12:07:12 PM
7/22/2009
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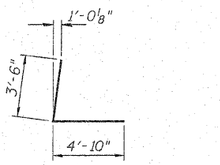
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

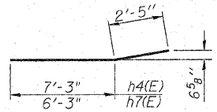
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	1-HBR-2F	WINNEBAGO	29	17
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 64F62		

SHEET NO. 15
27 SHEETS

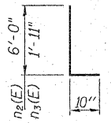


BAR $h_1(E)$

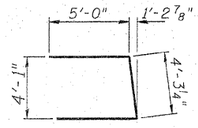
BAR $h_2(E)$



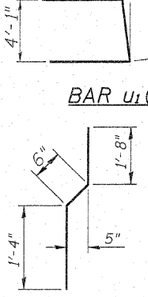
BARS $h_4(E)$ & $h_7(E)$



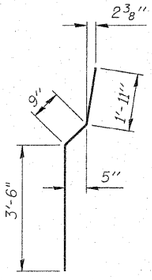
BAR $n_2(E)$ & BAR $n_3(E)$



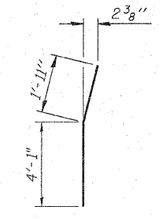
BAR $u_1(E)$



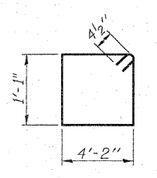
BAR $v_1(E)$



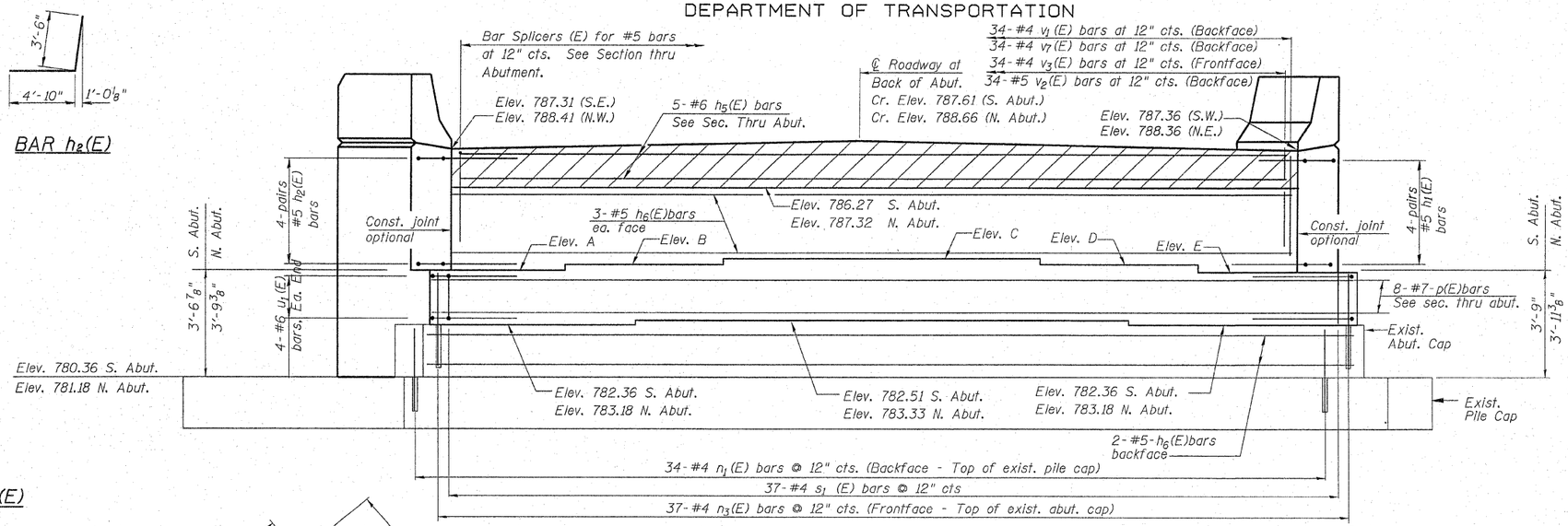
BAR $v_4(E)$



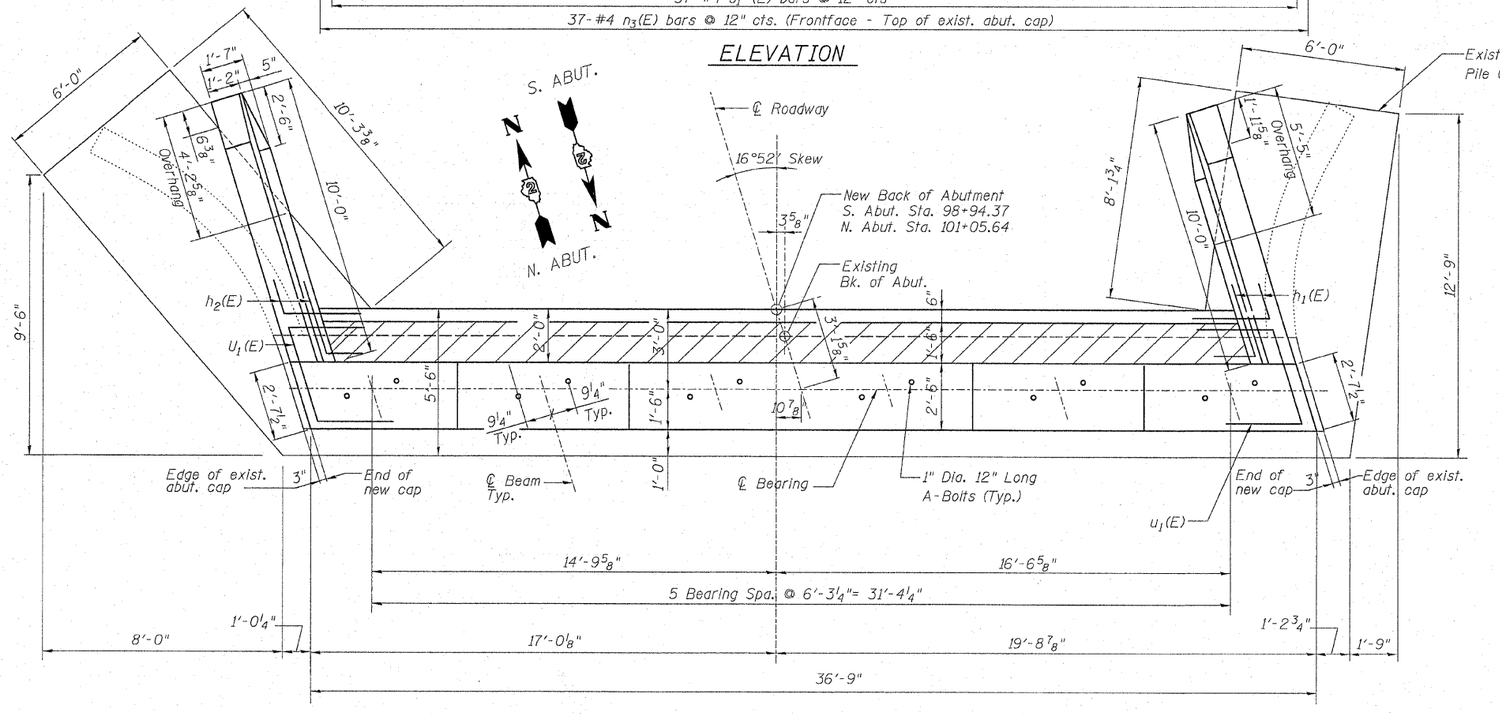
BAR $v_6(E)$



BARS $s_1(E)$



ELEVATION



TOP VIEW

	S. Abut.	N. Abut.
Elev. A	783.86	784.89
Elev. B	783.96	784.99
Elev. C	784.04	785.06
Elev. D	783.94	784.96
Elev. E	783.82	784.84

BILL OF MATERIAL (ONE ABUTMENT)

Bar	No.	Size	Length	Shape
h_1(E)	8	#5	8'-4"	
h_2(E)	8	#5	8'-4"	
h_3(E)	24	#4	9'-3"	
h_4(E)	16	#4	9'-8"	
h_5(E)	5	#6	33'-5"	
h_6(E)	8	#5	33'-5"	
h_7(E)	6	#4	8'-8"	
h_8(E)	6	#4	8'-1"	
n(E)	42	#5	7'-5"	
n_1(E)	34	#4	3'-5"	
n_2(E)	16	#5	6'-10"	
n_3(E)	37	#4	2'-9"	
p(E)	8	#7	36'-5"	
s_1(E)	37	#4	11'-3"	
u_1(E)	8	#6	14'-4"	
v_1(E)	34	#4	3'-6"	
v_2(E)	34	#5	3'-4"	
v_3(E)	34	#4	4'-9"	
v_4(E)	24	#5	6'-2"	
v_5(E)	32	#5	6'-1"	
v_6(E)	8	#5	6'-0"	
v_7(E)	34	#4	5'-9"	
Concrete Structures (S)		Cu. Yd.	25.2	
Concrete Structures (N)		Cu. Yd.	26.8	
Reinforcement Bars, Epoxy Coated		Pound	3,460	
Concrete Removal		Cu. Yd	15.6	
Concrete Sealer		Sq. Ft.	310	

For details of Bar Splicers, see sheet 21 of 27.

DESIGNED	GUN / OAO
CHECKED	FCO
DRAWN	TCS / GUN
CHECKED	FCO

FOR INFORMATION ONLY

NORTH AND SOUTH ABUTMENTS
MERIDIAN ROAD OVER US 20
F.A.P. 301 (US 20) - SEC. 1-HBR-2F
WINNEBAGO COUNTY
STATION 100+00
STRUCTURE NO. 101-0096

HOH
HARRY O. HEFTER-ASSOCIATES, INC.
DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd. Suite 660 Chicago, IL 60604 312-986-8121

PROJECT NUMBER 2945