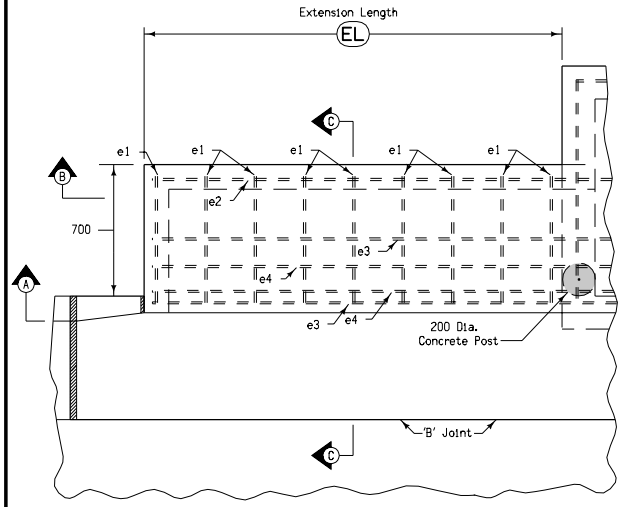
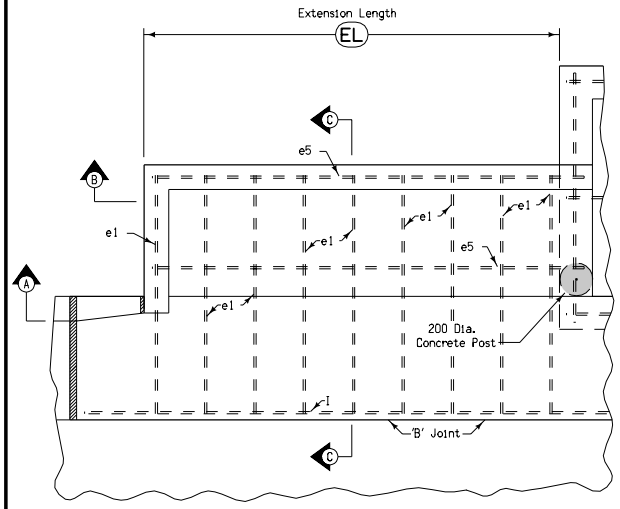
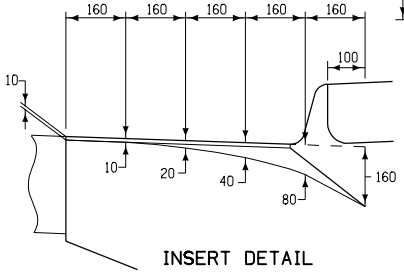


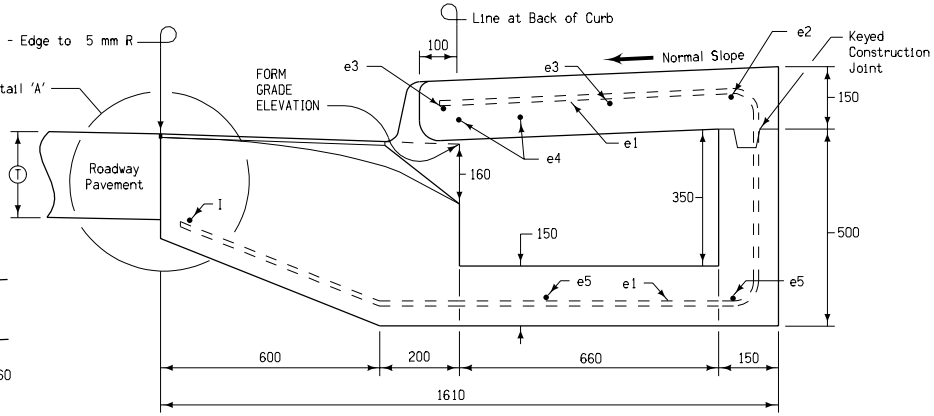
PLAN VIEW
TOP OF EXTENSION REINFORCING PLACEMENT



PLAN VIEW
BOTTOM OF EXTENSION REINFORCING PLACEMENT



INSERT DETAIL



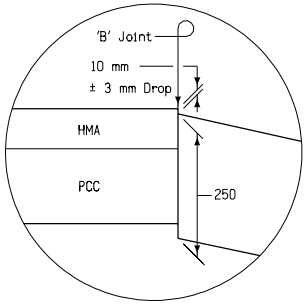
SECTION C-C

REINFORCING BAR LIST (LO) = 3.6 m						
MARK	SIZE	LOCATION	NO.	LENGTH	MASS	SPACING
e1	15	Top/Base	9	2805	39.63	300
e2	15	Top	1	3050	4.79	
e3	15	Top	2	3900	12.25	390
e4	15	Top	2	3900	12.25	150
e5	15	Base	2	2500	7.85	550
I *	15	Insert	1	4830	7.58	
* With 5.03 m Boxout.				Total	84.65 kg	

REINFORCING BAR LIST (LO) = 4.2 m						
MARK	SIZE	LOCATION	NO.	LENGTH	MASS	SPACING
e1	15	Top/Base	11	2805	39.63	300
e2	15	Top	1	3650	5.73	
e3	15	Top	2	4500	14.13	390
e4	15	Top	2	4500	14.13	150
e5	15	Base	2	3100	9.73	550
I *	15	Insert	1	5440	8.54	
* With 5.64 m Boxout.				Total	91.89 kg	

REINFORCING BAR LIST (LO) = 4.8 m						
MARK	SIZE	LOCATION	NO.	LENGTH	MASS	SPACING
e1	15	Top/Base	13	2805	57.25	300
e2	15	Top	1	4250	6.67	
e3	15	Top	2	5100	16.01	390
e4	15	Top	2	5100	16.01	150
e5	15	Base	2	3700	11.62	550
I *	15	Insert	1	6050	9.50	
* With 6.25 m Boxout.				Total	117.06 kg	

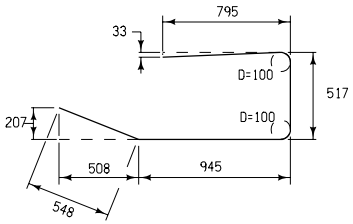
REINFORCING BAR LIST (LO) = 5.4 m						
MARK	SIZE	LOCATION	NO.	LENGTH	MASS	SPACING
e1	15	Top/Base	15	2805	66.06	300
e2	15	Top	1	4850	7.61	
e3	15	Top	2	5700	17.90	390
e4	15	Top	2	5700	17.90	150
e5	15	Base	2	4300	13.50	550
I *	15	Insert	1	6660	10.46	
* With 6.86 m Boxout.				Total	133.43 kg	



DETAIL 'A'

Use when adjacent pavement is HMA or composite.

BENT BAR DETAILS



e1

NOTE: ALL DIMENSIONS ARE OUT TO OUT
D = PIN DIAMETER

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN **RA-70(3)**

REVISION: Added special shaping of Insert.

REVISION NO.	REVISION DATE
1	10-29-02

APPROVED BY DESIGN METHODS ENGINEER

CURB INTAKE WITH
EXTENDED OPENING
(SHEET 3 OF 3)