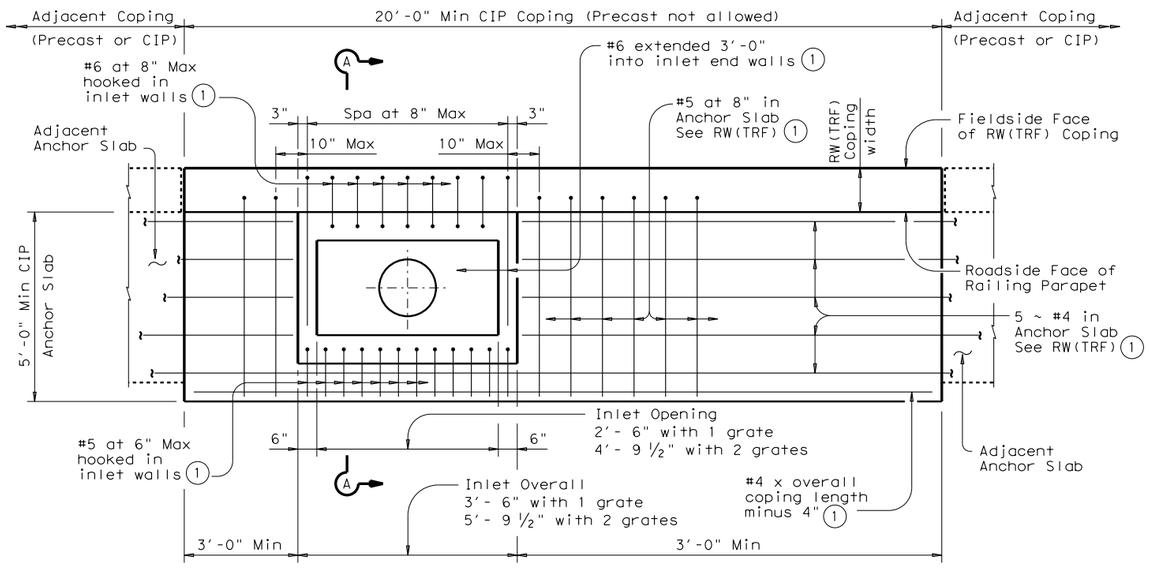
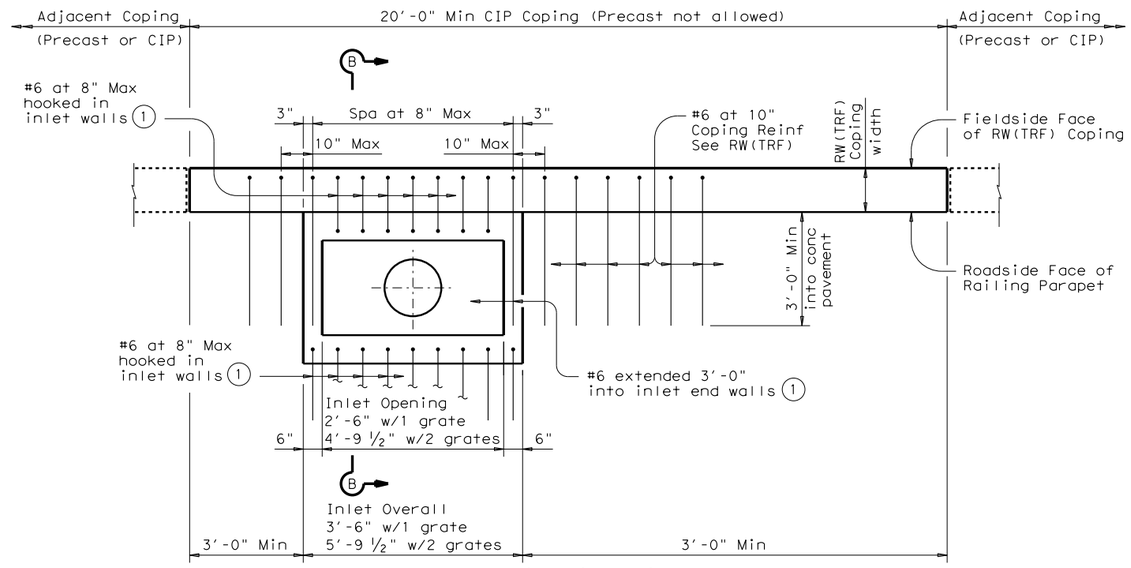
DATE:
FILE:



Traffic Direction

PLAN WITH ANCHOR SLAB (ADJACENT TO ACP)

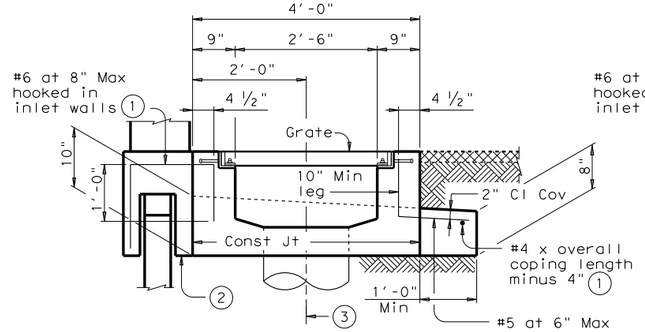
Frame and grate(s) not shown for clarity



Traffic Direction

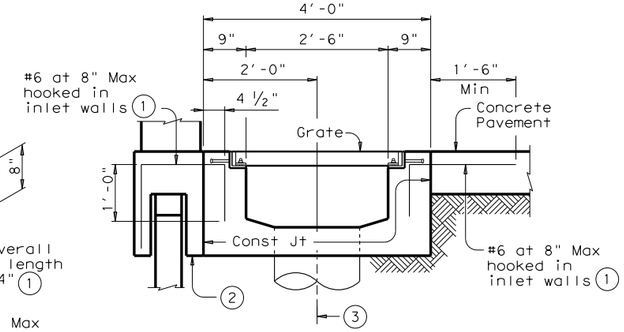
PLAN WITHOUT ANCHOR SLAB (ADJACENT TO CONCRETE PAVEMENT)

Frame and grate(s) not shown for clarity



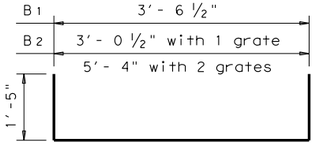
SECTION A-A

Only showing reinforcement connecting inlet to RW(TRF)

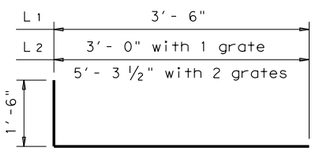


SECTION B-B

Only showing reinforcement connecting inlet to RW(TRF)

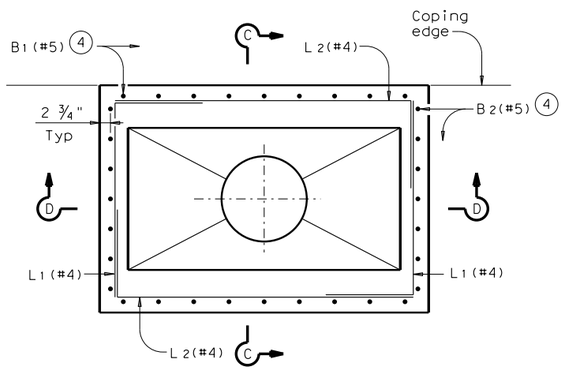


BARS B (#5)



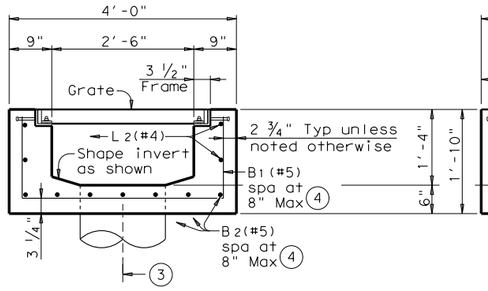
BARS L (#4)

1. Reinforcement considered part of retaining wall coping and is subsidiary to Item 423, "Retaining Walls".
2. Coping against inlet must extend to bottom of inlet or lower.
3. ℄ 12" Dia or 18" Dia Pipe, straight drop. See details elsewhere for size and location.
4. Cut or bend to clear pipe

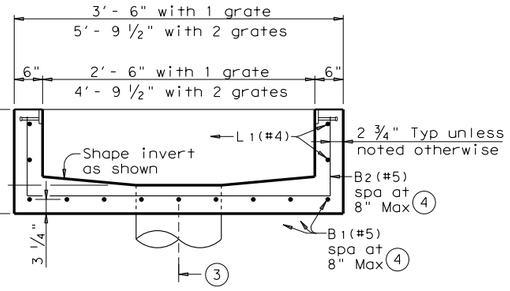


PLAN OF INLET

Showing inlet reinforcing



SECTION C-C



SECTION D-D

HL93 LOADING

SHEET 1 OF 2

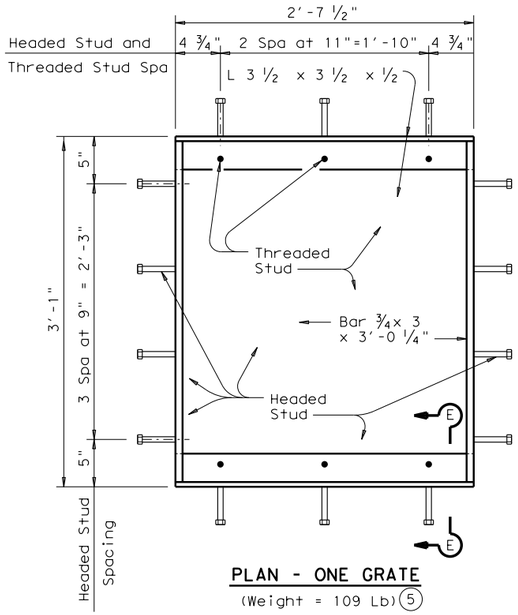
Texas Department of Transportation

Bridge Division Standard

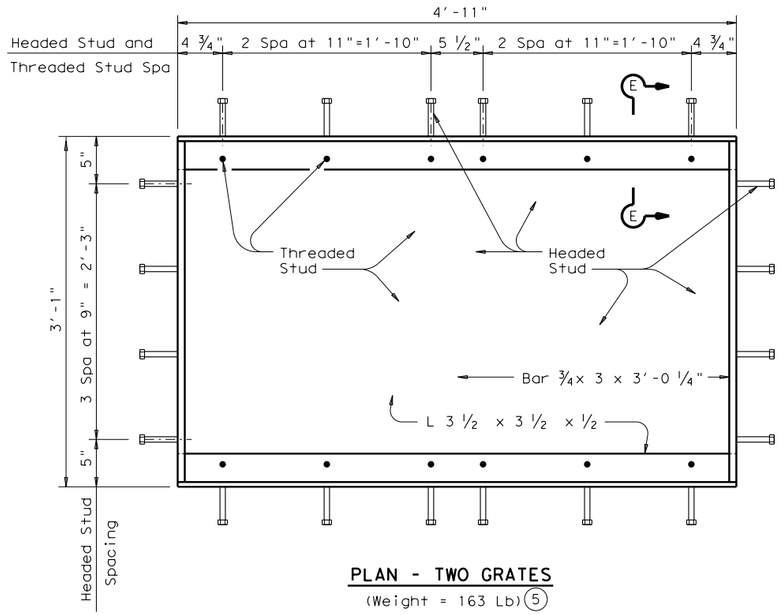
ROADWAY INLET
FOR MSE RETAINING WALL TRAFFIC RAIL FOUNDATION
RW(RI)

FILE: rwstde15.dgn	DN: JMH	CK: TxDOT	DW: BWH	CK: JMH
©TxDOT March 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST	COUNTY		SHEET NO.

DATE:
FILE:

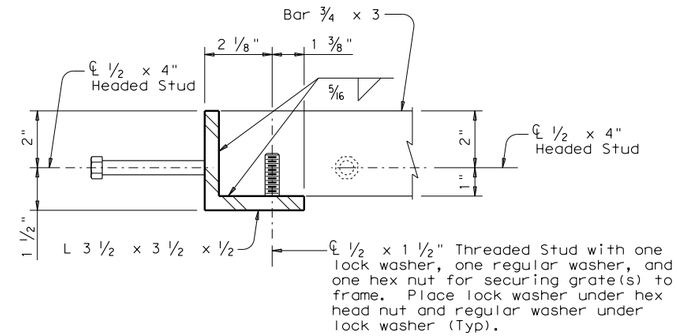


PLAN - ONE GRATE
(Weight = 109 Lb) (5)



PLAN - TWO GRATES
(Weight = 163 Lb) (5)

FRAME DETAILS



SECTION E-E

(5) Weight provided for contractor's information only.

(6) Chamfer end bar as necessary to eliminate conflict with fillet on frame angles.

GENERAL NOTES:

Designed in accordance with AASHTO LRFD Specifications.

The inlets shown are intended for use as roadway inlets adjacent to traffic rail foundations placed on mechanically stabilized earth (MSE) retaining walls. See Standard RW(TRF) for details not shown.

These details must be used in conjunction with the MSE wall RW(TRF) standard to develop specific details for submission with the shop drawings. The steel reinforcement shown is specifically for Roadway Inlet.

Grate must be shop assembled to ensure fit in field.

Concrete must be Class C (f'c = 3,600 psi).

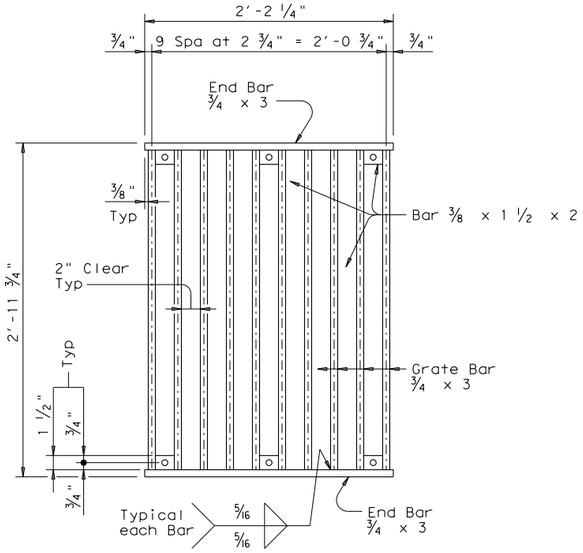
Reinforcing steel must be Grade 60.

Steel for grate and frame must be A572 Grade 50 or A709 Grade 50. Galvanize grate, frame, nuts, and washers in accordance with Item 445.

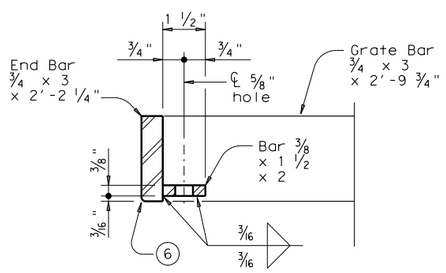
Electric-arc end weld all headed and threaded studs to frame with complete fusion.

Payment for inlets shown on this standard, including frame and grates, will be in accordance with Item 465, "Manholes and Inlets" by the following types:

Inlet (Complete)(Type MSE1) for one grate inlets
Inlet (Complete)(Type MSE2) for two grate inlets



PLAN



SECTION THRU END

GRATE DETAILS

(Weight of one grate = 251 Lb) (5)

HL93 LOADING SHEET 2 OF 2

Texas Department of Transportation | Bridge Division Standard

ROADWAY INLET
FOR MSE RETAINING WALL TRAFFIC RAIL FOUNDATION

RW(RI)

FILE: rwstde15.dgn	DN: JMH	CK: TxDOT	DW: BWH	CK: JMH
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	DIST	COUNTY		SHEET NO.