SHOULDERS UNDER BRIDGES

GUIDE FOR PAVING

PLAN

NOTES:

PAVE THE FULL WIDTH OF THE SHOULDER AND OFFSET AS SHOWN WITH SHOULDER PAVEMENT MATERIAL AS SHOWN ON PLANS.

*PAVED OFFSET BASED ON BRIDGE POLICY (SEE STRUCTURE PLANS).

PROTECT SLOPE WITH REINFORCED CONCRETE PAVING. CONCRETE BLOCK PAVING WILL NOT BE PERMITTED.

ELEVATION

MINIMUM 12" HEIGHT EXPANSION JOINT MATERIAL BETWEEN FACE OF PIER AND SLOPE PROTECTION TOE.

SEPARATE CONCRETE SLOPE PROTECTION FROM BRIDGE PIER WITH 1" EXPANSION JOINT MATERIAL (MINIMUM 4" LENGTH).

E.O.T.

ROADWAY PAVEMENT

1" EXP. JT. MATERIAL

1'-11"

6" OFFSET

4" SLOPE PROTECTION
(SEE STRUCTURE PLANS)

1" EXP. JOINT MATERIAL

BRIDGE PIER

PRECAST CONCRETE BARRIER, SINGLE FACED

PAVED OFFSET

MATERIAL BETWEEN FACE OF PIER AND SLOPE PROTECTION TOE.

ROADWAY PAVEMENT

PAVED SHOULDER WIDTH

200' TAPER

25'

WIDTH OF SLOPE PROTECTION
(SEE STRUCTURE PLANS)

25'

END OF 4" SLOPE PROTECTION

*PAVED OFFSET

E.O.T.
METHOD II
SHOULders UNDER BRIDGES
GUIDE FOR PAVING
ROADWAY STANDARD DRAWING FOR

RALEIGH, N.C.
DIVISION OF HIGHWAYS
DEPT. OF TRANSPORTATION
NORTH CAROLINA
STATE OF

NOTES:
The full width of the shoulder and offset as shown on plans. Paved offset based on bridge policy (see structure plans). Paved shoulder will not be permitted.

ROADWAY PAVEMENT

PAVED SHOULDER WIDTH

200' TAPER

WIDTH OF SLOPE PROTECTION

25' (SEE SLOPE PROTECTION)

END OF SLOPE PROTECTION

PAVED OFFSET

PLAN

E.O.T.

4" SLOPE PROTECTION

GUARDRAIL

BACK OF GUARDRAIL TO 1" OFFSET FROM

200' TAPER

25'

200' TAPER

E.O.T.

PAVED OFFSET

(SEE SLOPE PROTECTION)

(SEE STRUCTURE PLANS)

PAVED OFFSET BASED ON BRIDGE POLICY (SEE STRUCTURE PLANS).

PAVE THE FULL WIDTH OF THE SHOULDER AND OFFSET AS SHOWN WITH SHOULDER PAVEMENT MATERIAL.

PROTECT SLOPE WITH REINFORCED CONCRETE PAVING. CONCRETE BLOCK PAVING WILL NOT BE PERMITTED.

*PAVED OFFSET BASED ON BRIDGE POLICY (SEE STRUCTURE PLANS). AS SHOWN ON PLANS.

ROADWAY STANDAD DRAWING FOR
GUIDE FOR PAVING
SHOULders UNDER BRIDGES
METHOD II

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
VERTICAL CURVE OFFSET

FOR 6’ V.C. AT BRIDGES

<table>
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<th>0.03</th>
<th>0.02</th>
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VERTICAL CURVE OFFSET

1½:1 BACK SLOPE

SHOULDER SLOPE

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NOTES:
- PROTECT SLOPE WITH REINFORCED CONCRETE PAVING. CONCRETE BLOCK PAVING WILL NOT BE PERMITTED.
- OFFSETS FOR 6’ V.C. DENOTES FINISHED GRADE OF SLOPE PROTECTION.
SHOULDERS UNDER BRIDGES

GUIDE FOR PAVING

PLAN

ELEVATION

NOTES:
*PAVED OFFSET BASED ON BRIDGE POLICY (SEE STRUCTURE PLANS).
PAVE THE FULL WIDTH OF THE SHOULDER AND OFFSET AS SHOWN WITH SHOULDER PAVEMENT MATERIAL.

PAVED SHOULDER WIDTH

BARRIER TO FACE OF WALL
1" OFFSET FROM BACK OF END OF THE ABUTMENT WALL

NOTES:
(SEE STRUCTURE PLANS)
PAVE THE FULL WIDTH OF THE SHOULDER AND OFFSET AS SHOWN WITH SHOULDER PAVEMENT MATERIAL.

BARRIER, SINGLE FACED
PRESSCAST CONCRETE

METHOD IV

RALEIGH, N.C.
DIVISION OF HIGHWAYS
DEPT. OF TRANSPORTATION
NORTH CAROLINA
STATE OF

SHEET 1 OF 1

ROADWAY STANDARD DRAWING FOR ROADWAY STANDARD DRAWING FOR
SHOULDERS UNDER BRIDGES
METHOD IV

ROADWAY STANDARD DRAWING FOR ROADWAY STANDARD DRAWING FOR
SHOULDERS UNDER BRIDGES
METHOD IV

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SHOULDERS UNDER BRIDGES
METHOD IV

ROADWAY STANDARD DRAWING FOR ROADWAY STANDARD DRAWING FOR
SHOULDERS UNDER BRIDGES
METHOD IV
### Pavement Repairs on Roads to Be Resurfaced

(Pipe is placed under existing pavement)

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### Pavement Repairs on Roads Not to Be Resurfaced

(Pipe is to be placed under existing pavement)
MILLED RUMBLE STRIPS
ASPHALT SHOULDERS

*FOR WIDTHS SEE TYPICAL SECTIONS AND PLAN SHEETS

PLAN VIEW
PAVED SHOULDER

SECTION A-A

SECTION B-B

FOR WIDTHS SEE TYPICAL SECTIONS AND PLAN SHEETS
TREATMENT AT RAMP TERMINALS

BEGIN RUMBLE STRIPS ON RAMP SHOULDER

ACCELERATION RAMP

MEDIAN

DECELERATION RAMP

50'

END RUMBLE STRIPS ON RAMP SHOULDER

END RUMBLE STRIPS ON MAINLINE SHOULDER

BEGIN RUMBLE STRIPS ON MAINLINE SHOULDER

TREATMENT AT LOOP TERMINALS

BEGIN RUMBLE STRIPS ON LOOP PAVEMENT WHERE TRANSITION BECOMES 4'-0"

ACCELERATION LOOP

END RUMBLE STRIPS ON MAINLINE SHOULDER

BEGIN RUMBLE STRIPS ON MAINLINE SHOULDER

TAPE TO CURB & GUTTER

END RUMBLE STRIPS

DECELERATION LOOP

TREATMENT AT INTERSECTIONS

(Roadway or Driveway)

* TERMINATE AT DRIVEWAYS AS DIRECTED BY THE ENGINEER.

* TERMINATE AT DRIVEWAYS AS DIRECTED BY THE ENGINEER.