

INDIANA DEPARTMENT OF TRANSPORTATION

INTER-DEPARTMENT COMMUNICATION



Standards Section -- Room N642
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June 7, 2000

DESIGN MEMORANDUM No. 00-09 **TECHNICAL ADVISORY**

TO: All Design, Operations, and District Personnel, and Consultants

FROM: */s/ Anthony L. Uremovich*
Anthony L. Uremovich
Acting Design Policy Engineer
Contracts & Construction Division

SUBJECT: PCCP Typical Sections, Design Manual Section 52-6.0

EFFECTIVE: Immediately—See Below for Additional Information

SUPERSEDES: Design Manual Figures 52-6F through 6H and 52-6M through 6 O

The Policy Change portion of Design Memorandum No. 00-09 includes revised PCCP typical sections that supersede the corresponding figures in Section 52-6.0 of the Design Manual. This Technical Advisory discusses the proposed changes and how they affect the preparation of contract documents.

INTRODUCTION

The primary change in the revised typical sections is the introduction of a platform of subbase for PCCP constructed immediately adjacent to each PCCP edge. This platform is intended to provide the paving contractor a suitable track path for the paver used during the paving operation.

REQUIRED PLAN SHEET CHANGES

All pavement sections shown on Typical Cross Section Sheets should be in accordance with the revised figures for all contracts with Tracings submitted after August 1, 2000.

The subbase for PCCP layer thickness requirements are summarized below:

1. **All Rural Projects**—75 mm (3 in.) No. 8 Aggregate drainage layer on a 100 mm (4 in.) No. 53 Aggregate separation layer.
2. **Urban Projects on New Alignment**—75 mm (3 in.) No. 8 Aggregate drainage layer on a 100 mm (4 in.) No. 53 Aggregate separation layer.
3. **Urban Projects on Existing Alignment**—75 mm (3 in.) No. 8 Aggregate drainage layer on a 150 mm (6 in.) No. 53 Aggregate separation layer.

AFFECTED PAY ITEMS/QUANTITIES

1. **Subbase for PCCP (Pay Item Number 304-06464)**—As mentioned previously, the subbase installation limits have been revised to allow for construction of the paver track platform. The pay item quantity must account for the revised limits.
2. **Subgrade Treatment Pay Items**—Refer to the appropriate pavement section for the subgrade treatment limits. Underdrain trench areas within the subgrade treatment limits are not deducted from the subgrade treatment related pay item quantities.

RECURRING SPECIAL PROVISION

Recurring Special Provision 304-R-199, Subbase for PCCP, should be included in all contracts that feature the pay item referenced in the title.

The RSP permits the contractor to use alternate subbase materials, but the use of these materials is a contractor option and does not affect the design of subbase for PCCP.

CONCLUSION

Hopefully, these changes have been expressed in a clear manner. If there are any questions on this matter, please do not hesitate to contact me at (317) 232-6775.

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