

PLAN VIEW
(RA-42 EXTENSION AND RA-41 INTAKE)

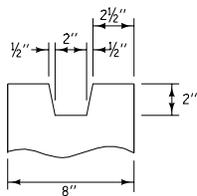
Extension unit may be used on either or both sides of intakes. Details are similar when extension unit is on the opposite side.

Dimensions shown are for the construction of a 6 inch standard curb as a part of pavement. Modifications may be made to conform to other curb shapes.

Contract Item:

Intake Extension Unit, RA-42

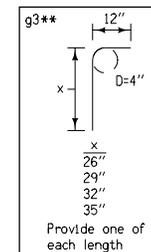
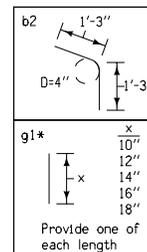
① The location station is where the centerline of intake meets the back of curb line.



KEYED CONSTRUCTION
JOINT DETAIL

Placing sequence: 1. Base; 2. Walls and Extension; 3. Top; 4. Insert

REINFORCING BAR LIST							
BAR	SIZE	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	SPACING
b2	4	Intake Wall		3	2'-6"	5.0	9"
f1	4	Bottom		3	4'-9"	9.5	9"
f2	4	Bottom		4	1'-7"	4.2	18"
g1	4	Wall		5	Varies*	3.9	12"
g2	4	Wall		1	4'-8"	3.1	-
g3	4	Top		4	Varies**	6.8	18"
g4	4	Top		3	6'-4"	12.7	-
Total						45 lbs.	



Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN RA-42(1)

REVISION: Change 'E' Joint to 'ED' Joint and remove notes covered in Specifications Book.	REVISION NO. 2
<i>William J. Allen</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 04-19-05

**INTAKE EXTENSION UNIT
(FOR STANDARD RA-41 INTAKE)**
(SHEET 1 OF 3)