1. FOR DETAILS OF BRIDGE RAILING, SEE APPROPRIATE BRIDGE DETAIL SHEETS.
2. FOR DETAILS OF STONE CURB (TYPE A), SEE BD-MS4E.
3. FOR SECTION THRU STONE GUTTER, SEE BD-AD2.

NOTES:

- ALTERNATE CURB JOINT DETAIL
- DRAINAGE CURB OFFSET FOR STEEL RAILING WITH BRUSH CURB
- DRAINAGE CURB OFFSET FOR CONCRETE BARRIER
- DRAINAGE FOR U-WALL WITH CONCRETE BARRIER

<table>
<thead>
<tr>
<th>BARRIER TYPE</th>
<th>IN</th>
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<tbody>
<tr>
<td>SINGLE-SLOPE CURB</td>
<td>0</td>
</tr>
<tr>
<td>MODIFIED SINGLE-SLOPE</td>
<td>0</td>
</tr>
<tr>
<td>TEXAS BARRIER</td>
<td>0</td>
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</tbody>
</table>
PLAN

SIDEWALKS ON STRUCTURE
NO SIDEWALK ON APPROACH

PLAN
REDUCED SHOULDERS ON STRUCTURE

DESIGNER NOTES:
Details shown are for vertical faced concrete parapets. Treatment of other concrete barriers and steel bridge parapets with parapet curb will be similar. For further details, see BD-MS4E.

1. FOR DETAILS OF BRIDGE RAILING, SEE CURRENT HIGHWAY STANDARD SHEETS.
2. FOR DETAILS OF BOX BEAM GUIDE RAILING, SEE NOTES:
3. FOR DETAILS OF CURB LAYOUT, STONE GUTTER, AND OTHER DETAILS SHOWN ARE FOR VERTICAL FACED CONCRETE PARAPET.
4. FOR DETAILS OF STONE CURB TYPE A, SEE BD-MS4E.
5. FOR SECTIONS A-A, B-B & C-C, SEE BD-AD2.

ALTERNATE MATERIAL:
GALVANIZED BOX BEAM
6"X6"X3/16"
NOTES:
1. FOR DETAILS OF TYPE III END ASSEMBLY, SEE CURRENT HIGHWAY NOTES: "TYPE III-GRADING, PAYMENT, AND LAYOUT DETAILS".
2. FOR DETAILS OF BRIDGE RAILING, SEE APPROPRIATE BRIDGE TYPE III-END ASSEMBLY, STANDARD SHEET ENTITLED "BOX BEAM END ASSEMBLY"
3. FOR DETAILS OF TYPE III END ASSEMBLY, SEE CURRENT HIGHWAY NOTES: "TYPE III-GRADING, PAYMENT, AND LAYOUT DETAILS".
4. FOR DETAILS OF BRIDGE RAILING, SEE APPROPRIATE BRIDGE TYPE III-END ASSEMBLY, STANDARD SHEET ENTITLED "BOX BEAM END ASSEMBLY"
5. FOR SECTIONS 4-4 AND 5-5, SEE BD-MS4E.

DESIGNER:

NOTE ON BD-AD2)
HIGHWAY SHOULDER ITEM. (SEE MATERIAL, COST INCLUDED IN THE CONTROL STRIP OR SHOULDER BACKUP; INDICATE EITHER ASPHALT VEGETATION.

DIMENSION LINES SHOWN INDICATE THE LEVEL OF DETAILING REQUIRED. ACTUAL DIMENSIONS MUST BE DETERMINED BY CONSULTING THE HIGHWAY DESIGN MANUAL AND THE N.Y.S. STANDARD SHEETS.

INFORMATION ON OTHER ACCEPTABLE END TREATMENTS. THESE REFERENCES SHOULD BE CONSULTED PRIOR TO DESIGN OF ANY GUIDE RAIL TERMINATION.

GUIDE RAIL TERMINATION AND FLARE SHOWN ARE FOR A TYPE III END ASSEMBLY; DETAILS SHOWN IN THIS SHEET ARE FROM THE HIGHWAY DESIGN MANUAL AND THE N.Y.S. STANDARD SHEETS. DETAILS SHOWN ARE FOR CONCRETE SINGLE SLOPE BARRIER. TREATMENT OF OTHER CONCRETE BARRIERS AND STEEL BRIDGE RAILING WITH BRUSH CURB WILL BE SIMILAR. FOR FURTHER DETAILS, SEE BD-AD1.

DETAILS SHOWN ARE FOR CONCRETE SINGLE SLOPE BARRIER. TREATMENT OF OTHER CONCRETE BARRIERS AND STEEL BRIDGE RAILING WITH BRUSH CURB WILL BE SIMILAR. FOR FURTHER DETAILS, SEE BD-AD1.

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CATCH BASIN (IF REQ'D)
GREATER THAN 35'-10'

SHOULDER MATERIAL

OF MEDIAN SWALE

TRAVEL LANE
EDGE OF

VARIES
2'-4"

SHOULDER
BREAK LINE

VARIETY
6%

TRAVEL LANE
EDGE OF

VARIES
6%

SHOULDER
BREAK LINE

VARIETY
2'-4"

SHOULDER MATERIAL

WIDTH

SHOULDER MATERIAL

WIDTH

SHOULDER MATERIAL

EDGE OF TRAVEL LANE

THEORETICAL LINE

GUIDERAIL

CATCH BASIN OF PRECIPITATION

NOTE: DESIGNER NOTES:

SHOULDER MATERIAL AND PLACE SHOWN ARE FOR A TYPE II END ASSEMBLY, CHARTERED IN THE HIGHWAY Design MANUAL AND THE N.Y.S. STANDARDS SHEETS, CONTAIN DETAILS AND INSTRUCTIONS ON OTHER ACCEPTABLE END TREATMENTS. THESE PREFERENCES SHOULD BE CHANGED FROM 05-002, FROM DESIGNER NOTES ON BD-AD1.

NOTES:
1. FOR DETAILS OF Box Beam Guide Rail, SEE CURRENT HIGHWAY
   STANDARD SHEETS.
2. FOR DETAILS OF CURB, STONE GUTTER AND OTHER APPROACH
   Drainage Details, SEE BD-AD1.
3. FOR DETAILS OF Bridge Railing, SEE APPROPRIATE BD SHEETS.
4. FOR MATCH LINE B-B, SEE BD-AD1.
5. FOR LOCATION OF SECTIONS A-A AND B-B, SEE BD-AD2.

DESIGNER NOTES:

HIGHWAY SHOULDER ITEM. (SEE MATERIAL, COST INCLUDED IN THE
CONTROL STRIP OR SHOULDER BACKUP INDICATE EITHER ASPHALT VEGETATION
CURB WILL BE SIMILAR. FOR FURTHER DETAILS, SEE BD-AD1.

DESIGNER NOTES:

OF OTHER CONCRETE BARRIERS AND STEEL BRIDGE RAILING WITH BRUSH
DETAILS SHOWN ARE FOR CONCRETE SINGLE SLOPE BARRIER. TREATMENT
STANDARD SHEETS.
CONSULTING THE HIGHWAY DESIGN MANUAL AND THE N.Y.S.
DETAILING REQUIRED. ACTUAL DIMENSIONS MUST BE DETERMINED BY
DIMENSION LINES SHOWN INDICATE THE LEVEL OF
RAIL TERMINATION.
REFERENCES SHOULD BE CONSULTED PRIOR TO DESIGN OF ANY GUIDE
INFORMATION ON OTHER ACCEPTABLE END TREATMENTS. THESE
THE N.Y.S. STANDARD SHEETS CONTAIN DETAILS AND DESIGN
ASSEMBLY. CHAPTER 10 OF THE HIGHWAY DESIGN MANUAL AND
GUIDE RAIL TERMINATION AND FLARE SHOWN ARE FOR A TYPE III END
DESIGNER NOTES:

HIGHWAY SHOULDER ITEM. (SEE MATERIAL, COST INCLUDED IN THE
CONTROL STRIP OR SHOULDER BACKUP INDICATE EITHER ASPHALT VEGETATION
CURB WILL BE SIMILAR. FOR FURTHER DETAILS, SEE BD-AD1.

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