



INDIANA DEPARTMENT OF TRANSPORTATION

STANDARDS COMMITTEE MEETING AGENDA

Driving Indiana's Economic Growth

August 2, 2005

MEMORANDUM

TO: Standards Committee

FROM: Dannie L. Smith, Secretary

RE: Agenda for the August 18, 2005 Standards Committee Meeting

A Standards Committee meeting is scheduled for 9:00 a.m. on August 18, 2005 in the N755 Bay Window Conference Room. Please enter the meeting through the double doors directly in front of the conference room. The following agenda items are listed for consideration.

New Business

Item 7-1 105.06	Mr. Cales Cooperation With Utilities	8/18/05 100-35	3
Item 7-2 Standard Drawings	Mr. Cales 609-RCBA-03,04,07	8/18/05	5
Item 7-3 610.01	Mr. Cales Description	8/18/05 600-32	9
Item 7-4 610.05	Mr. Cales Method of Measurement	8/18/05 600-33	10
Item 7-5 610.06	Mr. Cales Basis of Payment	8/18/05 600-33	11
Item 7-6 707.12	Mr. Caplinger Basis of Payment	8/18/05 700-64	13
Item 7-7 902.01(a)1 902.01(a)2 902.01(a)3 902.01(a)14	Mr. Miller Lots and Sublots Sampling PG Binder Testing Appeals	8/18/05 900-13 900-13 900-13 900-13	15

cc: Committee Members (7)
Districts (28)
FHWA (3)
ICI Representative (1)
IMAA Representative (1)
APAI Representative (1)
ACEC Representative (1)
ADS Representative (1)
Mirich Representative

ACPA Representative (1)
Contech Representative (1)
IKO Representative (1)
Bridgetek Representative (1)
INDOT Toll Road (3)
Traffic Design (3)
Estimators (3)
Specification Writers (4)

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 105, BEGIN LINE 149, INSERT AS FOLLOWS:

The plans show all known utilities located within the limits of the contract according to information obtained from the various utility companies. The accuracy of the plans in this respect is not guaranteed by the Department. All of the permanent and temporary utility appurtenances in their present or relocated positions *as shown on the plans* shall have been considered in the bid.

If work by one or more utilities is contingent on work by the Contractor or another utility, the Contractor shall keep all parties informed of the status and estimated completion date for the advance work in order to give each utility as much notice as possible to schedule crews and material for their relocation work.

The contract documents in 107.25 identify each known utility and describe all known necessary work and an anticipated schedule for completion. However, if a utility fails to relocate or adjust their facilities as provided for in the contract documents and the Contractor sustains delays and/or losses that could not have been avoided by the Contractor's judicious handling of forces, equipment, and plant or by reasonable revisions to the schedule of operations, and the Contractor has documented its utility coordination efforts and sustained delays and losses, and if the sustained delays and losses were not caused by the negligence of the Contractor, the Contractor may pursue appropriate compensation *under 104.02* or from the documented offending party in accordance with Public Law 35-2005. *If the Contractor is delayed and it provides the aforementioned information to the Engineer, the time for completion may be extended in such amount as the conditions justify or the Contractor may be compensated for an accelerated construction schedule.*

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Y___ N___ By - Addition or Revision
None	Frequency Manual Update Required? Y___ N___ By - Addition or Revision
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
100-C-186	None
Motion: Mr.	Action: Passed as submitted; revised
Second: Mr.	Effective - _____ Letting
Ayes:	_____ Supplementals
Nays:	Withdrawn. Resubmit? _____
	Received FHWA Approval? _____

SMITH, DAN

From: SMUTZER, RICHARD
Sent: Tuesday, July 12, 2005 8:29 AM
To: SMITH, DAN
Subject: RE: Utility Coordination

Dan:

These changes should be placed on the next Standards Committee agenda to assure that everyone reviews them and we follow normal procedures. RKS

-----Original Message-----

From: SMITH, DAN
Sent: Monday, July 11, 2005 2:25 PM
To: SMUTZER, RICHARD; THACKER, BRENDA; BEUCHEL, MIKE; HEALY, JOHN; LANGUAGE, SUSAN; SULLIVAN, ANDREW
Cc: Lee Gallivan (victor.gallivan@fhwa.dot.gov); HULL, STEVE
Subject: Utility Coordination

Attached is a revised 100-C-186, Cooperation With Utilities. It is dated 7/11/05. It is located in the March 2005 files in the Q drive.

We have been instructed to use it for the July and August 2005 lettings.

The previous version was placed in the 2006 Standard Specifications. Therefore, a new recurring will be prepared for contracts for the September 2005 letting and will be necessary until the September 2006.

Should you have questions, let me know.

Thanks

*Dan Smith
Specifications Manager
Indiana Department of Transportation
Rm N642
(317) 232-5353
Fax: 233-4929*

7/12/2005

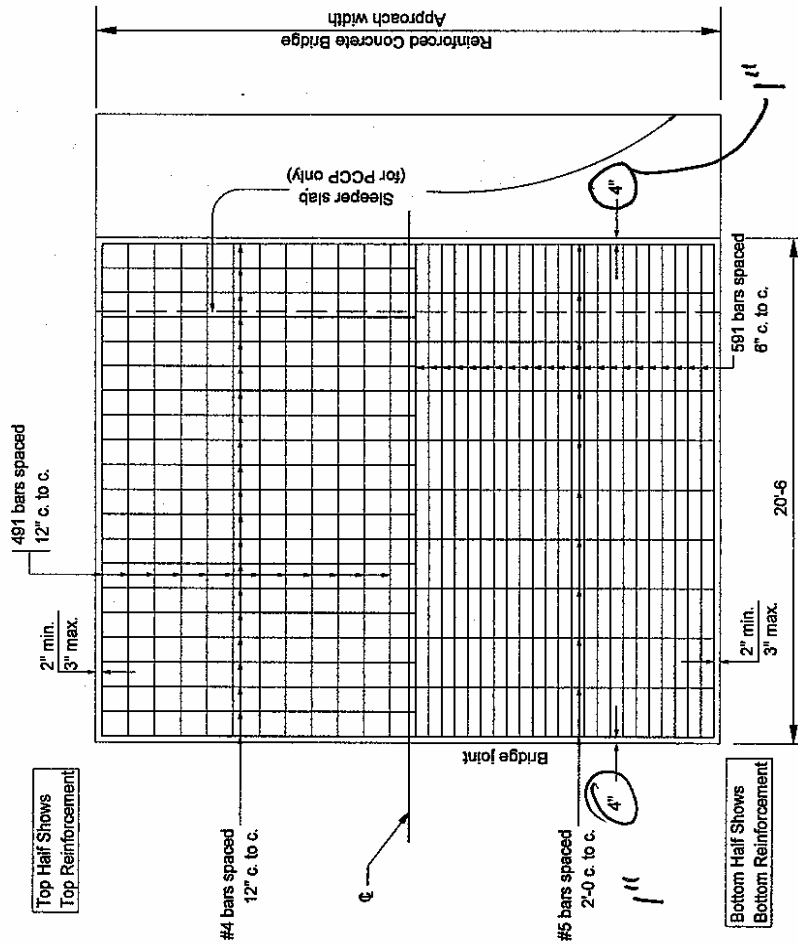
Item No. 7-2
Mr. Cales
Date: 8/18/05

REVISION TO STANDARD DRAWINGS

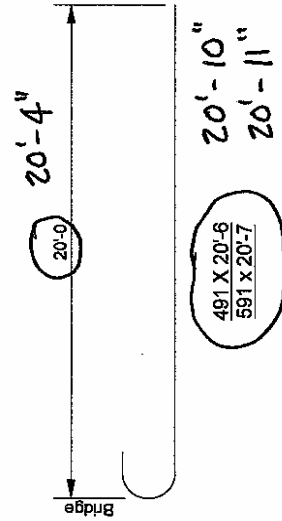
609-RCBA-03 Reinforced Concrete Bridge Approach
609-RCBA-04 Reinforced Concrete Bridge Approach
609-RCBA-07 Reinforced Concrete Bridge Approach Pavement Ledge Detail

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Y___ N___ By - Addition or Revision
None	Frequency Manual Update Required? Y___ N___ By - Addition or Revision
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	See above
Motion: Mr. Second: Mr. Ayes: Nays:	Action: Passed as submitted; revised Effective - _____ Letting _____ Supplementals
	Withdrawn. Resubmit? _____
	Received FHWA Approval? _____

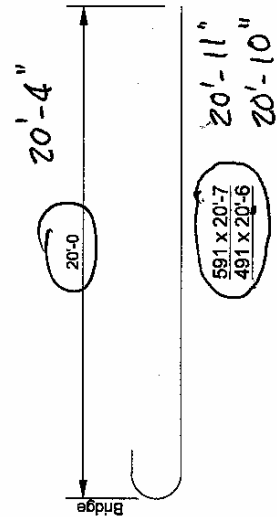
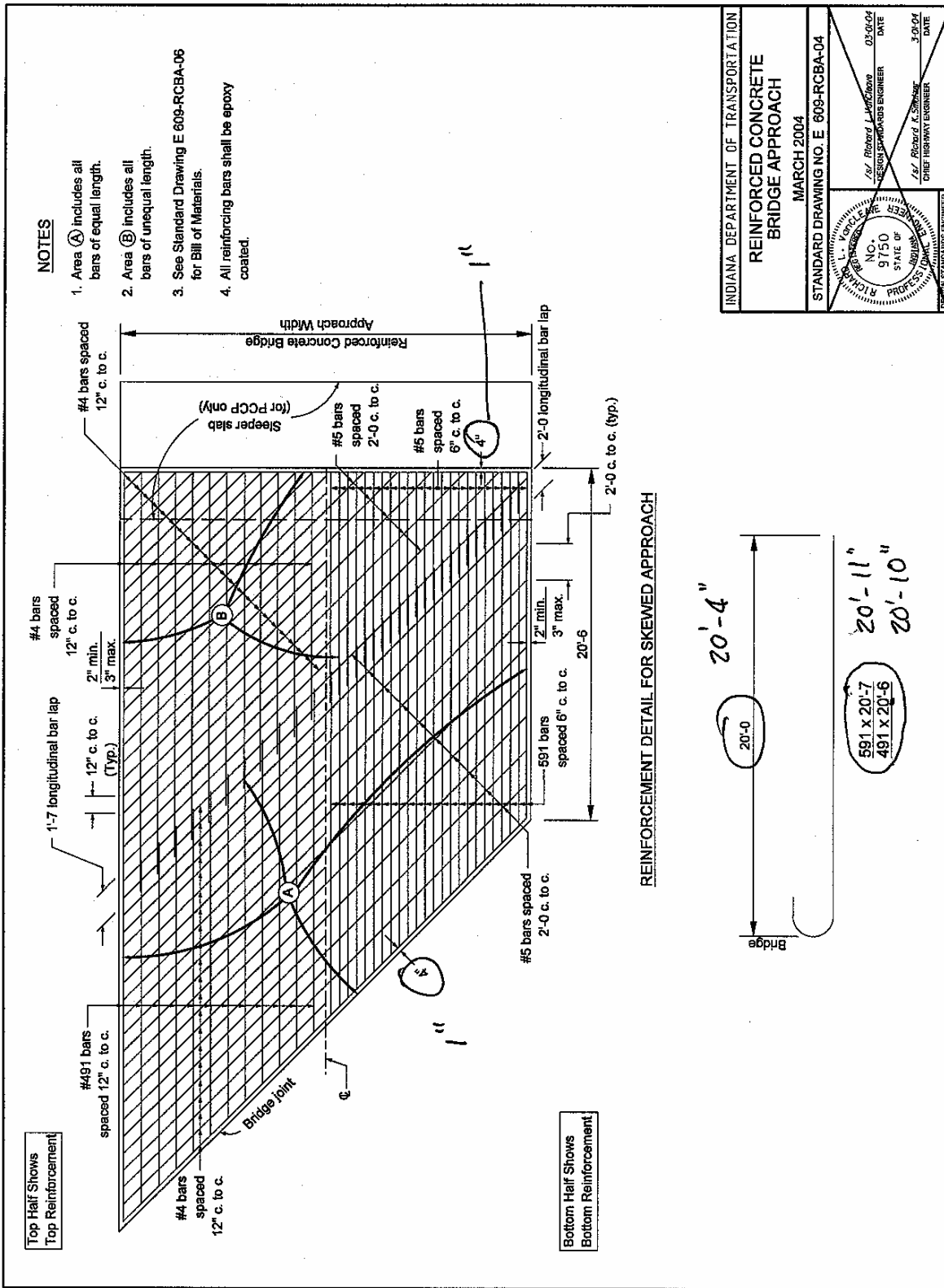
- NOTE**
1. See Standard Drawing E 609-RCBA-05 for Bill of Materials.
 2. All reinforcing bars shall be epoxy coated.



REINFORCEMENT DETAIL FOR SQUARE APPROACH

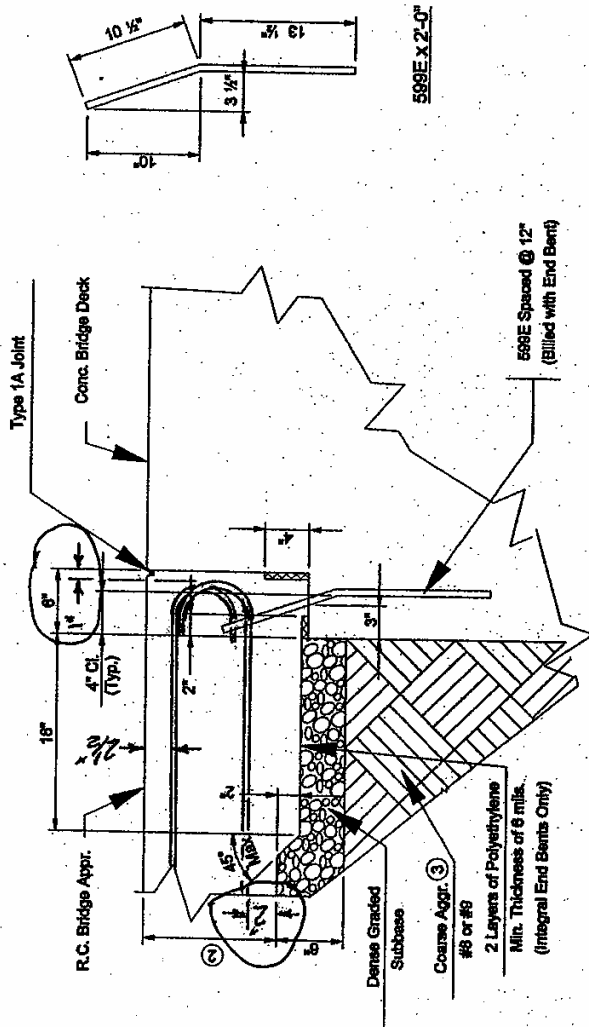


INDIANA DEPARTMENT OF TRANSPORTATION	
REINFORCED CONCRETE BRIDGE APPROACH	
MARCH 2004	
STANDARD DRAWING NO. E 609-RCBA-03	
NO. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER	1st Richard L. Johnson DESIGN STANDARD ENGINEER 5-0-04 DATE
1st Richard L. Johnson CHIEF HIGHWAY ENGINEER 5-0-04 DATE	1st Richard L. Johnson CHIEF HIGHWAY ENGINEER 5-0-04 DATE



REINFORCEMENT DETAIL FOR SKEWED APPROACH

INDIANA DEPARTMENT OF TRANSPORTATION	
REINFORCED CONCRETE BRIDGE APPROACH	
MARCH 2004	
STANDARD DRAWING NO. E 609-RCBA-04	
NO. 91750 STATE OF INDIANA PROFESSIONAL ENGINEER	/s/ Richard L. Lamoreaux DESIGN ENGINEER DATE 03-04-04
NO. 91750 STATE OF INDIANA PROFESSIONAL ENGINEER	/s/ Richard K. Spitzer CHIEF HIGHWAY ENGINEER DATE 3-0-04



PAVEMENT LEDGE DETAIL

NOTES:

1. See Standard Drawing E-609-BRJT-01 for Type 1A joint details.
2. 10\"/>
3. Flowable backfill if slab bridge.

LEGEND

13 mm Expanded Polystyrene

INDIANA DEPARTMENT OF TRANSPORTATION	
REINFORCED CONCRETE BRIDGE	
APPROACH	
PAVEMENT LEDGE DETAIL	
MARCH 2003 2003	
STANDARD DRAWING NO. E-609-RCBA-07	
Richard L. Verchione DESIGN ENGINEER	Richard E. Snyder CHECK ENGINEER

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 610, BEGIN LINE 3, DELETE AS FOLLOWS:

610.01 Description

This work shall consist of constructing or resurfacing ~~from the edge of the mainline pavement to the right-of-way line at~~ public road intersections; turn lanes, passing lanes, acceleration lanes, deceleration lanes, or recovery lanes where the total longitudinal dimension is less than 100 lft (30 m), excluding tapers; mail box approaches; ~~from the edge of the mainline surface to a width of 3 ft (1 m) on~~ private and commercial driveways; and crossovers; ~~all~~ in accordance with 105.03.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Y___ N___ By - Addition or Revision
None	Frequency Manual Update Required? Y___ N___ By - Addition or Revision
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	None
Motion: Mr. Second: Mr. Ayes: Nays:	Action: Passed as submitted; revised Effective - _____ Letting _____ Supplementals Withdrawn. Resubmit? _____ Received FHWA Approval? _____

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 610, BEGIN LINE 37, DELETE AND INSERT AS FOLLOWS:

610.05 Method of Measurement

Compacted aggregate base will be measured by the ton (megagram) in accordance with 109.01(b). HMA mixture for approaches will be measured by the ton (megagram) of the type specified, in accordance with 109.01(b). Dense graded subbase will be measured in accordance with 302.08. PCCP for approaches will be measured ~~in accordance with 502.22~~ *by the square yard (square meter) of the thickness specified.*

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Y___ N___ By - Addition or Revision Frequency Manual Update Required? Y___ N___ By - Addition or Revision
None	
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	None
Motion: Mr. Second: Mr. Ayes: Nays:	Action: Passed as submitted; revised Effective - _____ Letting _____ Supplementals Withdrawn. Resubmit? _____ Received FHWA Approval? _____

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 610, BEGIN LINE 52, DELETE AND INSERT AS FOLLOWS:

610.06 Basis of Payment

The accepted quantities of HMA mixture for approaches will be paid for at the contract unit price per ton (megagram) of the type specified, complete in place. Compacted aggregate base will be paid for in accordance with 301.10. PCCP for approaches will be paid for at the contract unit price per square yard (square meter) *of the depth specified*, complete in place.

HMA patching will be paid for in accordance with 304.07. PCCP patching will be paid for in accordance with 305.07.

Prime coat will be paid for in accordance with 405.10. Tack coat will be paid for in accordance with 406.07. Seal coat will be paid for in accordance with 404.10.

Payment for the 3 ft (1 m) wedge placed on approaches at the same time and in conjunction with the mainline resurface will be made at the same unit price as for the material placed on the mainline.

Payment for the paving or resurfacing of turn lanes, passing lanes, acceleration lanes, deceleration lanes, and recovery lanes greater than 100 ft (30 m), excluding tapers, will be made in accordance with 401.22, 402.20, 501.31, or 502.23 whichever is applicable.

The accepted quantities of HMA material for mailbox approaches will be included with quantities required to construct the shoulder section when the shoulder is to be paved. If the shoulder is not to be paved, the HMA material for mailbox approaches will be paid for as HMA mixture for approaches *of the type specified*.

Payment will be made under:

Pay Item

Pay Unit Symbol

HMA for Approaches Type, ____* TON (Mg)

PCCP for Approaches , ____ SYS (m2)
thickness

* Mixture type in accordance with 402.04.

The cost of excavation, shaping, leveling, forming, compaction, placing, and all necessary incidentals shall be included in the cost of the pay items in this section.

~~The cost of the 3 ft (1 m) wedge placed on approaches at the same time and in conjunction with the mainline HMA intermediate or surface, or if turn lanes, passing lanes, acceleration lanes, deceleration lanes, or recovery lanes are greater than 100 ft (30 m) longitudinally, payment will be made at the same unit price as for the material placed on the mainline.~~

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 610, CONTINUED.

The cost for curbing placed monolithically with the PCCP ~~for~~ on approaches shall be included in the cost of PCCP for approaches.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Y___ N___ By - Addition or Revision
713.09 Pg 700-101	Frequency Manual Update Required? Y___ N___ By - Addition or Revision
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	None
Motion: Mr.	Action: Passed as submitted; revised
Second: Mr.	Effective - _____ Letting
Ayes:	_____ Supplementals
Nays:	Withdrawn. Resubmit? _____
	Received FHWA Approval? _____

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 707, BEGIN LINE 356, DELETE AND INSERT AS FOLLOWS:

Reinforcing steel, elastomeric bearing pads, bearing beams required for box beams, bearing assemblies required for I-beams, *bulb-T beams*, and box beams, bearing plates, expanded polystyrene, threaded *reinforcing bars* ~~dowels~~, threaded inserts in fascia beams, hex bolts, sealer on the outside face of fascia beams and on the tops of all beams, and necessary incidentals shall be included in the cost of this work.

No payment will be made for replacing precast members damaged during handling, storing, transporting or erecting.

The cost of railing shall be included in the cost of this work if such railing is not specified as a pay item.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Y___ N___ By - Addition or Revision
None	Frequency Manual Update Required? Y___ N___ By - Addition or Revision
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
726-B-044	None
Motion: Mr. Second: Mr. Ayes: Nays:	Action: Passed as submitted; revised Effective - _____ Letting _____ Supplementals Withdrawn. Resubmit? _____ Received FHWA Approval? _____

INDIANA DEPARTMENT OF TRANSPORTATION
DESIGN DIVISION
INDIANAPOLIS, INDIANA 46204-2216
INTER-DEPARTMENT COMMUNICATION
July 6, 2005

MEMORANDUM

TO: Thomas Caplinger *TC*
HE S IV

FROM: Michael A. Holowaty *MAH*
John E. Jordan *JEJ*
Anne M. Rearick *ARR*
Niranjan B. Shah *NBS*
Thomas H. Seeman *THS*
John E. Wright *JW*
Design Section Managers

RE: Proposed change to section 707 of the INDOT Standard Specifications

The attached mark-up contains some minor changes to Section 707 of the INDOT Standard Specifications. These changes are being requested so the Spec. Book will be consistent with the newly released structures chapters of the Design Manual.

THS/gjb

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 902, BEGIN LINE 20, DELETE AND INSERT AS FOLLOWS:

1. Lots and Sublots

A binder lot for each grade of PG binder will be one week of HMA production. Lots will be further subdivided into sublots for each twelve hour period when HMA is produced within a calendar day. A lot will contain one to fourteen sublots.

2. Sampling

Each sample shall be taken from the asphalt delivery system at the HMA plant. Each sample will represent a subplot. The Department will randomly select one subplot from each lot in accordance with ITM 802 for either complete or partial testing. If the subplot selected is in compliance, the lot will be accepted. If the subplot is not in compliance, the material will be adjudicated as a failed material in accordance with 105.03.

3. PG Binder Testing

PG binder testing will be performed on completed PG binder lots and will consist of either complete or partial testing. Complete PG binder testing consists of RTFO-DSR and PAV-BBR testing. Complete PG binder testing will be performed on the first subplot of the first lot of production for each grade of material for each supplier, per plant, and then randomly once every ten lots. Partial PG binder testing consists of RTFO-DSR testing on a random subplot of each lot. Lots and/or sublots to be tested will be selected in accordance with Section 3.0 of ITM 802. Random lots designated for complete testing will be selected upon the delivery of the first lot. Rotational viscosity and flashpoint tests are not required for complete or partial testing.

If the test results from the complete or the partial testing are in accordance with the specifications, the entire lot of PG material is considered to be acceptable.

If the test results from a complete test are not in accordance with the specifications, the results will be reported to the DMTE and the Department's Asphalt Engineer. The DMTE will prepare a failed materials report in accordance with 105.03, and the next PG binder lot will be selected for complete testing.

If the test results from the partial test are not in accordance with the specifications, the Department's laboratory will initiate a PAV-BBR test on the same subplot. The test results will be reported to the DMTE and the Department's Asphalt Engineer. The DMTE will prepare a failed material report in accordance with 105.03, and the next PG binder lot will be selected for complete testing.

For any PG binder lot having test results not complying with the specifications, the remaining samples for that lot and all the backup samples will be held for 60 days for possible appeal testing. After 60 days, all samples will be disposed of. PG binder samples and backups for lots meeting specifications will be disposed of promptly.

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 902, CONTINUED.

The Department's Asphalt Engineer will review the supplier's ASC program and the appropriate DMTE will review the Certified HMA Producer's QCP for compliance for all failing complete test results.

1. 4. Appeals

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Y___ N___ By - Addition or Revision Frequency Manual Update Required? Y___ N___ By - Addition or Revision
None	
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	None
Motion: Mr. Second: Mr. Ayes: Nays:	Action: Passed as submitted; revised Effective - _____ Letting _____ Supplementals Withdrawn. Resubmit? _____ Received FHWA Approval? _____