B-10

TYPE I HEADWALL DIMENSIONS AND REINFORCING STEEL

0° SKEW

H=Height In Feet	h= All Wings Except B For 45° Skew	AA & BB	CC & DD	C & D	E & K	F & L	G & M	J & N	Wings A&B G Bars Size	Wings A&B G Bars Spacing	Wings A&B F Bars Size	Wings A&B F Bars Spacing
3	6–7	4	4–2	8	1–4	0–10	2–1	3–4	4	12	4	12
4	7–7	5	5–8	8	1–6	1–2	2–10	3–10	4	12	4	12
5	8–7	6–2	6–2	8	1–9	1–3	3–1	4–4	4	12	4	12
6	9–7	7–2	6–8	8	1–11	1–4	3–4	4–10	4	10½	4	12
7	10–7	8–4	7–3	8	2–2	1–6	3–8	5–4	4	7	4	12
8	11–7	9–4	7–9	8	2–4	1–7	3–11	5–10	6	10½	4	11
9	12–7	10–5	8–3	9	2–6	1–8	4–2	6–4	6	9	4	9
10	13–7	11–6	8–10	10	2–9	1–9	4–5	6–10	6	7½	4	6½
12	15–7	13–7	9–11	12	3–2	2	5	7–10	7	7	5	6½

15° SKEW

H=Height In Feet	AA	BB	CC	DD	C	D	E & K	F	G	J & N	L	M	Wing A G Bars Size	Wing A G Bars Spacing	Wing A F Bars Size	Wing A F Bars Spacing	Wing B G Bars Size	Wing B G Bars Spacing	Wing B F Bars Size	Wing B F Bars Spacing
3	3–7	4–8	4–11	5–7	8	8	1–4	1	2–6	3–4	1–2	2–10	4	12	4	12	4	12	4	12
4	4–6	5–11	5–4	6–2	8	8	1–6	1–1	2–8	3–10	1–3	3–1	4	12	4	12	4	12	4	12
5	5–6	7–2	5–9	6–9	8	8	1–9	1–2	2–11	4–4	1–4	3–5	4	12	4	12	4	10	4	12
6	6–5	8–5	6–3	7–4	8	8	1–11	1–3	3–2	4–10	1–6	3–8	4	12	4	12	4	6½	4	12
7	7–6	9–9	6–9	8	8	8	2–2	1–4	3–5	5–4	1–7	4	4	8½	4	12	6	10	4	12
8	8–5	11	7–2	8–7	9	9	2–4	1–5	3–7	5–10	1–8	4–4	6	12	4	12	6	8	4	9½
9	9–4	12–3	7–7	9–2	9	10	2–6	1–6	3–10	6–4	1–10	4–7	6	10	4	10	7	9	4	8
10	10–4	13–6	8–1	9–11	9	12	2–9	1–7	4–1	6–10	2	5	6	8	4	8½	7	7½	4	6
12	12–3	15–11	9–1	11–4	11	15	3–2	1–10	4–7	7–10	2–3	5–8	7	7½	5	6½	7	6	5	6

30° SKEW

H=Height In Feet	h= All Wings Except B For 45° Skew	AA	BB	CC	DD	C	D	E & K	F	G	J & N	L	M	Wing A G Bars Size	Wing A G Bars Spacing	Wing A F Bars Size	Wing A F Bars Spacing	Wing B G Bars Size	Wing B G Bars Spacing	Wing B F Bars Size	Wing B F Bars Spacing
3	6–7	3–4	5–10	4–8	6–2	8	8	1–4	0–11	2–4	3–4	1–3	3–4	4	12	4	12	4	12	4	12
4	7–7	4–3	7–5	5–2	6–11	8	8	1–6	1	2–7	3–10	1–6	3–10	4	12	4	12	4	8½	4	12
5	8–7	5–2	8–11	5–6	7–8	8	8	1–9	1–1	2–9	4–4	1–9	4–4	4	12	4	12	4	6½	4	12
6	9–7	6–1	10–6	5–11	8–4	8	8	1–11	1–2	3	4–10	1–8	4–10	4	12	4	12	6	12	4	12
7	10–7	7	12–2	6–5	9–3	9	9	2–2	1–4	3–3	5–4	1–10	5–4	4	10½	4	12	6	8½	4	10½
8	11–7	7–11	13–9	6–10	10	9	9	2–4	1–5	3–5	5–10	2–4	5–10	4	6	4	12	6	7	4	7½
9	12–7	8–10	15–3	7–3	10–9	9	12	2–6	1–6	3–8	6–4	2–6	6–4	5	7½	4	9	7	8	5	7
10	13–7	9–9	16–10	7–8	11–7	9	13	2–9	1–7	3–10	6–10	2–9	6–10	6	9	4	7½	7	6½	6	7½
12	15–7	11–6	19–11	8–7	13–3	11	16	3–2	1–9	4–4	7–10	3–2	7–10	7	9	5	7½	8	6½	6	7½

45° SKEW

H=Height In Feet	AA	BB	CC	DD	C	D	E & K & L	F	G	J & M & N	Wing B h	Wing B DD	Wing A G Bars Size	Wing A G Bars Spacing	Wing A F Bars Size	Wing A F Bars Spacing	Wing B G Bars Size	Wing B G Bars Spacing	Wing B F Bars Size	Wing B F Bars Spacing
3	3–4	8–4	4–7	6–7	8	8	1–4	0–11	2–4	3–4	6–7	6–7	4	12	4	12	4	12	4	12
4	4–2	10–5	5	7–7	8	8	1–6	1	2–6	3–10	7–7	7–7	4	12	4	12	5	9½	4	12
5	5–1	12–7	5–5	8–7	9	9	1–9	1–1	2–9	4–4	8–7	8–7	4	12	4	12	6	9½	4	11
6	5–11	14–8	5–10	9–7	10	10	1–11	1–2	2–11	4–10	9–7	9–7	4	12	4	12	7	10	4	6½
7	6–11	17	6–3	10–7	12	12	2–2	1–3	3–2	5–4	10–7	10–7	4	10½	4	12	7	8½	5	7½
8	7–9	19–1	6–8	11–7	12	12	2–4	1–4	3–4	5–10	11–7	11–7	4	7	4	12	7	6½	6	8
9	8–7	21–2	7–1	12–7	9	14	2–6	1–5	3–7	6–4	12–7	12–7	5	8	4	10	7	6	6	7½
10	9–6	23–4	7–6	13–7	9	16	2–9	1–6	3–9	6–10	13–7	13–7	6	9½	4	7½	8	6½	8	10
12	11–3	27–7	8–6	15–9	11	20	3–2	1–8	4–2	7–10	15–9	15–9	7	9	5	7	7	8	8	8½

SHEET 2 OF 2

NEVADA DEPARTMENT OF TRANSPORTATION

RCB CULVERTS
TYPE I HEADWALLS

Signed Original On File
CHIEF BRIDGE ENGINEER

B-20.1.5.1 (502)
ADOPTED 11/70 REVISION 1/09