PLAN OF SLAB SHOWING RAIL POST SPACING

DETAILS OF BEARING PLATES

Notes for bearing plates:
- Notes in footing for 6½ and 8½ anchors shall be made for doing fit after anchors are driven in place. They shall be lightly tack welded to footing.
- Surfaces marked * are to be finished. All finished surfaces shall be sanded with white, steel grid, and coated with hot and just prior to placing concrete. Thoroughly cleaned and coated with a mixture of graphite and oil.
- Edge # to be rounded (R to R radius).
- Material: A.S.T.M. A5

BRIDGE OVER BRUSH CREEK
STATE ROAD FROM HANNAVILLE TO BOLivar
ABOUT 2.5 MILES N W OF BOLivar
PROJECT NO. F-00027 (W.I.E.: 13) STA. 38+50.25
POLK COUNTY

Sheet No. 4 of 8
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION
U.I.P. EXISTING (3 @ 30') DECK GIRDER SPANS

30'-11" Roadway

SECTION THRU SLAB

Full Depth Repair in Half-Soled Area

HALF-SOLED AREA

FULL DEPTH REPAIR

In Full-Soled Area

Notes:
The polymer modified asphalt shall be applied at a rate of 0.55 gallon per square yard.
The cover aggregate shall be applied at a rate of 0.0125 ton per square yard.
The area of the asphaltic concrete wearing surface will be measured and computed to the nearest square yard. This area will be measured transversely from out to out of overlay and longitudinally from end of slab to end of slab.

Estimated Quantities

<table>
<thead>
<tr>
<th>Item</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removal of Asphalt Wearing Surface</td>
<td>3080</td>
</tr>
<tr>
<td>Alternate Asphaltic Concrete Wearing Surface</td>
<td>342</td>
</tr>
<tr>
<td>Seal Coat, Grade A</td>
<td>342</td>
</tr>
<tr>
<td>Substructure Repair</td>
<td>30</td>
</tr>
<tr>
<td>Superstructure Repair</td>
<td>100</td>
</tr>
<tr>
<td>Repair Concrete Deck (half-soled)</td>
<td>100</td>
</tr>
<tr>
<td>Slab Edge Repair (Bridge)</td>
<td>45</td>
</tr>
</tbody>
</table>

The contractor shall verify all dimensions in field before ordering new material.

In order to maintain grade and a minimum thickness of overlay as shown on plans, it may be necessary to use additional quantities of overlay at various locations throughout the structure. The cost of furnishing and installing the overlay will be considered completely covered in the contract unit price.

General Notes:

Geotechnical:

Construction of old work is indicated by dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before ordering new material.

Traffic Handling:

Close bridge during construction while maintaining traffic on new Rte. 13 SBD. Use Roadway Plane.

REPAIRS TO BRIDGE OVER BRUSH CREEK
STATE ROAD FROM RTE. N TO RTE. N
ABORD 4.6 MILES S.S. OF RTE. N
PROJECT NO.
STA. 1835+0.25
JOB NO. J80732
RTE. 13 (SBD)

POLK COUNTY
A00632

Note: This drawing is not to scale. Follow dimensions.

Estimated Quantities for Alternate Asphaltic Concrete Wearing Surface

<table>
<thead>
<tr>
<th>Type of Wearing Surface</th>
<th>Aggregate</th>
<th>Mix</th>
<th>Mix Use %</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP125/125 Mix</td>
<td>2.2</td>
<td>55</td>
<td>N/A</td>
</tr>
<tr>
<td>G3125/125 Mix</td>
<td>2.2</td>
<td>55</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Note: Construction personnel shall complete column labeled "Mix used will".

The contractor shall select one of the alternate asphaltic concrete wearing surfaces listed in the table. The mixture shall be in accordance with Sec 403 and produced in accordance with Sec 404.

The table of estimated quantities for alternate asphaltic concrete wearing surface represents the quantities used by the State in preparing the cost estimate. Variations may be encountered in the estimated quantities and the variations cannot be used for an adjustment in the contract unit price.

Payment for alternate asphaltic concrete wearing surface will be considered completely covered by the contract unit price per square yard.
CONCRETE EDGE REPAIR

TYPICAL SECTION SHOWING CLEANING AND SEALING OF SLAB & DECK GIRDER EDGES

Note: Clean & seal the entire length of the slab & deck girder edges on both sides of the bridge.

PART ELEVATION AT INT. BENTS SHOWING SUBSTRUCTURE REPAIR

SECTION THRU JOINT

Note: Joint shall be cleaned per the manufacturer's recommendations. Cost of concrete and asphalt joint sealant and backer rod shall be considered completely offered in the contract unit price for other items included in the contract.

POLK COUNTY A00632