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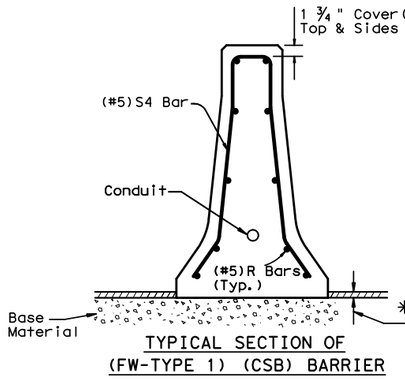
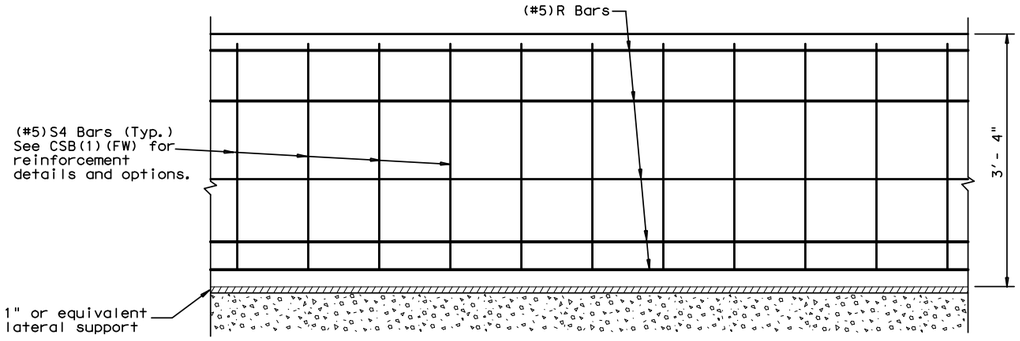


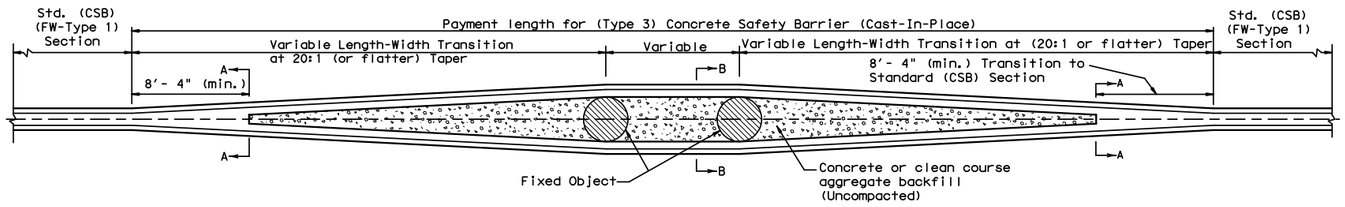
TYPICAL SECTION OF (FW-TYPE 1) (CSB) BARRIER



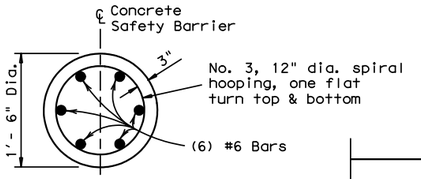
ELEVATION OF (FW-TYPE 1) ROADWAY (CSB) BARRIER

See CSB(1)(FW) for reinforcement details and options.

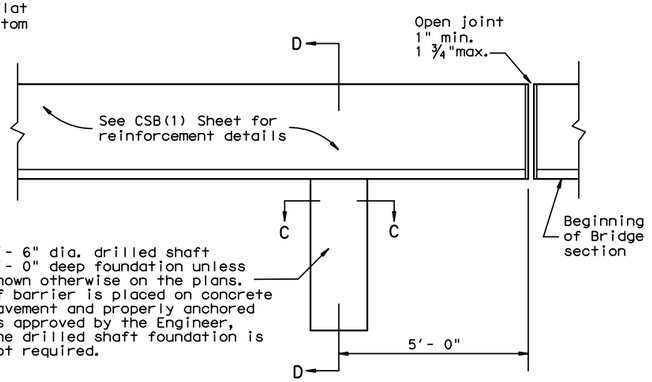
* When 1" ACP is not used for lateral support, these dimensions shall be adjusted accordingly. Permissible methods of attaining equivalent lateral support include: (1) Provision of #8 dowel bars, 12" in length, 4' C-C spacing, placed vertically with approximately one-half the bar length embedded below the concrete traffic barrier, or (2) 1" min. deep keyway in concrete pavement, excess width in keyway backfill with grout.



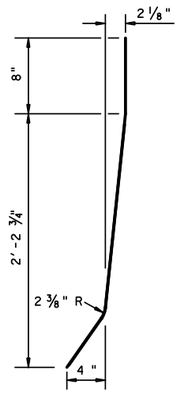
PLAN FW-TYPE 3 BARRIER



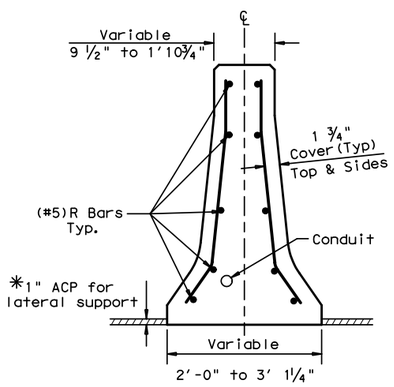
SECTION C-C



ANCHOR OR TERMINAL - ELEVATION



#5 T Bar

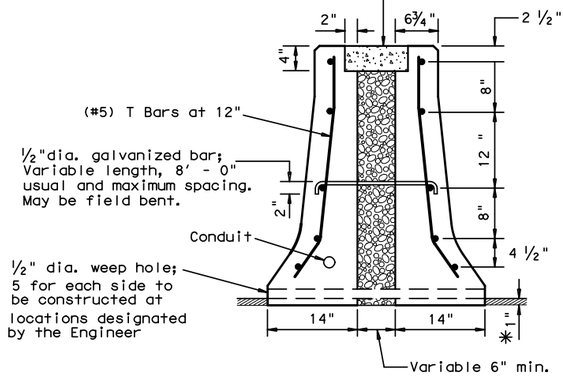


SECTION A-A

FW-TYPE 3 BARRIER

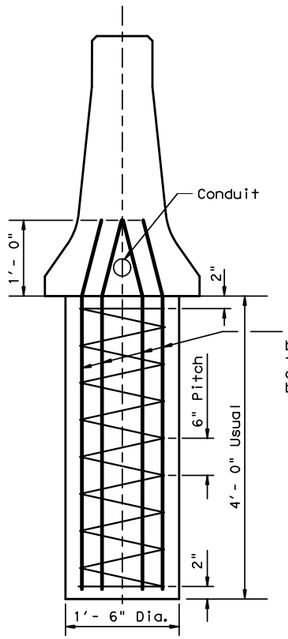
Reinforcement position with respect to he outside surface for (FW-Type 3) barrier is the same as shown for (FW-Type 1) roadway CSB except as detailed on section B-B.

Note:
Outside face dimensions and slopes for (FW-Type 3) CSB are the same as for (FW-Type 1) roadway CSB.



SECTION B-B

FW-TYPE 3 BARRIER



ANCHOR DETAIL - SECTION D-D

GENERAL NOTES

1. Axis of concrete barrier shall be vertical, except where roadway is superelevated, then axis shall be normal to roadway surface.
2. All steel fittings shall be galvanized after fabrication.
3. Bid price per liner foot of (FW-Type 1) CSB and (FW-Type 3) CSB, including terminal and anchor sections, shall include all of the concrete, reinforcement, drilled shaft foundations and aggregate backfill.
4. All concrete for (FW-Type 1) CSB and (FW-Type 3) CSB, including drilled shaft foundation, shall be class C or H.
5. Longitudinal and vertical bars for roadway barrier shall conform to ASTM A615 (Grade 60), unless otherwise specified.
6. At construction joints for the roadway barrier, the longitudinal bars shall extend beyond the joint so that bar splices will be a minimum of two feet from the construction joint.
7. Bar splices for roadway barrier shall be a minimum of 24 times the nominal diameter of the bar.
8. Any method devised by the contractor and approved by the Engineer that will assure the longitudinal steel for (FW-Type 1) CSB and (FW-Type 3) CSB will be positioned ±½ inch as dimensioned will be satisfactory.
9. Conduit to be provided only when called for elsewhere in the plans. Position of conduit may be adjusted to facilitate construction subject to the approval of the Engineer.
10. See sheet CSB(5)(FW) for lighting, anchor bolts and conduit details. See CSB(4)(FW) for design details of barrier with illumination.

Texas Department of Transportation

CONCRETE SAFETY BARRIER (F-SHAPE)

CAST-IN-PLACE
AT FIXED OBJECTS (FW-TYPE 3)

CSB(6)-04(FW)

FILE: CSB6FW.dgn	DN: TxDOT	CK: AM	DW: BGD	CK:
© TxDOT December 2004	DISTRICT	FEDERAL AID PROJECT		SHEET
REVISIONS Apr 2006 FTW Add 8" Height	COUNTY	CONTROL	SECT	JOB	HIGHWAY

LEVELS DISPLAYED
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

http://www.dot.state.tx.us/ftw/specinfo/standard.htm/csb604fw.dgn