



Inter-Office Communication

Division of Highway Operations
Office of Pavement Engineering

Date: December 22, 2000
To: Tom Singleton, Specifications Engineer
From: Aric A. Morse, Pavement Design Coordinator
Subject: Superpave Notes

Reference is made to our previous communication dated December 6, 2000 regarding Superpave implementation. Please insert the following Designer Note and Implementation Note into the proper Internet/Intranet web sites to assist others towards the implementation and proper use of this new specification.

Designer Note (for SS 858): Use this specification on all non-warranty projects and 3 yr warranty (SS 1059) projects where the number of trucks (ADT x T24) in the current traffic is 1500 or more; OR the number of trucks (ADT x T24) in the current traffic is 750 or more, AND the project is in a high stress area (see Appendix B of the Pavement Design & Rehab. Manual).

This specification cannot be used with 5 and 7 year warranty projects. More detailed discussion concerning proper application of the pay item descriptions is found in the Pavement Design and Rehabilitation Manual, Section 404. Any additional questions should be directed to the Office of Pavement Engineering at 614-995-5900.

Pay descriptions contain a reference to maximum aggregate size used in the mix. The size is to be specified in metric units, even on English unit plans.

Implementation Note: The Superpave Specification Item 858 will be used on all appropriate plans scheduled to sell on or after July 1, 2001. All General Summary references must be changed to reflect the intended Item Description. In addition to the necessary changes to the General Summary, a Plan Note can be used to modify the pay item descriptions, typical sections, and sub-summaries; or if time permits the plans can be modified.

The following Plan Notes are provided:

Item 858 Asphalt Concrete Surface Course, 12.5 mm, Type ___* (446)

All references to Item 446 Asphalt Concrete Surface Course, Type 1H, have been changed in the General Summary to read Item 858 Asphalt Concrete Surface Course, 12.5mm, Type ___ (446).

Item 858 Asphalt Concrete Surface Course, 12.5 mm, Type ___* (448)

All references to Item 448 Asphalt Concrete Surface Course, Type 1H, have been changed in the General Summary to read Item 858 Asphalt Concrete Surface Course, 12.5mm, Type ___ (448).

Item 858 Asphalt Concrete Intermediate Course, 19 mm, Type ___* (446)

All references to Item 446 Asphalt Concrete Intermediate Course, Type 2, PG64-28 have been changed in the General Summary to read Item 858 Asphalt Concrete Surface Course, 19 mm, Type ___ (446).

Item 858 Asphalt Concrete Intermediate Course, 19 mm, Type ___* (448)

All references to Item 448 Asphalt Concrete Intermediate Course, Type 2, PG64-28 have been changed in the General Summary to read Item 858 Asphalt Concrete Surface Course, 19mm, Type ____ (448).

Item 858 Asphalt Concrete Intermediate Course, 9.5 mm, Type ___* (448)

All references to Item 448 Asphalt Concrete Intermediate Course, Type 1, PG64-28 have been changed in the General Summary to read Item 858 Asphalt Concrete Surface Course, 19mm, Type ____ (448).

Designer Note (for Item 858 Plan Note):

Type ___* must specify the aggregate gradation bands. Use either "A" or "B" – see Pavement Design & rehabilitation Manual, Section 404.2

Additionally, updates to all of the designer notes to related proposal notes have been made and requested by Dave Powers by separate E-mail (attached).

If I can provide any further assistance, please do not hesitate to contact me at 614-995-5994, or by e-mail at aric.morse@dot.state.oh.us

Attachment

AAM
AAM

C: Bill Christensen, Dave Powers, Bill Ujvari, Steve Trendy, Pavement Office, File, Reading File



David Powers
12/18/00 11:30 AM

To: Tom Singleton/Construction/CEN/ODOT@ODOT
cc: Aric Morse/Pavement/CEN/ODOT@ODOT, Bill
Christensen/Construction/CEN/ODOT@ODOT
Subject: request for clarification

Tom,

Some CO designers have requested help of Aric Morse in designer note clarification for SS 858 superpave as it relates to existing proposal notes including boiler plate notes. Below is partial or full text from the existing designer notes and suggested changes in bold italics in the designer note.

Please pass this along so the web page notes get changed as well.

1) 408c

BITUMINOUS CONCRETE (448) QUALITY CONTROL AND ACCEPTANCE, SUPPLEMENT
1056 REQUIRED
- 5/5/98

Designer's Note: This note should be used on all projects which include any 448 items **or any 858 item with 448 in the item description**. Questions concerning this note should be addressed to David B. Powers in the Office of Materials Management at 614-275-1387.

2) 414

ASPHALT CONCRETE SURFACE SMOOTHNESS REQUIREMENTS - 6/15/99

Designer's Note: This note should be used with 446 **(including 858 items containing 446 in the item description)** asphalt concrete surface courses when the project:

3) 414DB

ASPHALT CONCRETE SURFACE SMOOTHNESS REQUIREMENTS FOR DESIGN-BUILD
PROJECTS -
8/29/00

Designer's Note: This note is to be used ONLY on Design-Build projects with 446 **(including 858 items containing 446 in the item description)** asphalt concrete surface courses when the project:

4) 425a

703.05 AGGREGATE FOR ASPHALT CONCRETE (SOUNDNESS REQUIREMENTS) -
3/19/96

Designer's Note: This note is to be used in District 3 ONLY on all projects which contain 446, 448, 858 or any other asphalt concrete surface course mixes. Questions concerning this note should be directed to David B. Powers in the Office of Materials Management at 614-275-1387.

5)

426

(Included in
Boiler Plate)

702.01 BITUMINOUS MATERIAL (PG BINDER REQUIREMENT) - 1/6/99

Designer's Note: This note shall be included in boiler plate Proposal Note 101-97, and effects
all

projects that contain 402, 403, 404, 446, 448, **858** or any other asphalt concrete mixes.

6)
427

(Included in
Boiler Plate)

703.01 AGGREGATE FROM OPEN HEARTH, BASIC OXYGEN (BOF) AND ELECTRIC ARC
(EAF) STEEL
SLAG

other Designer's Note: This note effects projects containing Items 301, 302, 446, 448, **858** or any
asphalt concrete mix, and is included in boiler plate Proposal Note 101-97.

Thanks much,
Dave Powers