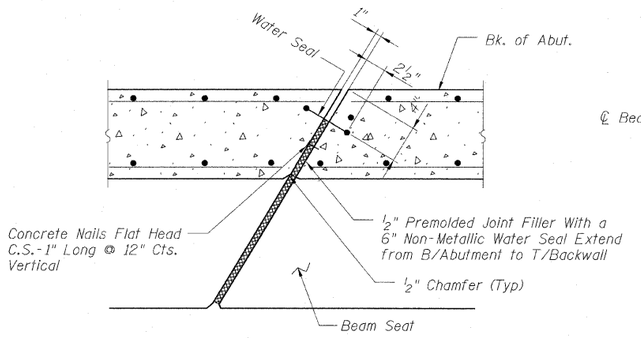
Item	Unit	Quantity
Structure Excavation	Cu. Yd.	0
Concrete Structures	Cu. Yd.	148.8
Reinforcement Bars, Epoxy Coated	Pound	12,060
Porous Granular Embankment, Special	Cu. Yd.	248.5
Furnishing Steel Piles HP14x73	Foot	3,825
Driving Piles	Foot	3,825
Test Pile HP14x73	Each	1
Pile Shoes	Each	52
Concrete Sealer	Sq. Ft.	1335
Geocomposite Wall Drain	Sq. Yd.	90
Pipe Underdrains for Structures 4"	Foot	149.5
Concrete Encasement	Cu. Yd.	27.5

WEST ABUTMENT BILL OF MATERIAL

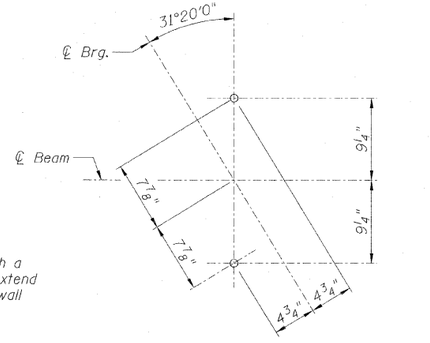
Bar	No.	Size	Length	Shape
h(E)	12	#5	34'-9"	
h_1(E)	16	#5	38'-7"	
h_2(E)	4	#5	14'-10"	
h_3(E)	8	#5	34'-0"	
p(E)	32	#7	34'-9"	
p_1(E)	36	#7	38'-7"	
p_3(E)	4	#7	21'-0"	
p_4(E)	4	#7	26'-2"	
p_5(E)	4	#7	18'-4"	
s(E)	138	#4	17'-11"	
s_1(E)	16	#4	19'-9"	
u(E)	26	#7	15'-0"	
u_1(E)	12	#5	7'-5"	
u_2(E)	8	#5	5'-4"	
v(E)	120	#5	3'-4"	
v_1(E)	148	#4	3'-1"	
v_2(E)	148	#4	4'-10"	
v_3(E)	26	#4	5'-2"	
v_4(E)	99	#5	8'-8"	

Item	Unit	Quantity
Structure Excavation	Cu. Yd.	0
Concrete Structures	Cu. Yd.	148.8
Reinforcement Bars, Epoxy Coated	Pound	12,060
Porous Granular Embankment, Special	Cu. Yd.	248.5
Furnishing Steel Piles HP14x73	Foot	3,162
Driving Piles	Foot	3,162
Test Pile HP14x73	Each	1
Pile Shoes	Each	52
Concrete Sealer	Sq. Ft.	1335
Geocomposite Wall Drain	Sq. Yd.	90
Pipe Underdrains for Structures 4"	Foot	149.5
Concrete Encasement	Cu. Yd.	27.5

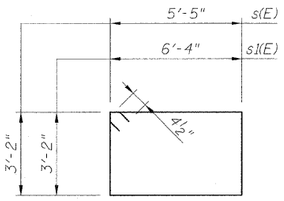
Note: Structure Excavation is not required at Abutments because the existing grade is below the bottom of the Abutments.



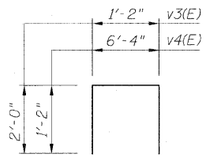
EXPANSION JOINT DETAIL



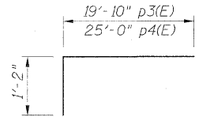
ANCHOR BOLT LOCATION DETAIL



BARS s(E) & s1(E)

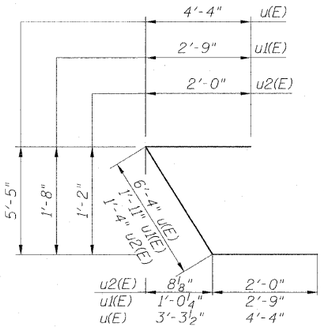


BARS v3(E) & v4(E)

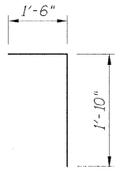


BARS p3(E), p4(E)

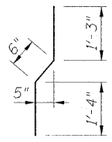
Cut to fit



BARS u(E), u1(E) & u2(E)



BAR v(E)



BAR v1(E)

NOTES:

1. Work sheets B37 thru B41 together.

REVISIONS NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
(NORTH AVENUE)
OVER E.J.&E. AND U.P. R.R.

WB & EB ABUTMENTS SECTIONS & DETAILS

STRUCTURE NUMBER 022-0190
FAP 307 SECTION 130 R-2
DUPAGE COUNTY
STA. 3357+81.21

SCALE: None DRAWN BY: CHD

DATE: NOVEMBER 1, 2011 CHECKED BY: MJP

AECOM