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## BRIDGE STANDARD DRAWINGS

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<th>TITLE</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>55064</td>
<td>STANDARD DETAILS FOR JOINT REPAIRS &amp; MODIFICATION</td>
<td>11-07-19</td>
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<tr>
<td>55065</td>
<td>STANDARD DETAILS FOR BACKWALL REPAIRS</td>
<td>11-07-19</td>
</tr>
</tbody>
</table>

## ROADWAY STANDARD DRAWINGS

<table>
<thead>
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<th>DRWG.No.</th>
<th>TITLE</th>
<th>DATE</th>
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<tbody>
<tr>
<td>PM-1</td>
<td>PAVEMENT MARKING DETAILS</td>
<td>03-27-20</td>
</tr>
<tr>
<td>TC-1</td>
<td>STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION</td>
<td>11-07-19</td>
</tr>
<tr>
<td>TC-2</td>
<td>STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION</td>
<td>05-20-21</td>
</tr>
<tr>
<td>TC-3</td>
<td>STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION</td>
<td>08-12-21</td>
</tr>
<tr>
<td>TC-4</td>
<td>STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION-TEMPORARY PRECAST BARRIER</td>
<td>11-07-19</td>
</tr>
<tr>
<td>TC-5</td>
<td>STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION-TEMPORARY PRECAST BARRIER</td>
<td>11-07-19</td>
</tr>
</tbody>
</table>
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PROJECT FROM THE TIME OF CONSTRUCTION THROUGH THE HANDOVER TO THE OWNERS. 
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PROJECT FOR THE DURATION OF THE PROJECT. 
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PROJECT FOR THE DURATION OF THE PROJECT. 
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PROJECT FOR THE DURATION OF THE PROJECT. 
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PROJECT FOR THE DURATION OF THE PROJECT. 
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PROJECT FOR THE DURATION OF THE PROJECT. 
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PROJECT FOR THE DURATION OF THE PROJECT. 
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PROJECT FOR THE DURATION OF THE PROJECT.
TYPICAL SECTIONS OF IMPROVEMENT

40'-0" EXISTING PAVEMENT
2 LANE ROADWAY 12'-0" LANE 8'-0" SHLD. 0.040'/(TYP.) 0.020'/(TYP.) 0.020'/(TYP.) 0.040'/(TYP.) EXIST.SLOPE 40'-0" EXISTING PAVEMENT RETAIN 40'-0" CLEAR ROADWAY (POLYMER OVERLAY)

2 LANE ROADWAY (SHOWN FOR MOT) KANSAS CITY SOUTHERN RAILROAD OVERPASS

40 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY
1 - BR NO. 06766 - HWY. 71

NOTE: ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

43'-0" EXISTING BRIDGE DECK

2 LANE BRIDGE (SHOWN FOR MOT)

43 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY
2 - BR NO. 05290 - HWY. 71

TYPICAL SECTIONS OF IMPROVEMENT
TYPICAL SECTIONS OF IMPROVEMENT

38'-0" CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR NO. B5192 - HWY. 71
- BR NO. B5193 - HWY. 71
- BR NO. B5194 - HWY. 71

40'-0" CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR NO. 06206 - HWY. 71

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

5 LANE ROADWAY
(Shown for Mot)

75 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

75'-0" EXISTING PAVEMENT

5 LANE ROADWAY
(Shown for Mot)

75'-0" CLEAR ROADWAY POLYMER OVERLAY

5 LANE BRIDGE

75 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

44 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

4 LANE ROADWAY
(Shown for Mot)

4 LANE BRIDGE

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

43 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

NOTE:

ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

40 FT. CLEAR ROADWAY BRIDGES - POLYMER OVERLAY

TYPICAL SECTIONS OF IMPROVEMENT
TYPICAL SECTIONS OF IMPROVEMENT

4 LANE ROADWAY
(SHOWN FOR MOT)

70'-0" CLEAR ROADWAY
(POLYMER OVERLAY)

12'-0" LANE
12'-0" LANE
12'-0" LANE
12'-0" LANE

8'-0" SHLD.
8'-0" SHLD.
8'-0" SHLD.
8'-0" SHLD.

0.040" (TYP.)
0.040" (TYP.)
0.040" (TYP.)
0.040" (TYP.)

EXIST SLOPE
70'-0" EXISTING PAVEMENT
70'-0" EXISTING PAVEMENT

4 LANE BRIDGE - OVER ILLINOIS RIVER

30 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

12'-0" LANE
12'-0" LANE
12'-0" LANE
12'-0" LANE

8'-0" SHLD.
8'-0" SHLD.
8'-0" SHLD.
8'-0" SHLD.

0.020" (TYP.)
0.020" (TYP.)
0.020" (TYP.)
0.020" (TYP.)

EXIST SLOPE
60'-0" EXISTING PAVEMENT
60'-0" EXISTING PAVEMENT

2 LANE ROADWAY
(SHOWN FOR MOT)

2 LANE BRIDGE - OVER ARKANSAS RIVER

30 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

5'-0" LANE
5'-0" LANE
5'-0" LANE
5'-0" LANE

8'-0" SHLD.
8'-0" SHLD.
8'-0" SHLD.
8'-0" SHLD.

0.020" (TYP.)
0.020" (TYP.)
0.020" (TYP.)
0.020" (TYP.)

EXIST SLOPE
30'-0" EXISTING PAVEMENT
30'-0" EXISTING PAVEMENT

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

For the bridge design:

- **BR NO. 05378 - HWY. 7**
  - 40'-0" EXISTING PAVEMENT
  - 2 LANE ROADWAY
  - 12'-0" LANE
  - 8'-0" SHLD.
  - 0.040" (TYP.)

- **BR NO. 05379 - HWY. 7**
  - 39'-0" EXISTING PAVEMENT
  - 2 LANE ROADWAY
  - 12'-0" LANE
  - 8'-0" SHLD.
  - 0.040" (TYP.)

For the polymer overlay:

- **39 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY**
  - 39'-0" CLEAR ROADWAY (POLYMER OVERLAY)
  - 2 LANE BRIDGE
  - OVER PETIT JEAN RIVER

All cross slopes are to match existing cross slopes unless otherwise approved by the engineer.

**NOTE:**

All cross slopes are to match existing cross slopes unless otherwise approved by the engineer.
TYPICAL SECTIONS OF IMPROVEMENT

40'-0" EXISTING PAVEMENT
2 LANE ROADWAY
(Shown for Mot)

40 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

68'-0" EXISTING PAVEMENT
5 LANE ROADWAY
(Shown for Mot)

68 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

5 LANE ROADWAY
(SHOWN FOR MOT)

2 LANE ROADWAY
(SHOWN FOR MOT)

5 LANE BRIDGE - I-40 OVERPASS

2 LANE BRIDGE - ARKANSAS RIVER BR.

76 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

28 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

39 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR. NO. 05586 - MAY, 95

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

2 LANE ROADWAY - NORTH
(SHOWN FOR MOT)

32 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR. NO. 06631 - MAY, 64
3 LANE ROADWAY
(SHOWN FOR MOT)

52 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

22 - BR NO.06745 - HWY. 65

NOTE:
ALL CROSS CHANGES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

4 LANE ROADWAY
(Shown for MOT)

70 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

5 LANE ROADWAY
(Shown for MOT)

58 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

NOTE:

All cross slopes are to match existing cross slopes unless otherwise approved by the Engineer.

No.9678
LICENSED PROFESSIONAL ENGINEER
ARKANSAS
STATIONERY OF R.M. GOOD

REDISIGNED SHEET NO. TOTAL SHEETS DATED DATE REVISED FED. RD. DIST. NO.
6 REVISED 55 16-01-24 08
2 LANE ROADWAY (SHOWN FOR MOT)

24' CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR. NO. 05443 - MAY, 89

TYPICAL SECTIONS OF IMPROVEMENT

ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

44' CLEAR ROADWAY BRIDGES - POLYMER OVERLAY

- BR. NO. 06402 - MAY, 89
- BR. NO. 06403 - MAY, 89
- BR. NO. 06404 - MAY, 89
- BR. NO. 06405 - MAY, 89
### Typical Sections of Improvement

**26 Ft. Clear Roadway Bridge - Polymer Overlay**

(Mill Asphalt on BR. Deck, Roadway Transitions)

1. **NOTES:**
   - Stringline will be used to maintain a uniform horizontal alignment.
   - The contractor shall furnish & maintain steel "Uneven Lanes" signs, 3.3 x 3.3 ft, with black legend on orange background at all longitudinal joints during milling and paving operations.
   - Longitudinal joints are to be placed per typical section in accordance with Standard Specifications for Highway Construction 2014 Edition, Section 410.07 unless otherwise approved by the engineer.
   - All cross slopes are to match existing cross slopes unless otherwise approved by the engineer.
   - Refer to special details and quantity sheets for roadway transitions.

2. **REFERENCES:**
   - MDOT DD M-1113
   - MDOT DD M-955
   - MDOT Handbook of Construction Guidelines
   - MDOT Guide for Pavement Management
   - MDOT Guidelines for Asphalt Pavements

3. **SHLD.:**
   - 2' SHLD.

4. **ENDNOTES:**
   - BR NO. 02833 - HWY. 270

5. **APPENDIX:**
   - Typical Sections of Improvement

**Figure:**
- **26 Ft. Clear Roadway Bridge - Polymer Overlay**
- **2 Lane Roadway (Shown for Not)**
- **2 Lane Bridge**

---

**ARK. STATE SHEET NO. TOTAL SHEETS DATE REVISED FED.RD. DIST.NO.**

* (SHOWN FOR NOT)
<table>
<thead>
<tr>
<th>BR. NO. 05064 - HWY. 7</th>
<th>12'-0&quot; LANE</th>
<th>12'-0&quot; LANE</th>
<th>12'-0&quot; LANE</th>
<th>12'-0&quot; LANE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' - 0&quot; SHLD.</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
</tr>
<tr>
<td>0.015 '/'</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**56'-0" EXISTING CLEAR ROADWAY BRIDGE DECK**

**4 LANE BRIDGE - ARKANSAS RIVER BRIDGE**

<table>
<thead>
<tr>
<th>BR. NO. 05064 - HWY. 7</th>
<th>12'-0&quot; LANE</th>
<th>12'-0&quot; LANE</th>
<th>12'-0&quot; LANE</th>
<th>4'-0&quot; MEDIAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>68'-0&quot; EXISTING PAVEMENT (AVG.)</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
<td></td>
</tr>
<tr>
<td>0.015 '/'</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**4 LANE MEDIAN DIVIDED ROADWAY (EAST APPROACH) (SHOWN FOR MOT)**

**56 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY**

| :------------: | :------------: | :------------: | :------------: | :------------: |
| 56'-0" EXISTING CLEAR ROADWAY (POLYMER OVERLAY) | 56'-0" EXISTING CLEAR ROADWAY (POLYMER OVERLAY) | 56'-0" EXISTING CLEAR ROADWAY (POLYMER OVERLAY) | 56'-0" EXISTING CLEAR ROADWAY (POLYMER OVERLAY) | 56'-0" EXISTING CLEAR ROADWAY (POLYMER OVERLAY) |
| EXIST. SLOPE | EXIST. SLOPE | EXIST. SLOPE | EXIST. SLOPE | EXIST. SLOPE |
| 0.015 '/' | 0.015 '/' | 0.015 '/' | 0.015 '/' | 0.015 '/' |

**TYPICAL SECTIONS OF IMPROVEMENT**

**NOTES:**

All cross slopes are to match existing cross slopes unless otherwise approved by the engineer.
40 FT. CLEAR ROADWAY BRIDGES - POLYMER OVERLAY

- BR NO. A6475 - HWY. 42
- BR NO. A6476 - HWY. 42 - ILLINOIS RIVER
- BR NO. A6478 - HWY. 42 - ILLINOIS RIVER

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

40'-0" CLEAR ROADWAY BRIDGES - POLYMER OVERLAY

2 LANE ROADWAY - WEST BOUND

SHLD. 6'-0" 12'-0" LANE 12'-0" SHLD.

0.040" (TYP.) 0.040" (TYP.) 0.040" (TYP.)

40'-0" EXISTING BRIDGE DECK

2 LANE BRIDGE - WEST BOUND

MEDIAN WIDTH VARIES

40'-0" CLEAR ROADWAY (POLYMER OVERLAY)

2 LANE BRIDGE - EAST BOUND

MEDIAN WIDTH VARIES

40'-0" CLEAR ROADWAY (POLYMER OVERLAY)

2 LANE ROADWAY - EAST BOUND

SHLD. 6'-0" 12'-0" LANE 12'-0" SHLD.

0.040" (TYP.) 0.040" (TYP.) 0.040" (TYP.)

40'-0" EXISTING BRIDGE DECK

NOTE:

ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

40 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR NO. 06576 - HWY. 412
- BR NO. 06577 - HWY. 412
- BR NO. 06578 - HWY. 412

NOTE:

All cross slopes are to match existing cross slopes unless otherwise approved by the engineer.

68 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR NO. 06398 - HWY. 62

C.L. CONST.

existing slope 0.040'/typ 0.020'/typ

68'-0" CLEAR ROADWAY (POLYMER OVERLAY)

C.L. CONST.

68'-0" CLEAR ROADWAY (POLYMER OVERLAY)

C.L. CONST.

existing slope 0.040'/typ 0.020'/typ

68'-0" EXISTING BRIDGE DECK

2 LANE ROADWAY (SHOWN FOR MOT)

12'-0" LANE
12'-0" LANE
12'-0" LANE
12'-0" LANE
8'-0" SHLD.
8'-0" SHLD.
0.040'/typ 0.020'/typ 0.020'/typ 0.040'/typ

40'-0" CLEAR ROADWAY (POLYMER OVERLAY)

40'-0" EXISTING PAVEMENT

40'-0" EXISTING BRIDGE DECK

2 LANE BRIDGE

12'-0" LANE
12'-0" LANE
12'-0" LANE
12'-0" LANE
8'-0" SHLD.
8'-0" SHLD.
0.020'/typ 0.020'/typ 0.020'/typ

68 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR NO. 06398 - HWY. 62
TYPICAL SECTIONS OF IMPROVEMENT

25 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR NO. 06683 - HWY. 62

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

NOTES:
1. STRINGLINE WILL BE USED TO MAINTAIN A UNIFORM HORIZONTAL ALIGNMENT.
2. THE CONTRACTOR SHALL FURNISH & INSTALL STD. W8-11 "UNEVEN LANES" SIGNS WITH A BLACK LEGEND ON ORANGE BACKGROUND AT ALL LONGITUDINAL JOINTS DURING MILLING AND PAVING OPERATIONS.
3. LONGITUDINAL JOINTS ARE TO BE PLACED PER TYPICAL SECTION IN ACCORDANCE WITH STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION, SECTION 410.07 UNLESS OTHERWISE APPROVED IF AND WHERE BY THE ENGINEER.
4. ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. REFER TO SPECIAL DETAILS AND QUANTITY SHEETS FOR ROADWAY TRANSITIONS.

* BR NO. 50 - CROSSES WILL REQUIRE COLD MILLING AND TRANSITION DUE TO BACKWALL REPAIR BEING PERFORMED ON BRIDGE.
TYPICAL SECTIONS OF IMPROVEMENT

5 LANE ROADWAY
(SOWN FOR MOT)

5 LANE BRIDGE

58 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

2 LANE ROADWAY
(SOWN FOR MOT)

44 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

NOTE:
ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
TYPICAL SECTIONS OF IMPROVEMENT

40'-0" EXISTING PAVEMENT

40'-0" EXISTING BRIDGE DECK

40' CLEAR ROADWAY (POLYMER OVERLAY)

40 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

3 LANE ROADWAY (SHOWN FOR MOT)

2 LANE ROADWAY (SHOWN FOR MOT)

44'-0" CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

44 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

2 LANE BRIDGE - OVER NORFOLK LAKE

NOTE:

ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
32 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

- BR. NO. 05769 - HWY. 10

NOTE:
All cross slopes are to match existing cross slopes unless otherwise approved by the engineer.

TYPICAL SECTIONS OF IMPROVEMENT
32 FT. CLEAR ROADWAY BRIDGE - POLYMER OVERLAY

36 FT. CLEAR ROADWAY BRIDGES - POLYMER OVERLAY

NOTES:
1. STRINGLINE WILL BE USED TO MAINTAIN A UNIFORM HORIZONTAL ALIGNMENT.
2. THE CONTRACTOR SHALL ENSURE A VERTICAL SURVEYED ALIGNMENT LINES ARE USED AT ALL LONGITUDINAL JOINTS DURING MILLING AND PAVING OPERATIONS.
3. LONGITUDINAL JOINTS ARE TO BE PLACED PER TYPICAL SECTION IN ACCORDANCE WITH STANDARDS STIPULATED FOR HIGHWAY CONSTRUCTION, 2014 EDITION, SECTION 410.07 UNLESS OTHERWISE APPROVED IF AND WHERE BY THE ENGINEER.
4. ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. REFER TO SPECIAL DETAILS AND QUANTITY SHEETS FOR ROADWAY TRANSITIONS,

* BR. NO. 59 - 06512 WILL REQUIRE COLD MILLING AND TRANSITION DUE TO BACKWALL REPAIR BEING PERFORMED ON BRIDGE.

TYPICAL SECTIONS OF IMPROVEMENT
DETAIL FOR TRANSITIONS

NOTE:
1. Transition needed on BR. 32 - 02833 for removal of asphalt overlay on bridge deck.

* Detail for pavement mill & inlay at bridge ends to repair asphalt roadway

* ACHM shall be placed for roadway transitions after polymer overlay has been completed.

2. Dimensions and quantities will be field verified by the engineer and site seen for estimating and bidding purposes. All quantities will be paid by actual measurements taken in the field.

3. Transition needed on BR. 50 - 06585 and BR. 59 - 06512 for back wall repairs.

Note: Joints greater than 1 1/2" in width shall be sealed with Type 5 joint sealant.

* Contraction joints shall be sawed to min. width of 1/4" at end of joint for repair & concrete. Bending joints shall be sawed to 1/16" minimum width + 1/8" (1/16" on each side).

DETAILS OF TYPE A OR TYPE B JOINT REHABILITATION
**MAINTENANCE OF TRAFFIC DETAILS**

**BRIDGE NO. 06683**

**CONSTRUCTION AREA**

**ROAD CLOSED**

**DETOUR FOR**

**BRIDGE NO. 06683**

**LOG MILE 0.495**

**DIST. 9 - ROUTE 62**

**BOONE COUNTY**

**ARKANSAS DEPARTMENT OF HIGHWAYS**

**LICENSED PROFESSIONAL ENGINEER**

**LEGEND**

- Temporary Traffic Sign
- Traffic Flow Arrows

**DETOWN**

**DATE:** 4-28-22
**MAINTENANCE OF TRAFFIC DETAILS**

**LEGEND**

- Traffic Drum
- Temporary Traffic Sign
- Traffic Flow Arrows

**STAGE 1 & 3**

- Work Area Traffic Drums @ 60' Spacing
- 360' Approach Taper for Lane Closure @ 30' Spacing
- 600' Buffer Zone Traffic Drums @ 60' Spacing

**STAGE 2**

- Lane Closure with Traffic Drums for Polymer Overlay
  - 2 Lane W/ Median Turn Lane Bridges (Var. Clear Roadway on the Bridge Decks)

**CONSTRUCTION SEQUENCE**

**STAGE 1**

- Install advance warning signs and end road work signs at the locations shown for stage 1.
- Install maintenance of traffic devices as shown in stage 1 to move traffic to outside travel lanes & shoulders.
- Construct polymer overlay on bridge for inside travel lanes.

**STAGE 2**

- Retain advance warning signs and end road work signs at the locations shown on the stage 2 advance warning details.
- Install stage 2 maintenance of traffic devices and removable construction pavement markings, move traffic to inside lanes.
- Construct polymer overlay on bridge for outside travel lanes.
- Return traffic to normal pattern on roadway, install permanent pavement marking on outside traffic lanes.

**STAGE 1 & 3**

- Mirror layout for stage 3

**ADVANCE WARNING**

- (2 LANE W/ MEDIAN TURN LANE)
- MAINTENANCE OF TRAFFIC DETAILS

**DATE REVIEWED**

4-28-22
CONSTRUCTION SEQUENCE

STAGE 1
- Install advance warning signs and end road work signs at the locations shown for Stage 1.
- Install maintenance of traffic devices as shown in Stage 1 to move traffic to outside travel lanes & shoulders.
- Construct polymer overlay on bridge for inside travel lanes.
- Retain advance warning signs and end road work signs at the locations shown in Stage 2.
- Install Stage 2 maintenance of traffic devices and removable construction pavement markings.
- Install maintenance of traffic devices as shown in Stage 1.
- Construct polymer overlay on bridge for outside travel lanes.
- Return traffic to normal pattern on road.

STAGE 2
- Install advance warning signs and end road work signs at the locations shown for Stage 2.
- Install Stage 2 maintenance of traffic devices and removable construction pavement markings.
- Install permanent pavement markings.
- Advance warning signal box.

LANE CLOSURE WITH TRAFFIC DRUMS FOR POLYMER OVERLAY
4 LANE W/ CONCRETE BARRIER MEDIAN BRIDGE
(56' CLEAR ROADWAY WIDTH ON DECK)
MAINTENANCE OF TRAFFIC DETAILS

**Stage 1**
- 2 Lane Bridge
  - STAGE 1 OVERLAY
    - 0.040'/' (Typ.)
    - 8'-6" SHLD.
  - 39'-0" BRIDGE DECK

**Stage 2**
- 2 Lane Bridge
  - STAGE 2 OVERLAY
    - 0.040'/' (Typ.)
    - 8'-6" SHLD.
  - 39'-0" BRIDGE DECK

DESIRABLE FINAL CONSTRUCTION JT LOCATION

TYPICAL SECTIONS

- 2 LANE ROADWAYS
  - (11'-0" MIN)
  - STAGE 1 TRAFFIC
    - @ 25' O.C.
    - TRAFFIC DRUM
  - (12'-0" MIN)
  - STAGE 2 TRAFFIC
    - @ 25' O.C.
    - TRAFFIC DRUM

- (11'-0" MIN)
  - STAGE 1 TRAFFIC
    - @ 25' O.C.
    - TRAFFIC DRUM

- (12'-0" MIN)
  - STAGE 2 TRAFFIC
    - @ 25' O.C.
    - TRAFFIC DRUM
MAINTENANCE OF TRAFFIC DETAILS

Y:\Projects\ARDOT_186597_012408_Bridge_Preservation\Design\Civil - Bridge Only\Drawings\012408_06_MOT_008.dgn

WORKSPACE: Travis. Keymer

ARDOT

11:16:30 AM

4/28/2022

$ REVD DATE$

REVISED DATE:

JOB NO.

PROFESSIONAL ENGINEER

ARKANSAS

STATE SHEET

NO.9678

LICENSED

SIGN.

No.

$ TOTAL SHEETS$

DATE

DATE

FED.RD.

DIST.NO.

6

REVISED

55

41

012408

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(11'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(11'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(11'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(11'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

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@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

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VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

VERTICAL PANEL

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.
MAINTENANCE OF TRAFFIC DETAILS

2 LANE BRIDGE

STAGE 1

DESIRED FINAL CONST. JT LOCATION

2 LANE BRIDGE

STAGE 2

DESIRED FINAL CONST. JT LOCATION

(2 LANE ROADWAYS)

TYPICAL SECTIONS

(11'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

TRAFFIC DRUM

(TYP.)

0.040'/'

SHLD.

4'

3'-0"

STAGE 1 OVERLAY

0.020'/'

SHLD.

5'

11'-0 LANE

32'-0" BRIDGE DECK

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

TRAFFIC DRUM

(TYP.)

0.040'/'

SHLD.

6'

12'-0 LANE

36'-0" BRIDGE DECK

3'-0"

STAGE 1 OVERLAY

0.020'/'

SHLD.

7'

39'-0" BRIDGE DECK

(11'-0" MIN)

STAGE 1 TRAFFIC

@ 25' O.C.

TRAFFIC DRUM

(TYP.)

0.040'/'

SHLD.

4'

3'-0"

STAGE 1 OVERLAY

0.020'/'

SHLD.

5'

11'-0 LANE

32'-0" BRIDGE DECK

(12'-0" MIN)

STAGE 2 TRAFFIC

@ 25' O.C.

TRAFFIC DRUM

(TYP.)

0.040'/'

SHLD.

6'

12'-0 LANE

36'-0" BRIDGE DECK

3'-0"

STAGE 1 OVERLAY

0.020'/'

SHLD.

7'

39'-0" BRIDGE DECK
**MAGNITUDE OF TRAFFIC DETAILS**

**TYPICAL SECTIONS**

- **Stage 1**
  - 2 LANE BRIDGE
  - 0.040' (Typ.)
  - 12'-0 LANE
  - 43'-0 BRIDGE DECK

- **Stage 2**
  - 2 LANE BRIDGE
  - 0.040' (Typ.)
  - 12'-0 LANE
  - 43'-0 BRIDGE DECK

**DESIGNED FINAL CONST. JT LOCATION**

- **Stage 1**
  - 2 LANE BRIDGE
  - 0.040' (Typ.)
  - 12'-0 LANE
  - 43'-0 BRIDGE DECK

- **Stage 2**
  - 2 LANE BRIDGE
  - 0.040' (Typ.)
  - 12'-0 LANE
  - 43'-0 BRIDGE DECK
PERMANENT PAVEMENT MARKING DETAILS
ONE LANE RAMPS W/ BRIDGE

NOTES:
1. REFER TO TYPICAL SECTION.
2. REFER TO "PERMANENT PAVEMENT MARKINGS" QUANTITY BOX FOR STRIPING AND RAISED PAVEMENT MARKER QUANTITIES.

3. REFER TO "PERMANENT PAVEMENT MARKINGS" QUANTITY BOX FOR STRIPING AND RAISED PAVEMENT MARKERS AT EACH BRIDGE SITE.

BRIDGES < 2,000 ADT

BRIDGES > 2,000 ADT

NOTES:
1. BRIDGE AND ROADWAY DIMENSIONS VARY FOR EACH SITE. REFER TO TYPICAL SECTIONS.
2. PAVEMENT MARKINGS ARE TO BE PLACED FROM BEGINNING OF TRANSITION LEADING INTO EACH SITE. REFER TO "PERMANENT PAVEMENT MARKINGS" QUANTITY BOX FOR TRANSITION LENGTHS AT BRIDGE SITES NO. 32 - 02833 AND NO. 35 - 0315.
3. REFER TO "PERMANENT PAVEMENT MARKINGS" QUANTITY BOX FOR STRIPING AND RAISED PAVEMENT MARKER QUANTITIES AT EACH BRIDGE SITE.

NOTE: THE 6" YELLOW STRIPING QUANTITY HAS BEEN ESTIMATED BASED ON A DOUBLE YELLOW CENTERLINE STRIPE FOR THE ENTIRE PROJECT. THE PROJECT MUST BE MARKED FOR PASSING/NO PASSING ZONES PRIOR TO A DOUBLE YELLOW CENTERLINE STRIPE FOR THE ENTIRE PROJECT.
PERMANENT PAVEMENT MARKING DETAILS
THREE LANE ROADWAYS W/ BRIDGE

NOTES:
1. BRIDGE DIMENSIONS VARY FOR EACH SITE, REFER TO TYPICAL SECTIONS.
2. REFER TO "PERMANENT PAVEMENT MARKINGS" QUANTITY BOX FOR STRIPING AND RAISED PAVEMENT MARKER QUANTITIES AT EACH BRIDGE SITE.

PERMANENT PAVEMENT MARKING DETAILS
FOUR LANE PAINTED MEDIAN ROADWAYS W/ BRIDGE

NOTES:
1. BRIDGE DIMENSIONS VARY FOR EACH SITE, REFER TO TYPICAL SECTIONS.
2. REFER TO "PERMANENT PAVEMENT MARKINGS" QUANTITY BOX FOR STRIPING AND RAISED PAVEMENT MARKER QUANTITIES AT EACH BRIDGE SITE.

PERMANENT PAVEMENT MARKING DETAILS
FOUR LANE MEDIAN BARRIER WALL DIVIDED ROADWAY W/ BRIDGE

NOTES:
1. BRIDGE DIMENSIONS VARY FOR EACH SITE, REFER TO TYPICAL SECTIONS.
2. REFER TO "PERMANENT PAVEMENT MARKINGS" QUANTITY BOX FOR STRIPING AND RAISED PAVEMENT MARKER QUANTITIES.
### PERMANENT PAVEMENT MARKING DETAILS

#### FOUR LANE WITH MEDIAN TURN LANE ROADWAYS W/ BRIDGE

1. Bridge and roadway dimensions vary for each site. Refer to typical sections.
2. Pavement markings are to be placed from beginning of transition leading into bridge site through cold milling. Refer to cold milling details. Pavement marker quantities for pavement markings at each bridge site.
3. Refer to "Permanent Pavement Markings" for striping and raised pavement marker quantities at each bridge site.

#### NOTES:

- "A" Bridge
- "B" Bridge

### Table

<table>
<thead>
<tr>
<th>Bridge</th>
<th>Route</th>
<th>Section</th>
<th>Log ID</th>
</tr>
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<tr>
<td>DIST. 4</td>
<td>HWY. 124</td>
<td>22</td>
<td>6.008</td>
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<td>DIST. 5</td>
<td>HWY. 7</td>
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<td>0.447</td>
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<td>DIST. 6</td>
<td>HWY. 64</td>
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### Diagram

- Thermoplastic Pavement Marking White (6") - Continuous Edge Line
- Skip Line w/ Raised Pavement Markers (Typ. II)

#### PERMANENT PAVEMENT MARKING DETAILS

2 LANE GRASS MEDIAN DIVIDED ROADWAYS W/ BRIDGE

1. Bridge and roadway dimensions vary for each site. Refer to typical sections.
2. Refer to "Permanent Pavement Markings" for striping and raised pavement marker quantities at each bridge site.

### Table

<table>
<thead>
<tr>
<th>Bridge</th>
<th>Route</th>
<th>Section</th>
<th>Log ID</th>
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</thead>
<tbody>
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<td>BR. 06587</td>
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<tr>
<td>BR. 06588</td>
<td>HWY. 65</td>
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### Diagram

- Thermoplastic Pavement Marking Yellow (6") - Solid Line
- Skip Lines w/ Raised Pavement Markers (Typ. II)
### ADVANCE WARNING SIGNS AND DEVICES - DISTRICTS 4, 8, & 9

**LANE CLOSURE FOR POLYMER OVERLAY BRIDGES**

<table>
<thead>
<tr>
<th>SIGN NUMBER</th>
<th>DESCRIPTION</th>
<th>SIGN SIZE (INCHES)</th>
<th>STAGE 1</th>
<th>STAGE 2</th>
<th>STAGE 3</th>
<th>MAXIMUM CONCRETE REQUIRED</th>
<th>TOTAL SIGNS (EACH)</th>
<th>VERTICAL PANELS</th>
<th>TRAFFIC SIGNS</th>
<th>MARRIAGES (TYPE BS)</th>
<th>RELocation</th>
<th>PORABLE (HARVEST OR SYSTEM)</th>
<th>PORTABLE (CRAWLER OR SYSTEM)</th>
<th>PORTABLE (CRAWLER OR SYSTEM)</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

#### Notes:
- Traffic control devices may be used for high and low traffic volumes in each district.
- Advance warning signs may be relocated between bridge sites and districts 4, 8, and 9.
- The total quantity is based on the number of each device used and return to the contractor.

#### Specifications:
- (DISTRICTS 4, 8, & 9) ADVANCE WARNING SIGNS - HIGHWAY.

#### Quantities:
- See Section H.3.3 of the STP specs.
### Cold Milling Asphalt Pavement - Dist. 8 (Box 1 of 2)

<table>
<thead>
<tr>
<th>BR. NO.</th>
<th>BRIDGE STRUCTURE NO.</th>
<th>ROUTE</th>
<th>LOG MILE</th>
<th>LOCATION</th>
<th>AVG. DEPTH (ASPHALT)</th>
<th>COLD MILLING ASPHALT PAVEMENT</th>
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</thead>
<tbody>
<tr>
<td>32</td>
<td>0353</td>
<td>275</td>
<td>0.24</td>
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<td>0.36</td>
<td>0.36</td>
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</table>

**Note:** Coordinate cold milling stockpile locations with District Engineer. Stockpile locations shall be no further than five miles from each site.

### Cold Milling Asphalt Pavement - Dist. 9 (Box 2 of 2)

<table>
<thead>
<tr>
<th>BR. NO.</th>
<th>BRIDGE STRUCTURE NO.</th>
<th>ROUTE</th>
<th>LOG MILE</th>
<th>LOCATION</th>
<th>AVG. DEPTH (ASPHALT)</th>
<th>COLD MILLING ASPHALT PAVEMENT</th>
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</thead>
<tbody>
<tr>
<td>25</td>
<td>0081</td>
<td>80</td>
<td>0.24</td>
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<td>0.36</td>
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**Note:** Coordinate cold milling stockpile locations with District Engineer. Stockpile locations shall be no further than five miles from each site.

### Base and Surfacing - Main Lane Transitions - Dist. 8 (Box 1 of 2)

<table>
<thead>
<tr>
<th>BR. NO.</th>
<th>BRIDGE STRUCTURE NO.</th>
<th>ROUTE</th>
<th>LOG MILE</th>
<th>LOCATION</th>
<th>TRANSITION LENGTH</th>
<th>ACHM SURFACE COURSE (1ST)</th>
<th>ACHM SURFACE COURSE (2ND)</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>0353</td>
<td>275</td>
<td>0.24</td>
<td></td>
<td>0.36</td>
<td>0.36</td>
<td>0.36</td>
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</table>

**Note:** Coordinate cold milling stockpile locations with District Engineer. Stockpile locations shall be no further than five miles from each site.

### Base and Surfacing - Main Lane Transitions - Dist. 9 (Box 2 of 2)

<table>
<thead>
<tr>
<th>BR. NO.</th>
<th>BRIDGE STRUCTURE NO.</th>
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**Note:** Coordinate cold milling stockpile locations with District Engineer. Stockpile locations shall be no further than five miles from each site.
<table>
<thead>
<tr>
<th>SHEET SHEET</th>
<th>SHEET</th>
<th>STRUCTURE</th>
<th>NO.</th>
<th>ROUTE</th>
<th>LOG WKS</th>
<th>DESCRIPTION</th>
<th>REMOVAL CONSTRUCTION MARKINGS</th>
<th>REMOVAL DISPOSAL PLANEABLE MARKER</th>
<th>RAISED MARKINGS</th>
<th>THERMOPLASTIC MARKINGS</th>
<th>NONCONSTRUCTION PAINT MARKINGS</th>
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**NOTE:** The table above shows the quantities for highway construction. Refer to the permanent pavement markings columns for the list of high and low road in each district.

For 2 lane roads, both high and low traffic volume is designated. For 2 lane roads, the "3" white stop bar on the quantity from the lane maintenance of traffic detail is included in the removable construction pavement markings column for Stage 1 and Stage 2 construction.

The "4" yellow striping quantity has been estimated on the basis of a yellow centerline stripe for the entire project. The project must be marked for a minimum of two zones prior to the placement of any final striping. The maintenance division after the final lift of surfacing course has been placed to schedule the zoning of the project.

*Removal and disposal of plowed pavement marker quantity is to be used if and where directed by the engineer. Quantities estimated per section 104.55 of the specifications.*

**FOR 2 LANE ROADS:**
- THE "3" WHITE STOP BAR IN FT. QUANTITY FROM THE LANE MAINTENANCE OF TRAFFIC DETAIL IS INCLUDED IN THE REMOVABLE CONSTRUCTION PAVEMENT MARKINGS COLUMN FOR STAGE 1 AND STAGE 2 CONSTRUCTION.
- THE "4" YELLOW STRIPING QUANTITY HAS BEEN ESTIMATED BASED ON A DOUBLE YELLOW CENTERLINE STRIPE FOR THE ENTIRE PROJECT. THE PROJECT MUST BE MARKED FOR PASSING ZONES PRIOR TO THE PLACEMENT OF ANY FINAL STRIPING. CONTACT THE MAINTENANCE DIVISION AFTER THE FINAL LIFT OF SURFACE COURSE HAS BEEN PLACED TO SCHEDULE THE ZONING OF THE PROJECT.

**TOTAL QUANTITIES:**
- WHITE: 1,184
- YELLOW: 1,184
- RED: 1,184
- BLACK: 1,184
- GREEN: 1,184
- BLUE: 1,184
- OTHER: 1,184
- **TOTAL: 1,184**

**QUANTITIES:**

- WHITE: 1,184
- YELLOW: 1,184
- RED: 1,184
- BLACK: 1,184
- GREEN: 1,184
- BLUE: 1,184
- OTHER: 1,184
- **TOTAL: 1,184**

**SHEET SHEET:**
- WHITE: 1,184
- YELLOW: 1,184
- RED: 1,184
- BLACK: 1,184
- GREEN: 1,184
- BLUE: 1,184
- OTHER: 1,184
- **TOTAL: 1,184**
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**SCHEDULE OF BRIDGE QUANTITIES - JOB NO. 012408**

1. Existing bridge deck has an asphalt overlay. See roadway plans for average depth at each bridge site.
2. Existing bridge deck is not asphalt overlay.
3. Existing bridge deck has repairs made of an asphalt overlay.
4. Existing bridge deck has a spall-filled with asphalt.
5. Remove impacted concrete from steel seal joints by forming and spread flat joints to be sawn and removed with spread side joint material.
6. Modification of existing bridge structure includes repair of section of layer casing joint material.
7. Modification of existing bridge structure includes repair of deck repair overlay.
8. Modification of existing bridge structure includes repair of deck repair overlay.
9. Modification of existing bridge structure includes repair of deck repair overlay.
10. Modification of existing bridge structure includes repair of deck repair overlay.

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**SCHEDULE OF BRIDGE QUANTITIES - VARIOUS COUNTIES (5)**

**DISTRICTS 4, 5 & 6是**

**BRIDGE ENGINEER**

**LITTLE ROCK, ARKANSAS**

**ARKANSAS STATE HIGHWAY COMMISSION**

**NO SCALE**

**DATE:**

**FILE:**

**DRAWING NO.:**

**ENGINEER:**

**SHEET NO.:**

**I 6127**
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**Bridge Preservation Data Table**

**District 8**

**Route Name**

**Section Name**

**Route**

**Section**

**Date**

**Drawing No.**

**Scale**

**Design Engineer**

**Date**

**Engineer**

**Date**

**Print Date**

**Arkansas State Highway Commission**

**Little Rock, Arkansas**

---

**Note:** All changes and modifications to the original plans should be made on the original sheets and are subject to approval of the Architectural Engineer or Design Engineer.
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BARRIER PLACEMENT ALONG BRIDGE WITH OFFSET

** Offset Distance for Two Way Traffic Only

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If offset distance is not attainable, then see "Barrier Placement With Attenuator" detail shown below.

BARRIER PLACEMENT WITH ATTENUATOR

** Offset Distance For Two Way Traffic Only

** Offset Distance For Traffic Only

Edge of Travel Lane

Temporary Impact Attenuation Barrier

** Min. 3'-0" From Edge of Travel Lane to Nearest Edge of Attenuator

General Notes

When shown on the Plans, the ends of the Temporary Precast Concrete Barrier shall be protected with a Manual For Assessing Safety Hardware (MASH) approved Crash Cushion. Payment for Crash Cushions shall be made under the item of **Temporary Impact Attenuation Barrier.**