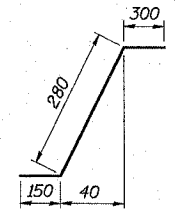
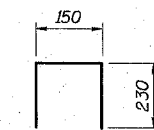


BILL OF MATERIAL

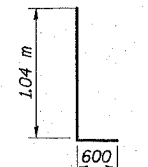
BAR	NO.	SIZE	LENGTH (m)	SHAPE
a(E)	698	#15	12.30	—
a1(E)	505	#15	12.00	—
a2(E)	48	#15	13.20	—
a3(E)	48	#15	17.18	—
a4(E)	35	#15	11.40	—
a5(E)	35	#15	18.98	—
a6(E)	39	#15	13.00	—
a7(E)	39	#15	18.80	—
a8(E)	160	#15	0.6	—
a9(E)	29	#15	13.00	—
a10(E)	29	#15	18.80	—
b(E)	175	#15	13.1	—
b1(E)	336	#15	12.25	—
b2(E)	400	#15	9.93	—
b3(E)	82	#25	10.0	—
b4(E)	175	#15	10.66	—
b5(E)	8	#15	14.2	—
b6(E)	9	#15	11.5	—
b7(E)	7	#15	13.66	—
b8(E)	16	#15	6.44	—
b9(E)	26	#15	5.24	—
c(E)	398	#15	2.27	—
c1(E)	480	#15	0.73	—
c2(E)	9	#15	6.56	—
c3(E)	54	#15	3.0	—
c4(E)	36	#15	3.20	—
d(E)	479	#15	1.385	—
d1(E)	479	#20	1.305	—
d2(E)	130	#15	0.61	—
d3(E)	20	#20	2.88	—
d4(E)	12	#20	1.64	—
e(E)	18	#15	4.3	—
e1(E)	96	#15	5.06	—
e2(E)	24	#15	2.85	—
e3(E)	18	#15	3.49	—
e4(E)	12	#15	4.025	—
e5(E)	12	#15	4.51	—
e6(E)	3	#15	4.0	—
e7(E)	3	#15	3.89	—
e8(E)	3	#15	4.02	—
e9(E)	3	#15	3.96	—



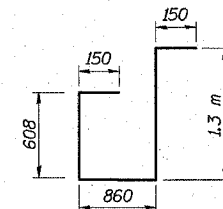
BAR c1(E)



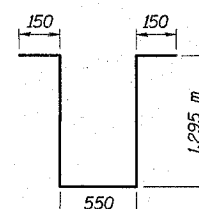
BAR d2(E)



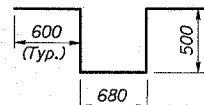
BAR d4(E)



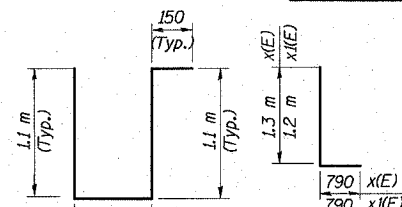
BAR s(E)



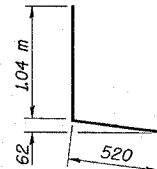
BAR s2(E)



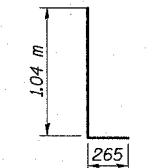
BAR d3(E)



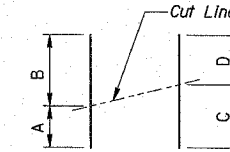
BARS s1(E), s3(E) & s4(E)



BAR d(E)

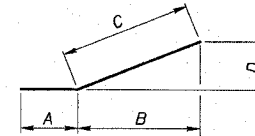


BAR d1(E)



BAR	A	B	C	D
a2(E)	5.94 m	7.26 m	6.60 m	6.60 m
a3(E)	7.05 m	10.13 m	8.59 m	8.59 m
a4(E)	5.10 m	6.30 m	5.70 m	5.70 m
a5(E)	7.89 m	11.09 m	9.49 m	9.49 m
a6(E)	5.72 m	7.28 m	6.50 m	6.50 m
a7(E)	8.12 m	10.68 m	9.40 m	9.40 m
a9(E)	4.82 m	8.18 m	6.50 m	6.50 m
a10(E)	6.76 m	12.04 m	9.40 m	9.40 m
b5(E)	1.10 m	13.10 m	7.10 m	7.10 m
b6(E)	1.10 m	10.50 m	5.80 m	5.80 m
b7(E)	6.83 m	6.83 m	13.91 m	13.91 m
c2(E)	3.28 m	3.28 m	1.00 m	1.00 m

BAR CUTTING DIAGRAM



BAR	A	B (m)	C (m)	D (m)
e6(E)	860	2.735	3.140	1.543
e7(E)	800	2.691	3.090	1.519
e8(E)	770	3.065	3.250	1.082
e9(E)	740	3.036	3.220	1.072

BAR	NO.	SIZE	LENGTH (m)	SHAPE
m(E)	124	#15	1.81	—
m1(E)	62	#20	1.44	—
m2(E)	10	#15	2.27	—
m3(E)	5	#20	1.90	—
m4(E)	32	#15	0.86	—
m5(E)	10	#15	1.39	—
m6(E)	16	#20	0.67	—
m7(E)	5	#20	1.02	—
m8(E)	16	#15	11.36	—
m9(E)	8	#20	11.17	—
m10(E)	4	#15	8.67	—
m11(E)	2	#20	8.75	—
m12(E)	8	#15	0.66	—
m13(E)	4	#20	0.47	—
m14(E)	12	#25	1.76	—
m15(E)	12	#15	1.46	—
m16(E)	6	#20	1.09	—
m17(E)	12	#15	2.43	—
m18(E)	4	#15	9.37	—
m19(E)	4	#15	12.30	—
m20(E)	2	#20	12.30	—
m21(E)	56	#15	1.10	—
m22(E)	112	#15	0.60	—
m23(E)	56	#15	1.33	—
m24(E)	6	#15	2.06	—
m25(E)	2	#20	9.45	—

s(E)	178	#15	3.39	—
s1(E)	132	#15	2.60	—
s2(E)	66	#15	3.44	—
s3(E)	66	#15	2.75	—
s4(E)	67	#15	2.712	—

v15(E)	202	#15	0.94	—
x(E)	204	#20	2.09	—
x1(E)	480	#20	1.99	—

Reinforcement Bars, Epoxy Coated	kg	68,410
Concrete Superstructure	m ³	590.1
Bridge Deck Grooving	m ²	1453
Protective Coat	m ²	1975

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
All dimensions are in millimeters (mm) except as noted.

COLLINS ENGINEERS
123 N. WACKER DR., SUITE 300
CHICAGO, IL 60606
(312) 704-9300
ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO. 194-00883

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90 (I-90)
AT NAGLE AVENUE
F.A.U. RTE. 2783 SEC 1314B
COOK COUNTY STATION 1+001.212
STRUCTURE NO. 016-0708

SUPERSTRUCTURE DETAILS-VIII

DRAWN BY KAC
CHECKED BY LDB/DGS
DATE: DEC. 2004