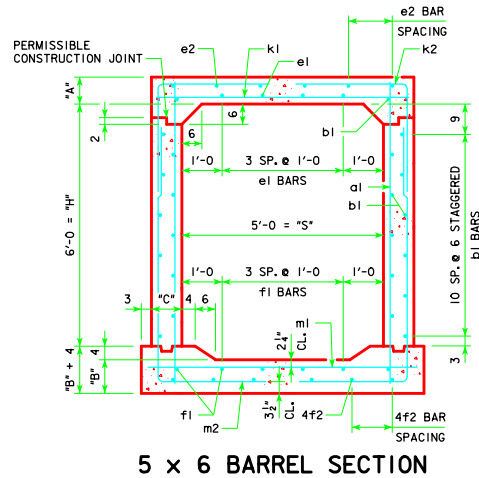
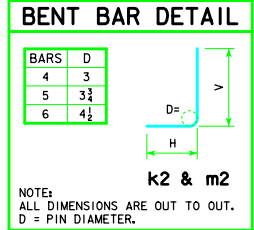


VARIABLE DIMENSIONS AND QUANTITIES FOR 5 x 6 BARREL SECTIONS

DIMENSIONS										BAR LIST																		QUANTITIES																					
FILL	S	H	A	B	C	D	SIZE	SP.	L	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	CONCRETE (CY/FT)	STEEL (LB/FT)								
0	1	2	3-4	5-7	8-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	k1	k2	k9	m1	m2	m9	SLAB	FLOOR	WALLS	TOTAL																									
0	5	6	10	10	9	9	4	9	7'-7	4	6	24	5	12	4	4	11	6	4	12	6	4	11	6	6	9	6'-2	5	12	7'-0	4'-0	3'-0	--	--	6	9	6'-8	5	12	10'-3	4'-0	6'-3	--	--	0.233	0.253	0.313	0.799	111.29
1	5	6	8.5	10	9	9	4	9	7'-5	4	6	24	5	12	4	4	11	6	4	12	6	4	11	6	6	9	6'-2	5	12	6'-11	4'-0	2'-11	--	--	6	9	6'-8	5	12	10'-3	4'-0	6'-3	--	--	0.203	0.253	0.313	0.769	110.79
2	5	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	4	4	11	6	4	12	6	4	11	6	5	9	6'-2	5	12	6'-10	4'-0	2'-10	--	--	6	9	6'-8	5	12	10'-3	4'-0	6'-3	--	--	0.193	0.253	0.313	0.759	105.16
3-4	5	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	4	4	11	6	4	12	6	4	11	6	4	6	6'-2	5	12	6'-10	4'-0	2'-10	--	--	4	6	6'-8	5	12	10'-3	4'-0	6'-3	--	--	0.193	0.253	0.313	0.759	99.58
5-7	5	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	4	4	11	6	4	12	6	4	11	6	5	12	6'-2	5	12	6'-6	3'-8	2'-10	--	--	4	6	6'-8	5	12	9'-4	3'-1	6'-3	--	--	0.193	0.253	0.313	0.759	95.37
8-10	5	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	4	4	13	6	4	12	6	4	12	6	5	12	6'-2	5	12	5'-8	2'-10	2'-10	5	6'-2	4	6	6'-8	5	12	8'-11	2'-8	6'-3	5	6'-8	0.193	0.253	0.313	0.759	93.29
11-15	5	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	4	4	10	6	4	12	6	4	10	6	5	9	6'-2	5	12	5'-2	2'-4	2'-10	5	6'-2	6	9	6'-8	5	12	8'-7	2'-4	6'-3	5	6'-8	0.193	0.253	0.313	0.759	98.37
16-20	5	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	4	4	10	6	4	12	6	4	10	6	6	9	6'-2	5	12	5'-1	2'-3	2'-10	5	6'-2	6	9	6'-8	5	12	8'-6	2'-3	6'-3	5	6'-8	0.193	0.253	0.313	0.759	101.95
21-25	5	6	8	10	9	9	4	12	7'-5	4	6	24	4	12	4	4	18	4	4	12	6	4	9	6	6	9	6'-2	4	6	4'-11	2'-1	2'-10	4	6'-2	5	6	6'-8	4	6	8'-5	2'-2	6'-3	4	6'-8	0.193	0.253	0.313	0.759	102.87
26-30	5	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	4	4	18	4	4	12	6	4	9	6	5	6	6'-2	4	6	4'-11	2'-1	2'-10	4	6'-2	7	9	6'-8	4	6	8'-5	2'-2	6'-3	4	6'-8	0.193	0.253	0.313	0.759	111.03
31-35	5	6	8	10.5	9	9	4	9	7'-5	4	6	24	4	12	4	4	18	4	4	12	6	4	9	6	7	9	6'-2	4	6	4'-11	2'-1	2'-10	4	6'-2	6	6	6'-8	4	6	8'-6	2'-2	6'-4	4	6'-8	0.193	0.263	0.313	0.769	117.08
36-40	5	6	8.5	11	9.5	9	4	9	7'-6	4	6	24	4	12	4	4	10	6	4	12	6	4	10	6	7	9	6'-3	6	12	5'-7	2'-4	3'-3	6	6'-3	6	6	6'-9	6	12	8'-9	2'-5	6'-4	6	6'-9	0.206	0.278	0.330	0.814	129.79
41-45	5	6	9	11.5	10	9	5	12	7'-7	4	6	24	4	12	4	4	10	6	4	12	6	4	10	6	6	6	6'-4	6	12	5'-7	2'-4	3'-3	6	6'-4	6	6	6'-10	6	12	8'-10	2'-5	6'-5	6	6'-10	0.220	0.293	0.347	0.860	134.55
46-50	5	6	9.5	12	11	9	4	12	7'-8	4	6	24	4	12	4	4	10	6	4	12	6	4	10	6	6	6	6'-6	6	9	5'-9	2'-5	3'-4	6	6'-6	6	6	7'-0	6	9	8'-10	2'-5	6'-5	6	7'-0	0.238	0.311	0.383	0.932	144.24
51-55	5	6	10.5	12.5	11.5	9	4	12	7'-10	4	6	24	4	12	4	4	9	6	4	12	6	4	9	6	6	6	6'-7	5	6	5'-4	2'-4	3'-0	5	6'-7	6	6	7'-1	5	6	8'-11	2'-5	6'-6	5	7'-1	0.263	0.326	0.400	0.989	143.79



NOTES:

1. DIMENSIONS LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH SHEET RCB G2-12.
2. THE K2 AND M2 BARS HORIZONTAL LEGS MAY LAP IN LOW FILL SITUATIONS.
3. DIMENSIONS "A", "B", "C", "D", AND "SP." LISTED IN THE BAR LIST ARE IN INCHES.

LATEST REVISION DATE <i>Norman E. Mc Donald</i> APPROVED BY BRIDGE ENGINEER	Iowa Department of Transportation Highway Division
	STANDARD DESIGN SINGLE REINFORCED CONCRETE BOX CULVERTS APRIL, 2012
	CULVERT BARREL DETAILS 5 x 6 BARREL SECTIONS

RCB 5-6-12