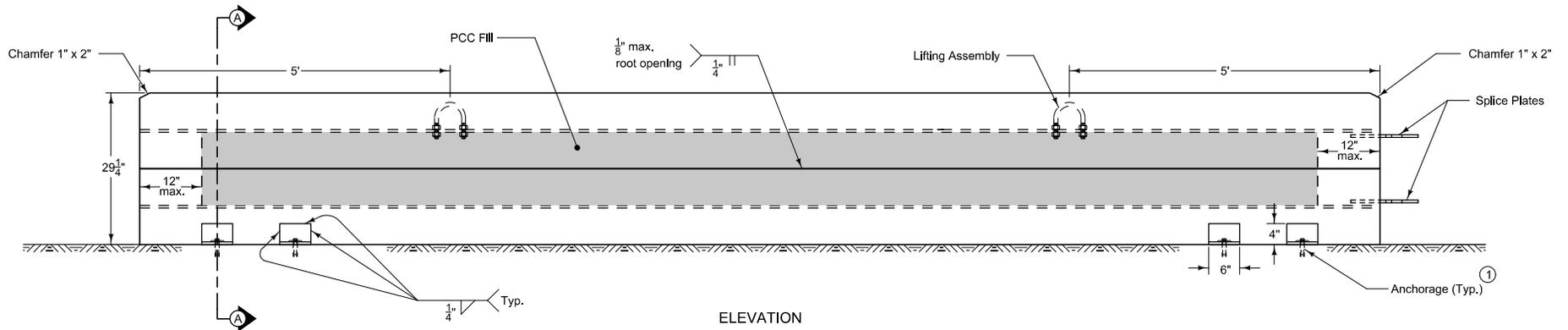
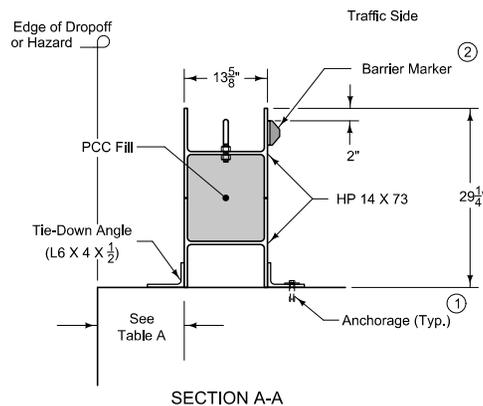


PLAN



ELEVATION



SECTION A-A

Use steel meeting the requirements of ASTM A36.

Use an Iowa DOT Construction Specification mix or a commercial ready-mix with a minimum $f_c' = 2500$ psi. Deposit by a method approved by the Engineer. Limits of the fill shown are approximate and may be rough or slumped depending on the method of bulkheading.

Provide for an approved monitoring schedule with a person on call and available 24 hours a day, each day of the week, to realign barrier which has been struck. Initiate within one hour of notification of need.

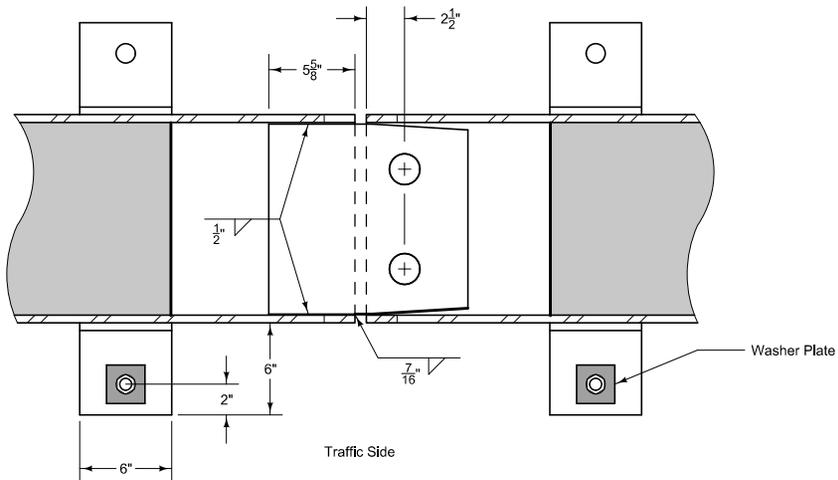
Unless stated otherwise, the barrier rail sections remain the property of the Contractor. Remove from the site upon completion of work.

- ① Anchorage for use on bridge decks or PCC pavement only. When installed in one-way traffic situations use and install anchorage on traffic side of barrier only. Anchorage consisting of a washer plate as shown, a 3/4" dia. x 1 3/4" long ASTM A307 Grade B heavy hex bolt, and a 3/4" Red Head Multi-Set II drop-in anchor (or approved equivalent). Following removal of anchorage, fill all holes with an approved non-shrink grout. The cost of anchorage, when required, is to be in the price bid for "Temporary Barrier Rail, Steel."
- ② Furnish and install Barrier Markers. Place Markers as shown on this sheet and attach to the barrier in a manner approved by the manufacturer. Place Markers to face oncoming traffic. Use a color to match the adjacent edge line. Maintain the markers and promptly repair or replace damaged or missing units. Include all costs for furnishing, installing and maintaining markers in the price bid for "Temporary Barrier Rail, Steel."

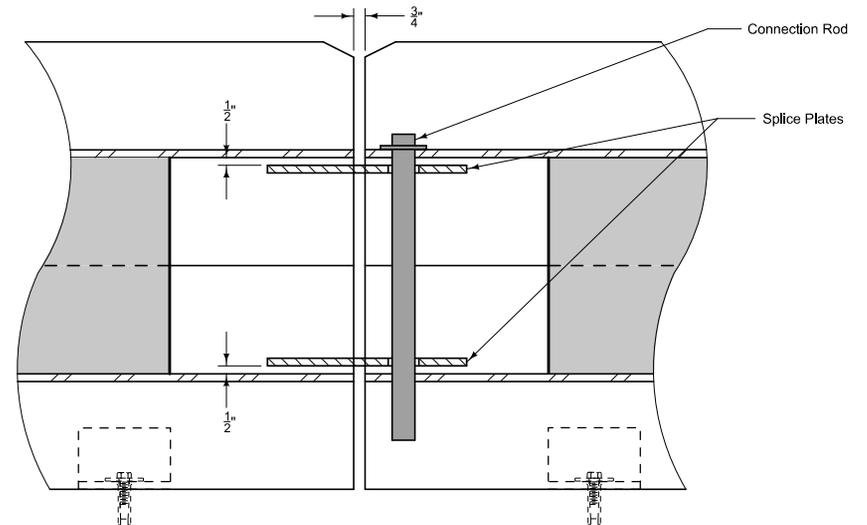
Possible Contract Item:
Temporary Barrier Rail, Steel

Possible Tabulation:
108-33

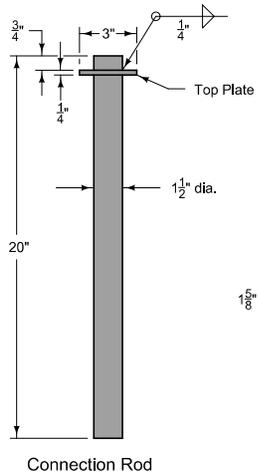
 Iowa Department of Transportation	REVISION
	1 04-16-13
STANDARD ROAD PLAN	BA-400
REVISIONS: Defined dropoff on sheet 2.	SHEET 1 of 2
 APPROVED BY DESIGN METHODS ENGINEER	
TEMPORARY BARRIER RAIL (STEEL)	



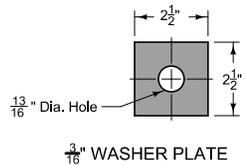
BARRIER CONNECTION
TOP SECTION



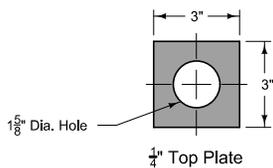
BARRIER CONNECTION
SIDE SECTION



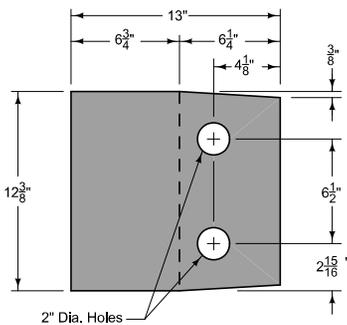
CONNECTION ROD ASSEMBLY



$\frac{3}{16}$ " WASHER PLATE



$\frac{1}{4}$ " TOP PLATE

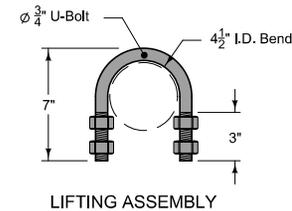


$\frac{1}{2}$ " SPLICE PLATE

TABLE A
ANCHORAGE REQUIREMENTS

Obstacle	Dropoff*	Dropoff Depth	Min. offset where TBR is Unanchored	Min. offset where TBR is Anchored
			10"	6"
Dropoff*	from pavement	$\leq 24"$	10"	6"
	> 24"	18"	6"	6"
Fixed vertical object	from bridge	$\leq 3"$	1"	N/A
	> 3"	18"	6"	6"
Fixed vertical object		N/A	10"	6"

* A dropoff is a slope of 2H:1V or steeper



LIFTING ASSEMBLY

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Defined dropoff on sheet 2.</p> <p><i>Deanna McFadden</i> APPROVED BY DESIGN METHODS ENGINEER</p> <p>TEMPORARY BARRIER RAIL (STEEL)</p>	<p>REVISION</p> <p>1 04-16-13</p>
	<p>BA-400</p> <p>SHEET 2 of 2</p>