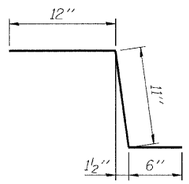
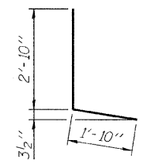
FAP ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	50-1 VB-1-BR	Cook	33	21
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 10 OF 16 SHEETS

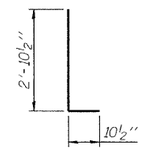
Contract # 60H76



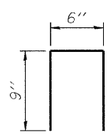
BAR c(E)



BAR d(E)



BAR d1(E)



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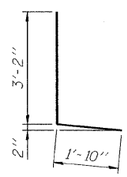

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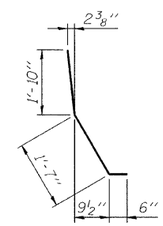
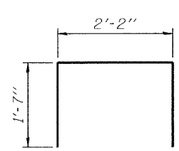
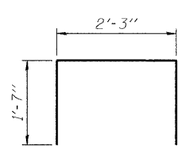


BAR d4(E)



BAR x(E)



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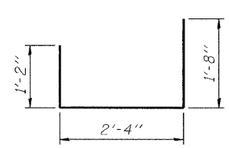

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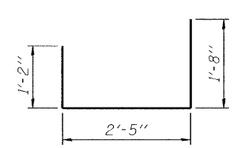

BAR x3(E)

SB S.N. 016-2512
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	20	#7	23'-8''	
a1(E)	20	#7	23'-2''	
a2(E)	40	#7	6'-8''	
a3(E)	120	#6	5'-10''	
a4(E)	20	#6	3'-1''	
c(E)	12	#5	2'-5''	
c1(E)	12	#5	6'-2''	
d(E)	14	#4	4'-8''	
d1(E)	14	#6	3'-9''	
d2(E)	8	#4	2'-0''	
d3(E)	14	#4	5'-0''	
d4(E)	14	#5	3'-11''	
x(E)	280	#6	5'-4''	
x3(E)	280	#6	5'-3''	
Concrete Superstructures			Cu. Yd.	42.8
Reinforcement Bars, Epoxy Coated			Pound	8,400

NB S.N. 016-2513
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	15	#7	23'-8''	
a1(E)	15	#7	23'-2''	
a2(E)	30	#7	6'-8''	
a3(E)	90	#6	5'-10''	
a4(E)	15	#6	3'-1''	
c(E)	11	#5	2'-5''	
c1(E)	11	#5	6'-2''	
d(E)	11	#4	4'-8''	
d1(E)	11	#6	3'-9''	
d2(E)	4	#4	2'-0''	
d3(E)	12	#4	5'-0''	
d4(E)	12	#5	3'-11''	
h(E)	4	#6	26'-6''	
h1(E)	4	#6	26'-0''	
x(E)	140	#6	5'-4''	
x1(E)	70	#6	5'-5''	
x2(E)	140	#6	5'-2''	
x3(E)	70	#6	5'-3''	
Concrete Superstructures			Cu. Yd.	35.2
Reinforcement Bars, Epoxy Coated			Pound	6,640

DESIGNED	E.E.J
CHECKED	J.A.Z.
DRAWN	E.E.J.
CHECKED	J.A.Z.

EXPANSION JOINT BILLS OF MATERAL
IL 50 (CICERO AVE) OVER BRC R.R.
F.A.P. 350, SECTION 50-1 VB-1-BR
COOK COUNTY

S.N. 016-2512 (S.B), 016-2513 (N.B.)

DATE: 10-23-09

GRAEF
CHICAGO ILLINOIS