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Inter-Departmental Memorandum

Date: May 18, 2015
To: Design Team Leaders
Design Section Engineers
From: Roadway Design Division Engineer
Richard Pittman, P.E.
Subject: Revised Detail of Pavement at Guardrail

Attached is a revised Miscellaneous Detail Sheet showing two options for the pavement detail at guardrail. The first detail is the original detail, and will be used in any situations where the final lift of asphalt will be placed before opening to traffic. An example of this would be on new location construction when there is no need to open to traffic prior to completion of the paving process.

The second detail has been created for projects that require the top lift of asphalt to be left off until near the end of the project, and traffic is placed on the second from top lift of asphalt. This type of phasing is common on bridge replacement projects in which the guardrail is required to be in place prior to switching traffic onto the new bridge, but the top lift is not placed until near the end of construction to avoid any damage. If the first detail is used on this type of project, the asphalt underneath the guardrail will be hand-worked, and will result in rough, undesirable surfaces. Using the second detail will allow the top lift of asphalt to be placed near the completion of the project, and tapered down to no farther than one (1) foot from the guardrail, and no hand-work will be required.

Designers are required to choose which detail is needed to be included in their plans, and delete the other detail.

Also included in this drawing is a revised detail for pavement transition at bridge ends. This detail will require editing to match each project's specific pavement design.

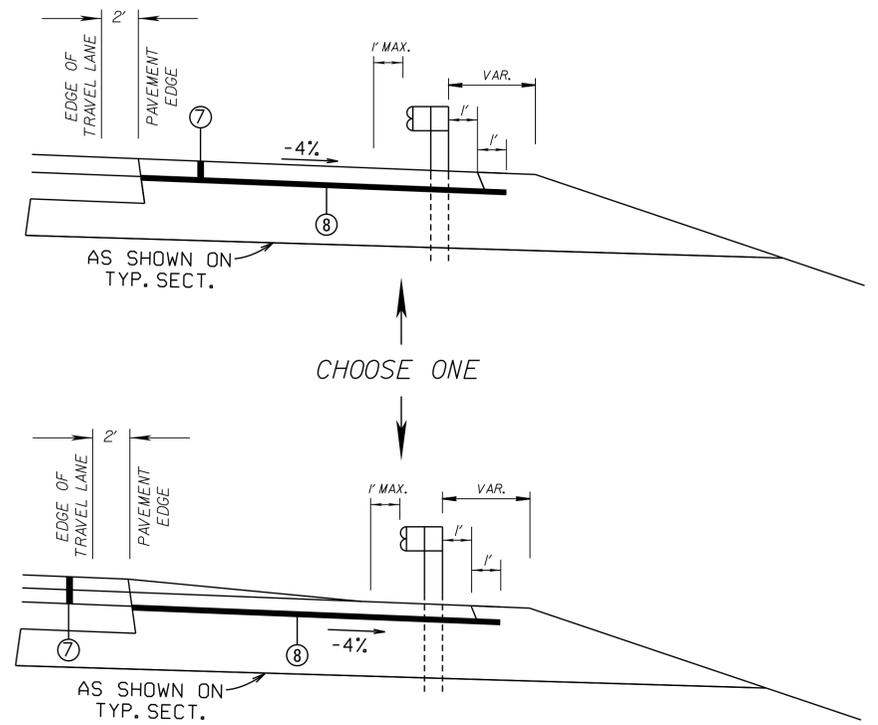
Beginning with the July 2015 letting, plans are required to comply with this memo. Any plans for the July 2015 letting or later that have already been printed for Final Plans must be revised.

If there are any questions, please advise.



Pc: Assistant Chief Engineer – Preconstruction (Mood)
Assistant Roadway Design Engineer (Seal)
Roadway Design Quality Control (Sutterfield)
Special Projects Engineer (Geno)
Assistant District Engineers – Preconstruction
Construction Division (Chisolm)
Active Consultants

JRP:jrp
Attachment

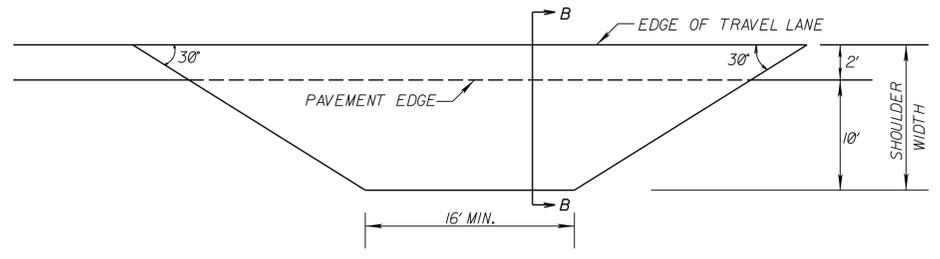


CHOOSE ONE

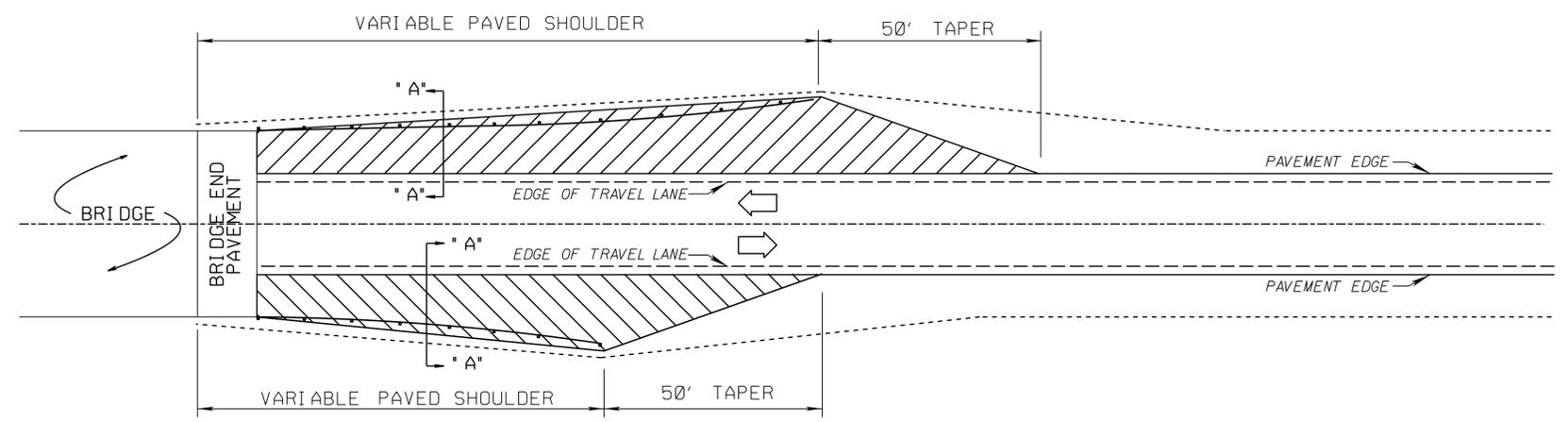
SECTION A-A

- ⑦ TOP 2 LIFTS OF ASPHALT AS SHOWN ON TYPICAL SECTION.
- ⑧ PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER).

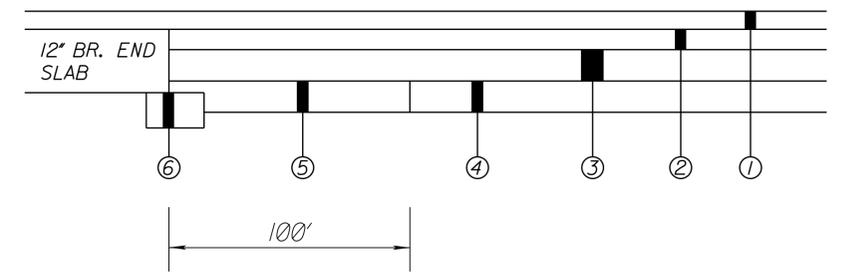
NOTE • DOES NOT APPLY TO OGFC.
 • MAY BE MODIFIED AS DIRECTED BY THE ENGINEER.



DETAIL OF PAVED APRON
 SEE SECTION B-B

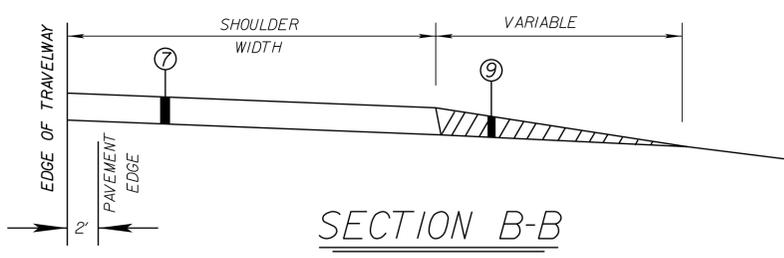


DETAIL OF PAVED SHOULDERS AT BRIDGE ENDS
 SEE SECTION "A" - "A"



DETAIL FOR PAVEMENT TRANSITION AT BRIDGE ENDS

- ① X" Asphalt Pavement, (9.5mm MIXTURE)
- ② X" Asphalt Pavement, (12.5mm MIXTURE)
- ③ X" Chemically Treated Granular Material (9/C)
- ④ X" Chemically Treated Subgrade
- ⑤ Crushed Stone W/Fabric
- ⑥ Sleeper Slab



SECTION B-B

- ⑦ TOP 2 LIFTS OF ASPHALT AS SHOWN ON TYPICAL SECTION.
- ⑨ VARIABLE DEPTH GRANULAR MATERIAL AS SHOWN ON TYPICAL SECTION

5/15/2015 16:59:35 TYPICAL TESTING.DGN

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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | | PRELIMINARY NOT FOR CONSTRUCTION |
| MISCELLANEOUS TYPICAL SECTION DETAILS | | |
| COUNTY: | WORKING NUMBER | MTSD |
| PROJ. NUM.: | SHEET NUMBER | |
| FILENAME: MTSD.DGN | DATE | \$PG\$ |
| DESIGN TEAM_DANGERFIELD_CHECKED | DATE_05/01/15 | |