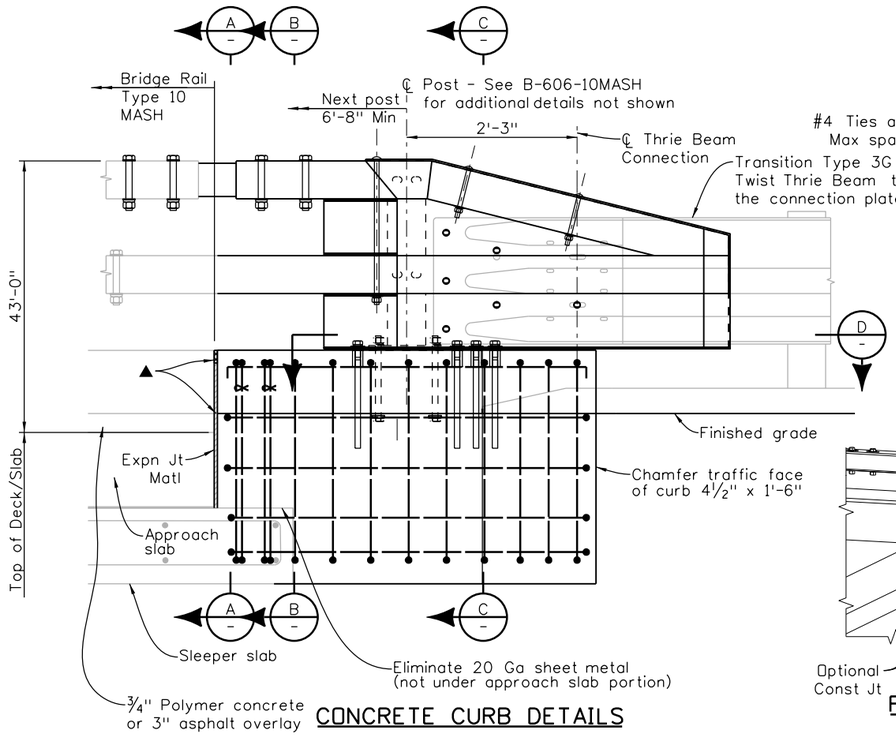
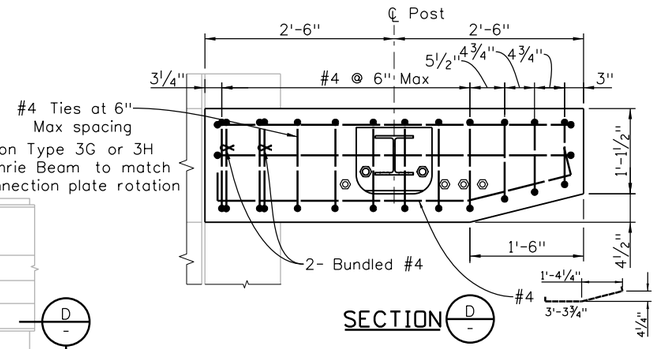
| Revision Dates | |
|---|---|
| 11/24 | |
| 9/ 24 | |
| 3/23 | |
| 7/22 | |
| 5/22 | |
| 12/21 | |
| 6/20 | |
| 1/20 | |

# B-606-10MASH A-S

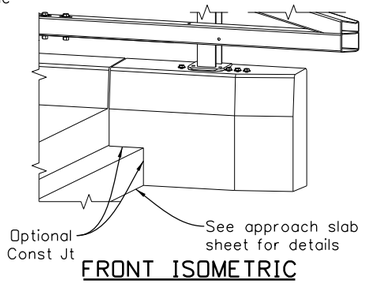
(Use with B-606-10MASH & 10MASH B)



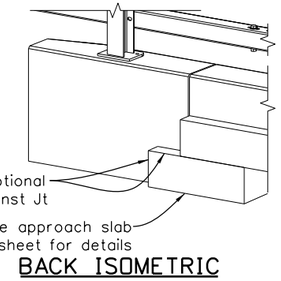

CONCRETE CURB DETAILS




SECTION D




FRONT ISOMETRIC

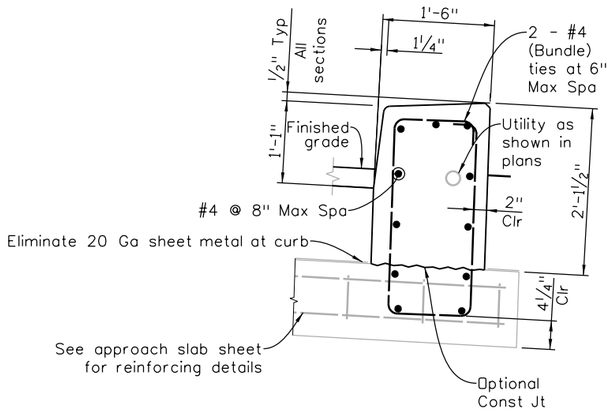



BACK ISOMETRIC

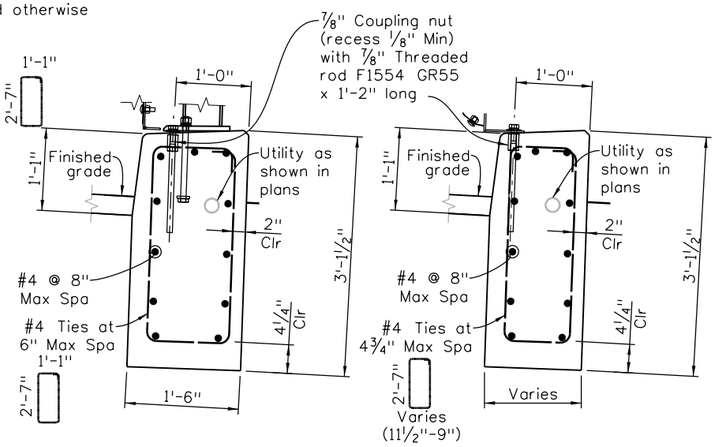
Note: Shaded linework is from other Pay Items

Designer/Detailer:
Any changes to the bridge rail transition details must be approved by Staff Bridge.

Note: Curb dimensions typical for all sections unless noted otherwise




SECTION A




SECTION B




SECTION C

Note: Shaded Linework is from other Pay Items

## NOTES:

1. All tubes shall be ASTM A1085. All posts, base plates, and splice tubes fabricated by welding shall be ASTM A572 Grade 50. All other steel shall be Grade 36 unless otherwise noted.
2. The above material and all anchor bolts and miscellaneous bolts, nuts, and washers shall be galvanized after fabrication in accordance with Section 509. Concrete, reinforcing steel, and structural steel elements shall conform to the requirements of Sections 601 & 606, 602, and 509, respectively unless otherwise noted.
3. All bolts that have lock washers shall be tightened to snug only. All anchors shall be cast in place unless approved by Engineer.
4. The top and inside face of the rail shall receive a coating of Item 515, Concrete Sealer, compatible with the concrete coating or sealer/stain shown in the plans.
5. Payment will be made under item 606, Transition Type BR10M-GR3, for all anchor bolts, miscellaneous bolts, nuts, washers, tubes, tube expansion device, concrete (Class DF), reinforcing steel, and concrete sealer. The poured joint, expansion joint material, excavation and backfill will not be paid for separately, but shall be included in the work.
6. Prior to fabrication of this item, an electronic PDF which complies with the requirements of section 105, shall be submitted to the Engineer for information only.
7. All longitudinal reinforcement shall terminate with standard stirrup hooks as shown. Rotate or adjust reinforcing hooks to avoid interferences as required.
8. The Thrie Beam connection/post of Type 3G or 3H shall be adjusted or rotated to match the transition plate.
9. Posts, concrete curbs, and stirrups shall be perpendicular to the longitudinal roadway grade and cross slopes.

## DESIGN DATA

Structural Steel:

| | |
|---|---|
| AASHTO M270 Gr 36 (ASTM A709 Gr 36) | fy = 36 KSI |
| AASHTO M270 Gr 50 (ASTM A992/A572 Gr 50) | fy = 50 KSI |
| ASTM A1085 | fy = 50 KSI |

Concrete: Class DF f'c = 4.5 KSI

Reinforcing Steel: fy = 60 KSI Min

All reinforcing bends shown shall use a 4D pin diameter.

## INFORMATION ONLY

| Description | Unit | Quantity |
|---|---|---|
| Structural Steel (Galvanized) | LB | 610 |
| Concrete Sealer | SY | 2.8 |
| Concrete Class DF | CY | .8 |
| Reinforcing Steel (Epoxy Coated) | LB | 110 |

▲ 2" Deep poured joint filler, polysulfide or silicone sealant. Extend 6" up face of rail curb above finished grade.

| INITIALS | | DESIGN | DATE | DETAIL | DATE | QUANTITY | DATE |
|---|---|---|---|---|---|---|---|
| By | | | | | | | |
| Checked By | | | | | | | |

$PLOT_INFO$

All seals for this set of drawings are applied to the cover page(s)

Print Date: $DATE$
File Name: Sheet_B-606-10MASHA-S.dgn
Horiz. Scale: None Vert. Scale: As Noted
Unit Information Unit Leader Initials

Sheet Revisions

| Date: | Comments | Init. |
|---|---|---|
| | | |
| | | |
| | | |
| | | |


Colorado Department of Transportation
2829 West Howard Place, 3rd Floor
Denver, CO 80204
Phone: 303-512-4079
FAX: 303-757-9197
Staff Bridge Branch Initials


As Constructed
No Revisions:
Revised:
Void:

TRANSITION TYPE BR10M-GR3
SHEET 1 - CURB DETAILS
SLEEPER VERSION

| | | | |
|---|---|---|---|
| Designer: | XXXXXXXX | Structure Numbers | X-XX-XX |
| Detailer: | XXXXXXXX | | X-XX-XX |
| Sheet Subset: | BRIDGE | Subset Sheets: | BXX of XXX |

Project No./Code
Project Number
Code
Sheet Number