

(1) Skew Angle = 0°

(2) At discharge end, chamfer may be ?".

(3) For 15^ Skew ~ 1" For 30[^] Skew ~ 2" For 45[^] Skew ~ 3"

(4) Quantities shown are for two wings. To determine total quantities for two wings, multiply the tabulated values by Lw.

(5) Provide weepholes for Hw = 5'-0" and greater. Fill around weepholes with coarse gravel.

(6) Extend Bars E 1'-6" minimum into the bottom slab of the culvert.

(7) Lap Bars M 11'-6" minimum with Bars M . 2

(8) Bars G shall be equally spaced at 8" maximum, placed as shown. There shall be at least two pair Bars G per wing.

(9) 0" min to 5'-0" max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail, bicycle rail or curbs taller than 1'-0", refer to ECD standard. For structures with T6 bridge rail, refer to T6-CM standard. For structures with traffic rail, other than T6, refer to RAC standard.

(10) For vehicle safety, the following requirements must be met:

- For structures without bridge rail, curbs shall project no more than 3" above finished grade.

- For structures with bridge rail, curbs shall be flush with finished grade.

Curb heights shall be reduced, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

(11) 1'-0" typical. 2'-0" typical when RAC standard is referenced elsewhere in the plans.

GENERAL NOTES:

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Designed according to AASHTO LRFD Specifications. All reinforcing steel shall be Grade 60.

All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.

All reinforcing bars shall be adjusted to provide a minimum of 1 ¼" clear cover. When structure is founded on solid rock, depth of

toewalls for culverts and wingwalls may be reduced or eliminated as directed by the Engineer. See BCS sheet for additional dimensions and

The quantities for concrete and reinforcing steel resulting from the formulas given on this sheet are for Contractor's information only.



WITH PARALLEL WINGS FOR SKEWED AND NON-SKEWED BOX CULVERTS

DN: GAF CK: CAT DW: TxDOT pwstde01.dgn ©TxDOT February 2010 DISTRICT FEDERAL AID PROJECT CONTROL SECT JOB HIGHWAY

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