



**NOTE:**

1. All headwalls are oriented parallel to the roadway centerline unless otherwise indicated in the plans or by the CO.
2. When pipes are on a skew, adapt and lengthen headwalls as directed.
3. Chamfer all exposed corners not rounded to 20 mm.
4. Quantities shown are for one headwall with pipe at right angles.
5. Construct headwalls using dimensions shown under values for 1V:1.5H slope, unless otherwise designated by the CO.
6. Dimensions without units are millimeters.

<b>HEADWALL FOR CIRCULAR PIPE</b>						
DIAMETER OF PIPE CULVERT						
	300	375	450	525 or 600	675 or 750	825 or 900
A	150	200	225	275	300	300
B	225	325	375	450	525	600
C	350	475	525	650	750	825
D	300	375	450	600	750	900
F	150	200	200	225	225	225
H	600	875	950	1,125	1,275	1,425
L	1,100	1,500	1,800	2,400	3,000	3,600
CUBIC METERS OF CONCRETE						
Conc. Pipe	0.127	0.359	0.516	0.974	1.528	2.185
C.M. Pipe	0.137	0.379	0.546	1.032	1.624	2.326

<b>HEADWALL FOR ELLIPTICAL PIPE</b>										
SIZE OF ELLIPTICAL PIPE CULVERT (SPAN x RISE)										
	575 x 350	750 x 475	850 x 550	950 x 600	1,050 x 675	1,125 x 725	1,225 x 800	1,325 x 850	1,500 x 950	1,700 x 1,075
A	200	225	250	275	275	300	300	300	300	300
B	350	425	450	500	525	550	575	575	575	600
C	500	575	625	700	725	775	800	825	975	1,050
D	350	475	550	600	675	725	800	850	950	1,075
F	200	200	225	225	225	225	225	225	225	225
H	850	975	1,075	1,125	1,200	1,250	1,325	1,375	1,475	1,600
L	1,625	2,150	2,550	2,750	3,050	3,275	3,625	3,875	3,900	3,900
S	575	750	850	950	1,050	1,125	1,225	1,325	1,500	1,700
CUBIC METERS OF CONCRETE										
Conc. Pipe	0.378	0.639	0.913	1.119	1.352	1.569	1.876	2.074	2.241	2.363

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
FEDERAL LANDS HIGHWAY

METRIC STANDARD

**CONCRETE HEADWALL FOR  
SMALL PIPE CULVERT**

STANDARD APPROVED FOR USE 3/1996  
REVISED: 5/1997 6/2005

STANDARD  
**M601-4**

NO SCALE

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