BARRIER MEETS TEST LEVEL 4 REQUIREMENTS OF NCHRP REPORT 350

CONTROL JOINT

INSIDE ELEVATION OF BARRIER

NOTE:
- REMOVE PRIOR TO PLOTTING FINAL PLANS
- FOR BRIDGES WITH SUPERELEVATION EXCEEDING 2%, SHOW THE BARRIER BACK FACE DIMENSIONS. ALSO VERIFY THAT BAR R501E HAS 10" MIN. PROJECTION WHEN CROSS SLOPE VARIES FROM NORMAL 0.02 FT/FT AND SHOW THE BARRIER BACK FACE DIMENSIONS. ALSO VERIFY THAT BAR R501E HAS NO MORE THAN 1" PROTRUDES FOR BRIDGES WITH SUPERELEVATION EXCEEDING 2%, SHOW THE BARRIER BACK FACE DIMENSIONS. ALSO VERIFY THAT BAR R501E HAS 10" MIN. PROJECTION WHEN CROSS SLOPE VARIES FROM NORMAL 0.02 FT/FT AND SHOW THE BARRIER BACK FACE DIMENSIONS. ALSO VERIFY THAT BAR R501E HAS NO MORE THAN 1" PROTRUDES.

GENERAL NOTES
- CONCRETE BARRIER = 464 LBS/FT, 756 PSI CIL YOUGF/1000
- FINISH ALL EDGES OF BARRIER WITH 1" CHAMFER, EXCEPT WHERE TRIM GUARDRAIL BOLTS SUCH THAT 2" CLR.
- MEASURE PAYMENT LENGTH BETWEEN THE OUTSIDE FACES OF THE BARRIER.

CONCRETE BARRIER = 464 LBS/FT, 756 PSI CIL YOUGF/1000
FINISH ALL EDGES OF BARRIER WITH 1" CHAMFER, EXCEPT WHERE TRIM GUARDRAIL BOLTS SUCH THAT 2" CLR.
MEASURE PAYMENT LENGTH BETWEEN THE OUTSIDE FACES OF THE BARRIER.

BILL OF REINFORCEMENT FOR BARRIER

<table>
<thead>
<tr>
<th>BAR</th>
<th>NO.</th>
<th>LENGTH</th>
<th>SHEET</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>R501E</td>
<td>5'-5&quot;</td>
<td>TOP CROPS</td>
<td></td>
<td>BAR R501E</td>
</tr>
<tr>
<td>R502E</td>
<td>8&quot;</td>
<td>TOP CROPS</td>
<td></td>
<td>BAR R502E</td>
</tr>
<tr>
<td>R503E</td>
<td>6&quot;</td>
<td>TOP CROPS</td>
<td></td>
<td>BAR R503E</td>
</tr>
<tr>
<td>R504E</td>
<td>6&quot;</td>
<td>TOP CROPS</td>
<td></td>
<td>BAR R504E</td>
</tr>
<tr>
<td>R505E</td>
<td>6&quot;</td>
<td>TOP CROPS</td>
<td></td>
<td>BAR R505E</td>
</tr>
</tbody>
</table>

GENERIC CONCRETE BARRIER: TYPE F, TL-4

CONCRETE BARRIER: TYPE F, TL-4

APPROVED: JANUARY 13, 2015

REVISIONS

CERTIFIED BY

LEADER PROFESSIONAL ENGINEER

LIC. NO.

NAME

SHEET NO. OF SHEETS

BRIDGE NO.

FIG. 5-3971115A

CONTRACTOR OPTION 1

CONTRACTOR OPTION 2

CONSTRUCTION JOINT

SECTION B-B

REINFORCEMENT NOT SHOWN
WITH GUARDRAILS (OIL), SUCH THAT NO MORE THAN 1/2" PROTRUDES FROM BATCH FACE OF BARRIER. DIMENSIONS INCLUDE 3/8" PLATE

GUARDRAIL CONNECTION DETAIL

GALVANIZE AFTER FABRICATION PER SPEC. 3769
- ESTIMATED WEIGHT = 23 LBS

CONTRACTOR OPTION 2

PLACING BAR ON TOP OF BOTTOM REINFORCEMENT MAT.

SPACE CONTROL JOINTS AT 10 FT. MAXIMUM.
- SEE SUPERSTRUCTURE SHEET FOR JOINT SPACING.
- BARRIER QUANTITIES ARE LISTED IN SUMMARY OF QUANTITIES INCIDENTAL TO BARRIER.
- GUARDRAIL CONNECTION AND NAME PLATE TO BE CONSIDERED GUARDRAIL CONNECTION TO BE STRUCTURAL STEEL, SPEC. 3306.
- GUARDRAIL CONNECTION TO BE STRUCTURAL STEEL, SPEC. 3306.
- SEE SUPERSTRUCTURE SHEET FOR JOINT SPACING.
- SPACE CONTROL JOINTS AT 10 FT. MAXIMUM.
- OTHERWISE NOTED.

CONSTRUCTION JOINT

SECTION B-B

REINFORCEMENT NOT SHOWN
WITH GUARDRAILS (OIL), SUCH THAT NO MORE THAN 1/2" PROTRUDES FROM BATCH FACE OF BARRIER. DIMENSIONS INCLUDE 3/8" PLATE

GUARDRAIL CONNECTION DETAIL

GALVANIZE AFTER FABRICATION PER SPEC. 3769
- ESTIMATED WEIGHT = 23 LBS

CONTRACTOR OPTION 2

PLACING BAR ON TOP OF BOTTOM REINFORCEMENT MAT.

SPACE CONTROL JOINTS AT 10 FT. MAXIMUM.
- SEE SUPERSTRUCTURE SHEET FOR JOINT SPACING.
- BARRIER QUANTITIES ARE LISTED IN SUMMARY OF QUANTITIES INCIDENTAL TO BARRIER.
- GUARDRAIL CONNECTION AND NAME PLATE TO BE CONSIDERED GUARDRAIL CONNECTION TO BE STRUCTURAL STEEL, SPEC. 3306.
- GUARDRAIL CONNECTION TO BE STRUCTURAL STEEL, SPEC. 3306.