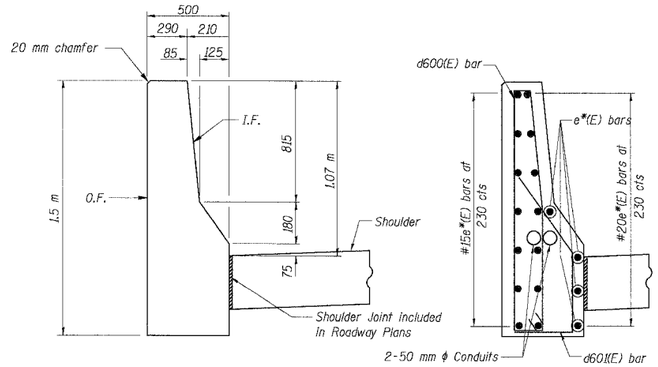
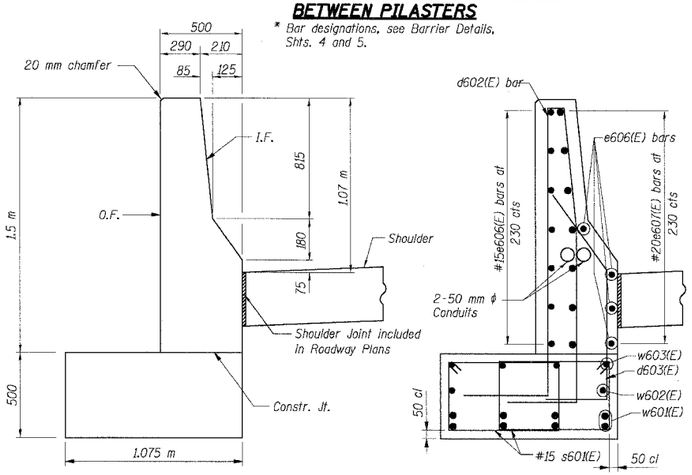
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK	1207	531
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62114



TYPICAL SECTION THRU TRAFFIC BARRIER BETWEEN PILASTERS

* Bar designations, see Barrier Details, Shts. 4 and 5.



SECTION THRU TRAFFIC BARRIER BETWEEN PILASTERS AT SEGMENT D

TYPICAL PILASTER REINFORCING TABLE**

Bar	No.	Size	Length	Shape
d605(E)	5	#20	2.22	
d606(E)	7	#20	2.02	
d607(E)	5	#20	2.86	
d608(E)	1	#20	3.06	
d609(E)	4	#20	3.32	
u600(E)	5	#20	2.15	

** Bars shown are for one pilaster

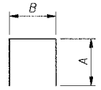
SEGMENT D PILASTER REINFORCING TABLE**

Bar	No.	Size	Length	Shape
d610(E)	5	#20	2.82	
d611(E)	7	#20	2.62	
d612(E)	5	#20	3.16	
d613(E)	1	#20	3.32	
d614(E)	4	#20	3.58	
u601(E)	5	#20	2.3	

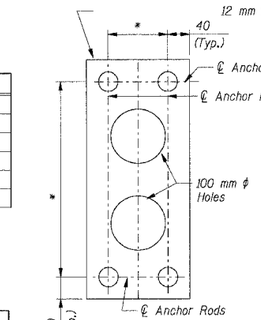
** Bars shown are for one pilaster (Segment D)

1

Bar u602(E), u620(E) thru u625(E) and w603(E)

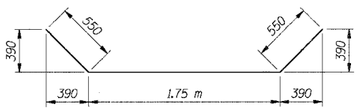


BAR	A (mm)	B (mm)
u602(E)	380	940
u620(E)	260	730
u621(E)	260	950
u622(E)	550	1300
u623(E)	630	1300
u624(E)	350	100
u625(E)	260	380
w603(E)	320	8700

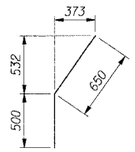


ANCHOR ROD ASSEMBLY FOR NOISE WALL

(156 Required)
(see Note 6)

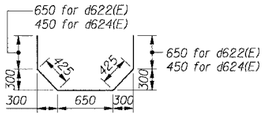


Bar h622(E)

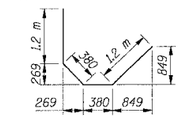


Bar d620(E)

Bar d621(E)



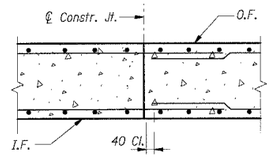
Bar d622(E) and d624(E)



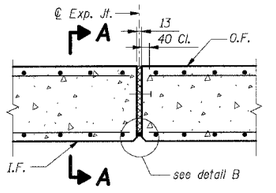
Bar d623(E)

BAR LIST

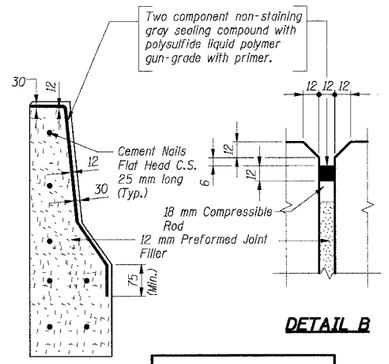
Bar	No.	Size	Length (m)	Shape
d600(E)	338	#15	3.54	
d601(E)	402	#15	1.43	
d602(E)	22	#15	4.76	
d603(E)	28	#15	1.83	
d605(E)	165	#20	2.22	
d606(E)	231	#20	2.02	
d607(E)	165	#20	2.86	
d608(E)	33	#20	3.06	
d609(E)	132	#20	3.32	
d610(E)	10	#20	2.82	



CONSTRUCTION JOINT DETAIL



EXPANSION JOINT DETAIL



DETAIL B

SECTION A-A

THIS SHEET FOR INFORMATION ONLY

BAR LIST

Bar	No.	Size	Length (m)	Shape
d611(E)	14	#20	2.62	
d612(E)	10	#20	3.16	
d613(E)	2	#20	3.32	
d614(E)	8	#20	3.58	
d620(E)	14	#20	1.15	
d621(E)	14	#15	1.26	
d622(E)	14	#15	2.80	
d623(E)	20	#15	3.16	
d624(E)	6	#15	2.40	
e600(E)	55	#15	7.10	
e601(E)	35	#20	7.10	
e602(E)	11	#15	6.35	
e603(E)	7	#20	6.57	
e604(E)	99	#15	8.10	
e605(E)	63	#20	8.31	
e606(E)	11	#15	11.70	
e607(E)	7	#20	11.91	
e608(E)	22	#15	5.60	
e609(E)	14	#20	5.81	
e610(E)	4	#20	2.45	
h620(E)	16	#15	0.84	
h621(E)	2	#15	1.30	
h622(E)	10	#15	2.85	
h623(E)	10	#15	2.45	
h624(E)	40	#15	4.20	
h625(E)	4	#15	2.25	
h626(E)	2	#15	0.20	
s601(E)	60	#15	2.42	
u600(E)	165	#20	2.15	
u601(E)	10	#20	2.30	
u602(E)	6	#15	1.70	
u620(E)	10	#15	1.25	
u621(E)	14	#15	1.47	
u622(E)	6	#15	2.40	
u623(E)	14	#15	2.56	
u624(E)	22	#10	0.80	
u625(E)	25	#15	0.90	
v620(E)	10	#25	1.93	
v621(E)	34	#25	2.82	
v622(E)	25	#15	2.87	
v623(E)	21	#15	2.82	
v624(E)	8	#15	1.10	
w601(E)	8	#25	8.70	
w602(E)	2	#20	8.70	
w603(E)	4	#20	9.34	

BILL OF MATERIAL

1

Item	Unit	Total
Concrete Structures	Cu m	129.0
Reinforcing Bars, Epoxy Coated	kg	15,420
Furnishing and Erecting Structural Steel	kg	1,225
Protective Coat***	Sq m	213

*** To be applied to top and inside face of traffic barrier.

Notes:

1. O.F. indicates Outside Face
2. I.F. indicates Inside Face
   E.F. indicates Each Face
3. All dimensions are in millimeters (mm) except as noted.
4. Bonded Construction Joint in accordance with Article 503.09 (b) of the Standard Specifications.
5. Bars designated (E) shall be epoxy coated.
6. Anchor Rod assembly shall be paid for as Furnishing and Erecting Structural Steel. Installation templates will not be measured for payment.

1

SHT. 7 OF 9

REVISIONS	
NAME	DATE
NK	06/09/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
IL ROUTE 83 RECONSTRUCTION
COOK COUNTY

TRAFFIC BARRIER AT NOISEWALL SECTIONS & DETAILS - 2

SCALE:
DATE: 02/20/2004

DRAWN BY: NK
CHECKED BY: VCP

TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

BA-ZEKKI
I:\DOCUMENTS\93750\STRUCTS\DGN\RSB3832A.DGN
7-9-2005, 3:36:54
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63