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**ADAM JOHNSON**  
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 (920) 492-4124  
**IA: Aggregate &**  
**Concrete Pavement / Ancillary Concrete**

- Aggregate Sources
- Base Compaction Nuc Density
- Concrete Plant Inspection
- Concrete Mix & Admixtures
- MIT Scan Pavement Thickness
- MRS Information for Concrete Pavement
- QMP Interpretation
- Sampling / Testing (size/frequency/procedure)

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## Pavement Thickness Acceptance

- ▶ SS 415.3.16 Tolerance in Pavement Thickness & CMM 8-70.4.7
- ▶ Pavement thickness acceptance determined by magnetic pulse induction
- ▶ Measurements using MIT Scan T-2
- ▶ Performed by SPAM - Contact Adam Johnson

Standard Spec 415.3.16 Tolerance in Pavement Thickness & CMM 8-70.4.7

Pavement thickness will now be based on department performed magnetic pulse induction acceptance testing.

The pavement measurements will be made with the MIT Scan T-2.

Performed by TSS Materials section, point person will be Adam Johnson



MIT Scan measures the thickness by magnetic pulse induction reflected off of a **department-furnished** test plate.

The contractor will locate the plates at two random locations and install them within each pavement unit.

1. Divide the pavement into basic units 250' long (along the centerline) and one lane wide (from edge of pavement to the adjacent longitudinal joint; from one longitudinal joint to the next; or between pavement edges if there is not longitudinal joint).
2. The plates should not be located within 3 feet of any steel or 4 feet from joint containing steel, over an active loop detector, or where the depth will not be representative (rut in base).



The plates are to be anchored with a 16D common nail or other engineer-approved fastener.

Each plate location is to be given a sequential number and determine the center of each plate to within 2 feet. Paint the location of the plate center on the hardened concrete along with the sequential number at each location.



The contractor must then enter the following in MRS within 5 business days after paving.

Sequential test plate number

Location of the test plate by one of the following methods:

Station offset

Latitude and Longitude

Northing and Easting



Contact Adam Johnson upon the completion of the previous procedures.

Adam or another rep from TSS-Materials will arrive on-site and measure the plate locations.

Measurements will then be entered by department into the MIT system using test report 136



After completion of the project thickness testing, the department shall provide the test results to the contractor within 5 business days.

If the average measurement falls within 80 to 50 percent pay range contact the contractor immediately.



- HMA Nuc Density
- HMA Mix Testing
- Asphaltic Material (PG / Tack)
- Mix Design Changes
- MRS Information for HMA
- HMA Control Charts
- QMP Interpretation
- Sampling / Testing (size/frequency/procedure)



## HMA Combined Bid

- ▶ Construction 2016: Combined Bid **AND** Separate
- ▶ Presentation at: <http://livestream.com/accounts/14475780/events/4561091>  
(start at 1:15 into the presentation)
- ▶ Another Resource: <https://www.wispave.org/Wisconsin-asphalt-bid-mix-specification-tool/>
- ▶ CMM will be updated in March/April with combined bid information.
- ▶ Department will be performing AC burnoff with the QV samples. Results could affect payment.



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HMA Combined Bid is eliminating the need to pay for PG Binders and the E-Mixes separately.

2016 Construction Season will have both the combined bid and separate items for HMA depending on when contract was LET. Make sure when discussing your project with others that you make them aware of how your project is set up.

The presentation is from Bureau of Technical Services and it goes through the reasoning why and how the combined bid item functions. The audio starts at 1:15 – just jump to 1:15 right away!

WAPA also has a link on their website that will help when trying to figure out the nomenclature for the new designation.

CMM will be updated this spring with the combined bid information.

Department will be performing the AC burnoff of the HMA mix with an ignition oven for the QV samples. The results of the test could affect the contractors payment.

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## Construction Staff Picking up Samples

- ▶ PG Binder
  - Use Metal Can in a box (provided by Department)
  - Include Sample Card DT1352 & BOL
  - Sampling Requirement Changed for All Projects:

Tons of Mix	TRUCK TRANSPORT SAMPLE
0 – 1000	No Sample Required
1001 – 15000	1 Truck Transport Sample

Tons of Mix	IN-LINE SAMPLE
0 – 1000	Sample at discretion of Engineer
1001 –	1 Random Sample Per Project



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### Construction Staff Picking up Samples

o PG Binder (AC Samples in Metal Can in a Box)      **\*\*HOT\*\* Be careful** (Place Sample Card DT1352 and BOL in the box)

• **PROJECT STAFF:** Responsible for monitoring the number of samples and dropping them off at the NE Region Drop off room and Log In your Material (Material Drop Off Area – Madison location)

-When picking up a sample talk to the Plant Operator ahead of time to schedule when the tanker truck will be there.

Old Requirement: For material from certified suppliers, one sample per 900 tons of asphalt or fraction thereof for each source and grade per contract. For contracts with less than approximately 25 tons (one truck transport) of asphalt, sampling may be waived. (HMA Combined Bid is part of the reason for this change)

#### New Requirement:

• **Sampling:** For projects greater than 1,000 ton of mix, a truck transport sample at a rate of one-liter (one-quart) sample per 15,000 mix tons for each supplier and grade of asphalt binder, or fraction thereof, per contract. **Additionally, one random sample, by in-line sample**, of the binder is required per project. For contracts with 1,000 ton or less of mix, one (1) random sample of the binder by In-line sample may be required per project, at the discretion of the project engineer.



• **Truck Transport:** Sampling shall be accomplished by taking a one-liter (one-quart) sample of material representing the middle third of the load from a sample valve attached to the transport in accordance with AASHTO Designation R66 section 13 paragraph 13.3.2.

• **In-Line:** Sampling shall be accomplished by taking a one-liter (one-quart) sample of material from an in-line sample port between the storage tank and mixer as described in AASHTO Designation R66 section 8 paragraph 8.2.2.

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## PG Sample Card

Project ID (One project only)		County	Region
2024-03-01(Year/Day) 123456		Franklin	NE
Description			
MIDDLE EAST - GLENVIEW			
Units (For multi-section projects only)		Highway	
		101	
Price Contracting		Subcontractor	
123456789 INC		NORTHEAST	
Appral Material Type and grade			
PG 50 2.5			
Contract Name and Telephone Number			
Project: 123456789 KALAMAZOO BLVD			
Witnessed by (Date representative only)		Date Sampled	
John Doe (123456789)		7-21-25	
Supplier (Include wrapping type)			
Glenview Concrete Co. - Glenview, MI			
Sample Number		Invoice (Or other ID Number)	
12345		123456789	
Notes or Comments			
25.77			
Material			
ADDRESS: DC 200			
*Attach Bin of 123456			


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• PG Sample Card Example

## Construction Staff Picking up Samples

- ▶ Tack
  - Use Plastic Jug (provided by Department)
  - Attach Sample Card DT1499 & BOL to Jug w/ Zip Tie

Gallons of Tack	Sample(s) Required
0 – 2500	No Sample Required
2501 -	1 Sample Per Contract



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• Construction Staff Picking up Samples

o Tack (Must be in a Plastic JUG) (Attach Standard Sample card DT1499 and BOL to jug with a zip tie)

- PROJECT STAFF: Responsible for monitoring the number of samples and dropping them off at the NE Region Drop off room and Log In your Material (Material Drop Off Area – Madison location)

- The Paving Inspector will verify all surfaces are clean to accept a new layer of HMA and will have the proper amount and coverage of tack placed.

- Sampling:
  - 1 per contract when more than 2,500 gallons is used

## QV Mix Samples

- ▶ QV Mix Samples
  - Department will collect in most cases.
  - Tracked by Statewide Mix Design ID.
  - Occasionally may need construction staff assistance.

Tons of Mix	Sample(s) Required
Less than 501	No Sample Required
501 – 5,000	1 Sample
> 5,000	One sample for each additional 5,000 ton-increment.



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### • QV Mix Samples

QV Mixture Samples: I will get most of these samples because they are **tracked state wide by Mix Design** ( I may need your help on occasion depending on my availability I will call you if I need you to pick one up for me)

- Less than 501 tons ..... no tests required
- From 501 to 5,000 tons .....one test
- More than 5,000 tons ..... add one test for each additional 5,000-ton increment

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## HMA Pre-Pave Form

- ▶ Content on Form has Changed
- ▶ Located in Pantry
- ▶ Dated 2/16/2016



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Pre-pave Form – Content Changed not format

- Notify me of paving each day so I can schedule IA on testers, QV sampling, Density Testing.

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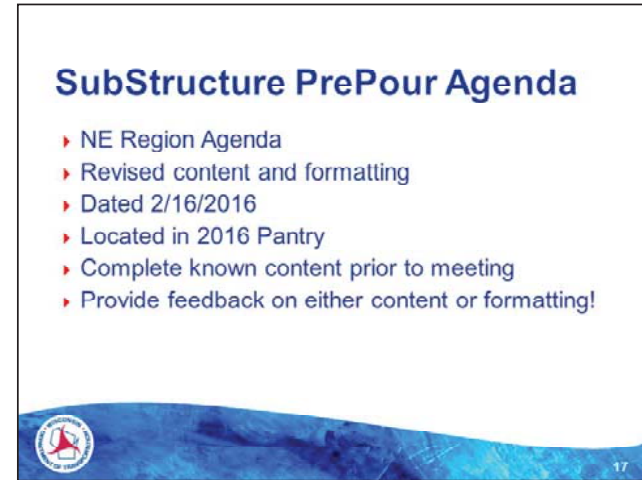


**JASON TUCKER**  
[Jason.Tucker@dot.wi.gov](mailto:Jason.Tucker@dot.wi.gov)  
(920) 360-6197  
**IA: Structures**

- Soil Nuc Density
- MSE Walls
- Concrete Mix & Admixtures
- Precast QV Inspection Reports
- MRS Information for Concrete Structures
- QMP Interpretation
- Sampling / Testing (size/frequency/procedure)

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Soil Nuc Density  
MSE Walls  
Concrete Mix & Admixtures  
Precast QV Inspection Reports  
MRS Information for Concrete Structures  
QMP Interpretation  
Sampling / Testing (size/frequency/procedure)



## SubStructure PrePour Agenda

- ▶ NE Region Agenda
- ▶ Revised content and formatting
- ▶ Dated 2/16/2016
- ▶ Located in 2016 Pantry
- ▶ Complete known content prior to meeting
- ▶ Provide feedback on either content or formatting!

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Agenda for Pre-pour substructure meeting has been revised this year for the region. It is located in Pantry and will be easily identified by it's new formatting and the date of 2/16/16.

These agendas should be filled in prior to the meeting with any known information.

If you have any comments or suggestions for the form content or formatting, please contact either Jason Tucker or Leslie Ashauer.

## Moisture Bias – Density Testing

- ▶ **CMM 8-15.12.2** (Updated December 2015)  
*Establishing a Moisture Density Gauge Bias for Soil*
- ▶ Moisture Bias Needed: For **EVERY** soil or aggregate base at startup of testing or during gauge correlation.
- ▶ Refer to HTCP Nuclear Density Technician I Manual, Topic E.  
[https://www.uwplatt.edu/files/htcp/2016\\_nucdensity\\_manual.pdf](https://www.uwplatt.edu/files/htcp/2016_nucdensity_manual.pdf)



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CMM 8-15 has been updated with information regarding a moisture bias for density testing on aggregates or soils.

Additional information can also be found in the HTCP Nuc Density Technician I manual on the HTCP website.

A moisture bias is needed for EVERY soil or aggregate during startup of testing or during gauge correlation.

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### JAMIE CYNOR

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(920) 492-5677

#### Region Lab Coordinator

- Beam Guard Quality Verification (QV) Testing
- Construction Supplies & Testing Equipment
- Test Status (Region and/or Statewide Bureau)
- Material Testing
- Statewide Bureau Sample Submittal
- Sample Drop-Off Access Cards
- Sample Size Requirements
- Proctor Information



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Beam Guard Quality Verification (QV) Testing  
Construction Supplies & Testing Equipment  
Test Status (Region and/or Statewide Bureau)  
Material Testing  
Statewide Bureau Sample Submittal  
Sample Drop-Off Access Cards  
Sample Size Requirements  
Proctor Information

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## Sample Cards - Concrete

### Concrete

- Admixture Amounts Based on **100 pounds of CEMENT** not by CY. (*batch ticket is by CY*)
  - **LOT & SUBLOT**: Required Fields – please include on card.
  - Concrete Supplier: NEED to know location also.
    - Example: MCC
- MCC has multiple locations – which one? CTH BB / Crivitz Plant 1 / Crivitz Plant 2 / DePere / FDL / New London / Oshkosh



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## Sample Cards - Concrete

CONCRETE CYLINDERS TEST DATA - 28 DAY BREAK			
Manufacturer:	1234-56-78		
Rock Hard Concrete	21-04-QV13.82		
1/2/3456	Rod Cone		
AFA	II	11/0456 - 11.52	
413	St. Mary's Charlevoix		I / B
177	St. Mary's Chicago		C
NO.1	Falcon Air Mix 250		FL. OZ.
NO.2	Euxon WR		FL. OZ.
NO.4			FL. OZ.
Final: Noll P8 - 0-162-0027-2015			
Peter's Chase #5 - 0-225-0081-2015			
15.6	GALCY	73.4	4.0
C&G at STA 112+23			
Peters Green Bay 2154 Slipform			



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Concrete Sample Cards

Admixture Amounts Based on **100 pounds of CEMENT** not by CY. (*batch ticket is by CY*)

**LOT & SUBLOT**: Required Fields – please include on card.

Concrete Supplier: NEED to know location also.

Example: MCC

MCC has multiple locations – which one? CTH BB / Crivitz Plant 1 / Crivitz Plant 2 / DePere / FDL / New London / Oshkosh

## Sample Cards - Aggregate

### ▶ Aggregate

- **Special Testing Requirements?** Note on sample card.
  - Example: Storm Sewer Bedding  
In comments/remarks note. Test according to SPV.xxx.xx or Article X in the specials.
- **Structural Backfill:** Include testing requirements. Typically not in specials – on structure plans in the notes.
- **Quarry / Pit Location:** Define similar to approved list.



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## Sample Cards - Aggregate



Project	1234-56-78 <small>(Include contractor's job number)</small>
Road	5TH 26 Waupun - Rosendale
Contractor	West Coast Paving

Material	Structural Backfill	
Manufacturer	Michels - Ben Carne	
Vendor	Michels (test supplier)	No. Pcs. 2 bags
Sampled By	Ben Dozer <small>(Full Name)</small>	Date 1/2/3456
Test Desired	GV 1st day placement <small>(Specimen)</small>	
Remarks/Contact Info	Test according to gradation of Granular Backfill Grade 1.	



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### Aggregate Sample Cards

Some refreshers on what needs to be included:

1. **Special Testing Requirements?** Note on sample card.
  - Example: Storm Sewer Bedding  
In comments/remarks note: Test according to SPV.xxx.xx or Article X in the specials.
2. **Structural Backfill:** include testing requirements. Typically not in specials – on structure plans in the notes. Testing staff does not have the plan in the lab.
3. **Quarry and Pit Locations:** Michels has many locations. Please designate which location and a shelf if applicable.

## Miscellaneous Reminders

- ▶ Samples Delivered to Region:
  - Requirements for getting results to contractor start the day the sample is taken.
- ▶ Sample Drop Off Area in NER
  - Make sure sample is located by the appropriate area.
  - TWO area designations:
    1. Northeast Region Testing Lab
    2. Madison Testing Lab
- ▶ Madison Truck Schedule

<http://dotnet/matmgt/docs/2016-dbm-distribution-delivery-schedule.pdf>



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Miscellaneous Reminders:

Samples Delivered to Region:

Requirements for getting results to contractor start the day the sample is taken.

Sample Drop Off Area in NER

Make sure sample is located by the appropriate area. In summer samples get overlooked because there are source samples going to Madison.

TWO area designations:

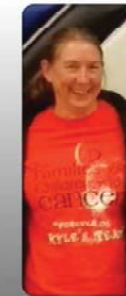
1. Northeast Region Testing Lab
2. Madison Testing Lab

Madison Truck Schedule

<http://dotnet/matmgt/docs/2016-dbm-distribution-delivery-schedule.pdf>

Note that the truck comes usually every 2 weeks on a Tuesday.

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**KIM HEISE**

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(920) 362-6360

**Soils, Pavements & Materials Assistant**

- In-Field Material Review Coordination
- ASTM / AASHTO Requests
- IRI Contact
- MRS information for IRI Ride



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In-Field Material Review Coordination

ASTM / AASHTO Requests

IRI Contact

MRS information for IRI Ride

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## In-Field Material Reviews

- ▶ Send reminder emails for In-Field Material Reviews
- ▶ Track the project progress and ensure reviews are being completed.
- ▶ Each project should have 2 reviews.
  - First Review: Ensure you are on the right track with documenting materials.
  - Second Review: More through, answer questions that arise and confirm documentation is on right track for final submittal.



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### In-Field Material Reviews

Send reminder emails for In-Field Material Reviews

Track the project progress and ensure reviews are being completed.

Each project should have 2 reviews.

First Review: Ensure you are on the right track with documenting materials.

Second Review: More through, answer questions that arise and confirm documentation is on right track for final submittal.

## IRI Ride

- ▶ Added to 2016 Spec Book
- ▶ SS 440
  - Incentive IRI Ride
  - Incentive IRI Bridge
- ▶ Notify Kim when contractor will be on site to perform ride.



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### IRI Ride:

Added to 2016 Spec Book


SS 440

Incentive IRI Ride

Incentive IRI Bridge


Notify Kim when contractor will be on site to perform ride.





**LESLIE ASHAUER**  
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 (920) 492-4133  
**Material Engineer**

- Material Credits
- Non-Performance of QMP
- Procedural Concerns
- Spec / CMM / SDD / E-Guide Inconsistencies
- Material Finals
- Atwood Systems / MIT / MRS / MTS
- Approved Products List




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- Material Credits
- Non-Performance of QMP
- Procedural Concerns
- Spec / CMM / SDD / E-Guide Inconsistencies
- Material Finals
- Atwood Systems / MIT / MRS / MTS
- Approved Products List

## E-Guide

- ▶ All E-Guides located at: *(group items at bottom)*  
[www.atwoodsystems.com/biditems](http://www.atwoodsystems.com/biditems)
- ▶ Major updates 2 x per year: June / December
- ▶ E-Guide is a **GUIDE – NOT CONTRACTUAL**



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- All E-Guides located at: *(group items at bottom)*  
[www.atwoodsystems.com/biditems](http://www.atwoodsystems.com/biditems)
- Major updates 2 x per year: June / December
- E-Guide is a **GUIDE – NOT CONTRACTUAL**, still need to look at spec and CMM.
- Let Leslie know if an e-guide is way out of date and will submit it to committee for revision.

## DT1310

- ▶ **ANY** non-conforming material
- ▶ If someone approved, still document **IF** not contractually changed.
  - Example: Dowel Bar adhesive – Redhead Epcon A-7 (epoxy vs acrylic)
- ▶ Document action taken (or not taken).
- ▶ If stating a name, give title or section of the person or just state position.
  - Example: Leslie Ashauer, NER Material Engineer **OR** NER Material Engineer



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### DT1310

**ANY** non-conforming material

If someone approved, still document **IF** not contractually changed.

Example: Dowel Bar adhesive – Redhead Epcon A-7 (epoxy vs acrylic)

Jim Parry approved in an email, but it does not meet contract requirements of being an epoxy.

Document action taken (or not taken). State why the action was taken. Give Spec/CMM/Special section that backs up action.

When mentioning a person, give the title or section of the person. (Or just mention the position)

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## CMM – contractual or not?

Materials sampling and testing methods and documentation procedures prescribed in chapter 8 of the CMM are mobilized into the contract by specified spec. 100-3-1-1 and inserted spec. 100-3-1-1-1.

- ▶ **ONLY** the following are contractual:
  - Sampling and Testing Methods
  - Documentation Procedures
- ▶ SS 101.2 (2)
  - (2) Unless specified by year or date, cited publications refer to the most recent issue, including interim publications, in effect on the bid closing date.
- ▶ Save a copy of CMM Chapter 8



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### CMM – Contractual or Not?

**ONLY** the following are contractual:

Sampling and Testing Methods

Documentation Procedures

SS 101.2 (2)

(2) Unless specified by year or date, cited publications refer to the most recent issue, including interim publications, in effect on the bid closing date.

Save a copy of CMM Chapter 8 – many of the testing requirements and procedures are scattered throughout Chapter 8.

Also comes into play when taking credits (Chapter 8-10) contractors are aware of the advised credit amounts per the CMM. Please refer to the accurate CMM section. If you need a copy of the old version, contact Leslie Ashauer.

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# Buy America


▶ Memo from FHWA (dated 12-21-2012)

This, in order for a manufactured product to be considered subject to Buy America, must be manufactured predominantly of steel or iron. The FHWA deems a product to be manufactured predominantly of steel or iron if the product consists of less than 5% steel or iron content when it is delivered to the job site for installation. For purposes of applying Buy America and determining whether a product is steel or iron manufactured in the U.S., the job site includes the sites where any precast concrete products are manufactured.

Examples of products that are subject to Buy America coverage include, but are not limited to, the following:

- steel or iron products with cast-in-place concrete, bridges, tunnels or other structures, which include, but are not limited to, the following: fabricated structural steel, reinforcing steel, piling, high strength bolts, anchor bolts, dowel bars, permanently incorporated steel piling, bridge girders, cable anchorage, permanent post-tensioning wire, manhole/machinery frames, and other equipment for movable structures;
- guardrail, guardrail posts and sections, sound walls, saddle guardrail;
- steel fencing material, fence posts;
- steel or iron pipe, conduit, grates, manhole covers, pipes;
- steel signs, posts, standards, trusses, or supporting structural members for signs, laminated traffic control systems; and
- steel or iron components of precast concrete products, such as reinforcing steel, anchors and post-tensioning or post-tensioning strands or cables.

The non-ferrous steel or iron components, subcomponents and hardware necessary to assemble and construct the above components for manufactured products that are not predominantly steel or iron are not subject to Buy America coverage. Examples include, but are not limited to, castings, covers, inserts, slugs, fittings, sleeves, washers, bolts, nuts, screws, for nuts, spacers, chisels, lifting blocks, fasteners, door hinges, etc.




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Buy America

FHWA Memo from 12-21-2012 – Null and Void

Need Buy America for ALL steel starting with 2016 construction season.


Makes life a bit more complicated in paperwork world.



*It's not that difficult to tell alligators and crocodiles apart*

*One will see you later, the other will see you in a while.*

Any Questions?



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Construction Resources Mgt  
Gladstone PAD Asphalt Terminal  
202 Delta Avenue  
Gladstone MI 49837

*Review received 4/5-05-2015 Doc ID: 455.0105.03*  
*P. KAWER 7/2/15*

BILL OF LADING #: 40803 4003 0003144  
LOADING TICKET #: 40803 4003 0003144

DATE: 07/21/15 14:23 ORIGINAL  
SIGNEE: Payne and Dolan, Inc.  
CUSTOMER: 25074 TRADING POST C25074 NEA 2015

TRUCK NO: 11609  
TRAILER NO: 11617  
CARRIER: 116958  
DRIVER: OLD RELIABLE TRANSPORT INC

SALES ORDER: 925074 TRADING POST

DOT Control Section Job Number

PRODUCT PG 58-28

CONTAINER	HM	ID#	PROPER SHIPPING DESCRIPTION	HAZARD CLASS	PACKING GROUP	WEIGHT		
						POUNDS	KILOGRAMS	TONS
TANK TRUCK	X	UN 3257	ELEVATED TEMPERATURE LIQUID N.O.S. (ASPHALT)	9	III	GROSS: 79,560	36,087.81	39.78
						TARE: 28,020	12,709.66	14.01
						NET: 51,540	23,378.15	25.77

TANK TRUCK TONS GALLONS LBS/GAL  
EMERGENCY SPILL RESPONSE: VEOLIA 1-800-688-4005 25.77 5,977.04 8.6230 @60 DEGREES F

**Conditions of Carriage**  
**'Buckle Up For Safety'**  
I hereby acknowledge receipt from Shipper, as the point of origin named herein, of the property described herein, in good order. Carrier agrees to transport said property, by Shipper's intended mode of transportation as mutually determined by Carrier and Shipper, to the destination indicated herein. Carrier agrees to deliver the property in the same good order and in the same quantity to the Consignee named herein.

Carrier agrees that said transportation and delivery, and any incidental or other services performed by Carrier hereunder, shall be governed by the terms and conditions of the Uniform Straight Bill of Lading, as contained in the National Motor Freight Classification Tariff, ICC-NMF-100-G or reissues thereof.

Agreements of Carrier hereunder are made by Carrier on its own behalf and on behalf of any intermediate carrier to whom Carrier may surrender possession of the property for transshipment beyond Carrier's authorized route or routes or to whom Carrier may subcontract any of its obligations hereunder. Any such transshipment and subcontracting shall be with Shipper's advance knowledge and consent.

The foregoing shall not apply to any receipt into a motor vehicle owned by a buyer taking title to the property f.o.b. Shipper's point of origin. In any such situation, this form shall merely constitute a delivery receipt.

**Important - Do not unload truck until sample of contents has been checked with stock specified on this order. Check all valves and lines so that correct ones will be used.**

Delivered by: *Larry Royer* Driver Receiving: *Terence R...* Received at Destination By: *Bruce ...*

I am to certify that the herein named materials are properly classified, described, packaged, marked, and sealed and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Construction Resources Management certifies that the asphalt binder, as transported to the Contractors plant, conforms to the MDOT specifications.



## HMA PREPAVE MEETING



### Project Information

I.D. Number: \_\_\_\_\_ Paving Contractor: \_\_\_\_\_ Project Engineer: \_\_\_\_\_  
Roadway Name: \_\_\_\_\_ Paving Foreman: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_  
Termini: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_ HMA Mix Designs: \_\_\_\_\_  
Highway Name: \_\_\_\_\_ Plant Name: \_\_\_\_\_  
County Name: Choose County Phone #: ( ) \_\_\_\_\_ PG Source: \_\_\_\_\_

### Meeting Checklist

- Contractor Plant Calibrated
- Reviewed Special Provisions
- Q.C. Lab & Equipment Calibrated
- Mix Designs Verified
- PG Source on Approved List
- QC Personnel Certified

**\*\*NOTIFY THE DEPARTMENT DAILY OF PAVING OPERATIONS\*\***

Contact Info: Brian Jandrin (920) 360-2200 or brian.jandrin@dot.wi.gov

### Required Information

#### Paving Sequence:

- The Contractor will commence paving on: [Click here to enter a date.](#)
- How many days per week does the Contractor intend to work?
- The Contractor proposes to work the following hours:
- Where will paving start?
- What paving sequence will the Contractor follow?
- Has the Pavement Surface Been Approved for Paving?  Yes  No By: \_\_\_\_\_
- Tack Coat:  Yes  No Material type: \_\_\_\_\_ Application Rate: \_\_\_\_\_  
\*\*Comment: The Paving Inspector will verify all surfaces are clean to accept a new layer of HMA and will have the proper amount and coverage of tack placed.
- Traffic Control & Method of Handling Traffic Approved:  Yes  No By: \_\_\_\_\_

#### Testing and Sampling according to Standard Specification and Special Provisions:

- QC Mix Testing By: \_\_\_\_\_ Company: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_  
\*Submit copies of the running average calculation sheets for blended aggregate, mixture properties, and asphalt content along with mixture adjustment records to the engineer each day and Brian Jandrin.
- QV Mix Testing By: \_\_\_\_\_ Company: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_
- PG Binder Sampling By: \_\_\_\_\_ Company: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_  
**Sampling:**  
For projects greater than 1,000 ton of mix, a truck transport sample at a rate of one-liter (one-quart) sample per 15,000 mix tons for each supplier and grade of asphalt binder, or fraction thereof, per contract. Additionally, one random sample, by in-line sample, of the binder is required per project. For contracts with 1,000 ton or less of mix, one (1) random sample of the binder by in-line sample may be required per project, at the discretion of the project engineer.  
**Truck Transport:**  
Sampling shall be accomplished by taking a one-liter (one-quart) sample of material representing the middle third of the load from a sample valve attached to the transport in accordance with AASHTO Designation R66 section 13 paragraph 13.3.2.  
**In-Line:** Sampling shall be accomplished by taking a one-liter (one-quart) sample of material from an in-line sample port between the storage tank and mixer as described in AASHTO Designation R66 section 8 paragraph 8.2.2.

4. QC Nuclear Density Testing By: \_\_\_\_\_ Company: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_  
 Have the test locations been submitted?  Yes  No \*Density lot determination: either WisDOT 460.3.3.2 or project specials
5. QV Nuclear Density Testing By: \_\_\_\_\_ Company: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_
6. Asphaltic Material Quantities computed by ignition oven. By:
7. Other project specific "Special Provisions":

**Points to be Emphasized**

- If the QC mix results enter the warning bands or are out of the allowable limits notify the Project Leader & Brian Jandrin that day.
- All QC/QV mix comparisons are to be reported on the Material 155 Report Form. All entries that exceed the allowable limits must have the resolution noted on the same Material 155 Report Form used to report the discrepancy.  
 OTHER ITEMS TO BE NOTED on Material 155: JMF changes, Asphaltic Material content changes and other changes which may affect the mix properties.
- Part of the requirements of the Paving Inspector is to observe and document QC testing procedures and equipment.
- Submit CA test results within 2 business days after receiving the samples.
- Submit testing records and control charts to the Project Leader, within 10 days of completing HMA paving.
- For minor quantities of HMA (less than 500 tons), to what degree will the QMP be applied?
- HMA testing frequency is based on planned daily plant production. If production is other than planned, conform to CMM8.36.

**DOT Technical Service Phone Listing**

Northeast Region Office	FAX	(920) 492-5640	Region Lab FAX Number (920) 492-7731
Becky Rooyakkers	Office	(920) 492-2394	Technical Services Supervisor
Anthony Allard	Office	(920) 492-3510	Region Pavement Engineer
Leslie Ashauer	Office Mobile	(920) 492-4133 (920) 362-1502	Region Material Engineer
Adam Johnson	Office Mobile	(920) 492-4124 (920) 366-8096	Region Concrete & Aggregate QMP/IAP Region Commercial Plant IAP
Brian Jandrin	Office Mobile	(920) 492-5626 (920) 360-2200	Region HMA QMP/IAP Region Density QV/IAP
Jason Tucker	Office Mobile	(920) 492-4121 (920) 360-6197	Region Structure, MSE Wall & Density QMP/IAP
Jamie Cynor	Office Mobile	(920) 492-5677 (920) 366-8085	Region Materials Lab Coordinator
Kim Heise	Office Mobile	(920) 492-5985 (920) 362-6360	Soil, Pavement, Material Assistant

NER 02/16/2016



**NER Concrete Substructure Prepave Meeting**



Click here to enter a date.

**PROJECT INFO**

Project ID \_\_\_\_\_ Structure ID(s) \_\_\_\_\_

Contract ID \_\_\_\_\_

Highway \_\_\_\_\_

Description \_\_\_\_\_

County \_\_\_\_\_

**INTRODUCTIONS / POUR DAY CONTACTS**

Name	Phone	Attended Meeting
Project Leader		<input type="checkbox"/>
Lead Inspector		<input type="checkbox"/>
Contractor		<input type="checkbox"/>
QC Testing		<input type="checkbox"/>
Concrete Supplier		<input type="checkbox"/>
WisDOT Materials		<input type="checkbox"/>
Contractor Materials		<input type="checkbox"/>
Independent Assurance		<input type="checkbox"/>
Additional Meeting Attendees		

**STRUCTURE DETAILS**

Structure ID	Location (including over/under)	Description

**QMP PLAN**

- Submitted [Click here to enter a date.](#)
- Reviewed [Click here to enter a date.](#)
- Accepted [Click here to enter a date.](#)
- PCL Signed WS5014 to Contractor [Click here to enter a date.](#)
- Accepted QMP Plan Distributed to  QC Tester  
 QV Tester

### CONCRETE MIXTURES

Plant Location	Special Considerations	Yes	No
Mix IDs/type	Seal pour	<input type="checkbox"/>	<input type="checkbox"/>
Number of trucks /rate of delivery	HPC	<input type="checkbox"/>	<input type="checkbox"/>
	Modified HPC	<input type="checkbox"/>	<input type="checkbox"/>
	Other (list)	<input type="checkbox"/>	<input type="checkbox"/>

REMINDER: Batch tickets required with each load. (SS 501.3.5.4(2))

### CONSTRUCTION SCHEDULE

Start date [Click here to enter a date.](#)

Estimated Completion [Click here to enter a date.](#)  
for substructure work

### TEMPERATURE CONTROL PLAN

#### HOT WEATHER CONCRETING (SS 501.3.8.2)

Temp Control Plan	Actions to Control Concrete Temperature	Yes	No	Remarks
Submitted <a href="#">Click here to enter a date.</a>	Cool Aggregate	<input type="checkbox"/>	<input type="checkbox"/>	
Accepted <a href="#">Click here to enter a date.</a>	Cold Batch Water	<input type="checkbox"/>	<input type="checkbox"/>	
	Pour Time	<input type="checkbox"/>	<input type="checkbox"/>	
	Others (list)	<input type="checkbox"/>	<input type="checkbox"/>	

If ICE is to be added, ALL OTHER METHODS MUST BE USED FIRST.

Timeframe for Ordering and Adding Ice

Ice Compensation Expectations [Per Section 501.3.8.2.1(1)]

#### COLD WEATHER PROTECTION (SS 502.3.9)

	Yes	No	Remarks
Heat Forms	<input type="checkbox"/>	<input type="checkbox"/>	
Heat Batch Water	<input type="checkbox"/>	<input type="checkbox"/>	
Heat Aggregate	<input type="checkbox"/>	<input type="checkbox"/>	
Temp Probe Frequency	<input type="checkbox"/>	<input type="checkbox"/>	
Others (list)	<input type="checkbox"/>	<input type="checkbox"/>	

### CURING PROCESS

Cure Type/Brand

Strength Verification  Maturity  Cylinders  Time  Other (list)

Curing needs and timelines to be followed when stripping forms:

- o SS 502.3.8.2.1(2) General Curing Requirement
- o SS 502.3.9.5 (1): Cessation of Heating or Cold Weather Protection

### PLACEMENT

Truck Access

Placement Method  Bucket  Pump  Bucket & Pump  Other (list)

Truck Washout

### SAMPLING AND TESTING

Testing Location

Cylinder Storage Location

Tester Access

REMINDER: Sampling must be at the point of placement and between 10% and 90% of the load.

### COMMUNICATION REMINDERS

#### Test results

- Delivery method
- Frequency
- o Random Numbers computed on amount placed
  - o QC Plan actions to be followed for failing tests
  - o **QV & QC are required to inform each other of failing results immediately**
  - o Nonconforming material to be discarded
  - o Nonconforming material left in place to be quantified and agreed to with the engineer

### INSPECTION REMINDERS

- o Surveyed by contractor and checked separately by inspectors
- o Bar steel checked for size, spacing, tying, clearances, and cleanliness
- o Forms checked and found clean, oiled, and locked
- o Bracing checked & secured
- o 24-hr contact for curing issues

Name

Phone

### OTHER ISSUES OR CONCERNS





# Memorandum

Subject: **ACTION:** Clarification of  
Manufactured Products under Buy  
America

Date: DEC 21 2012

From: Mr. John R. Baxter  
Associate Administrator for  
Infrastructure

In Reply Refer To:  
HIPA-30

To: Division Administrators  
Directors of Field Services

This memo clarifies the Federal Highway Administration's (FHWA) position regarding application of Buy America requirements to manufactured products. Our current Buy America policy is based upon the statutory provisions in the Surface Transportation Assistance Act of 1982, as implemented with a November 25, 1983, final rule.

In the preamble to the [1983 final rule](#) (48 FR 53099), after soliciting and considering public comments, the FHWA found that it was in the public interest to waive application of Buy America to manufactured products other than steel and iron manufactured products. As the Federal-aid Highway Program evolved and technology improved, the FHWA clarified the applicability of the standing waiver for manufactured products in a [December 12, 1997 memo](#). In this 1997 memo, the FHWA clarified that, while Buy America does not apply to manufactured products, Buy America does apply to components of "predominately steel products."

With enactment of the American Recovery and Reinvestment Act (ARRA), the FHWA formed National Review Teams (NRT) (now known as Project Management Improvement Teams) to conduct reviews and make recommendations on how to improve the delivery of ARRA funded projects. One NRT review recommended that a State's Buy America certification be clarified to ensure that all covered steel and iron meets FHWA Buy America requirements. In working to address this finding, questions have arisen regarding the scope of the application of the 1983 public interest waiver for manufactured products. For example, it has been suggested that nuts, bolts, washers, and other miscellaneous steel or iron parts used in common off-the-shelf products such as toilets and the filaments in light bulbs must be Buy America compliant. Given these questions, the FHWA is concerned that such a reading of Buy America is inconsistent with the previous 1983 waiver decision and is not cost-effective to administer. Accordingly, it has become necessary to clarify the applicability of the waiver for manufactured products.

The FHWA continues to support the Buy America waiver for manufactured products in the 1983 final rule, as clarified by the 1997 memo. In particular, the waiver was intended to apply to all manufactured products except for steel and iron manufactured products. For example, the 1983 rule specified that traffic controllers are covered by the waiver since these products have many different components that are difficult to trace. Over time, however, some States have subjected signal heads and other traffic control equipment to Buy America and have sought project specific waivers. In reexamining the extent of the 1983 waiver in light of the NRT finding, we believe that the scope of the waiver was intended to encompass miscellaneous steel or iron components and subcomponents that are commonly available as off-the-shelf products such as faucets, door hardware, and light bulbs.

Thus, in order for a manufactured product to be considered subject to Buy America, the product must be manufactured predominantly of steel or iron. The FHWA deems a product to be manufactured predominantly of steel or iron if the product consists of at least 90% steel or iron content when it is delivered to the job site for installation. For purposes of applying Buy America and determining whether a product is a steel or iron manufactured product, the job site includes the sites where any precast concrete products are manufactured.

Examples of products that are subject to Buy America coverage include, but are not limited to, the following:

- steel or iron products used in pavements, bridges, tunnels or other structures, which include, but are not limited to, the following: fabricated structural steel, reinforcing steel, piling, high strength bolts, anchor bolts, dowel bars, permanently incorporated sheet piling, bridge bearings, cable wire/strand, prestressing / post-tensioning wire, motor/machinery brakes and other equipment for moveable structures;
- guardrail, guardrail posts, end sections, terminals, cable guardrail;
- steel fencing material, fence posts;
- steel or iron pipe, conduit, grates, manhole covers, risers;
- mast arms, poles, standards, trusses, or supporting structural members for signs, luminaires, or traffic control systems; and
- steel or iron components of precast concrete products, such as reinforcing steel, wire mesh and pre-stressing or post-tensioning strands or cables.

The miscellaneous steel or iron components, subcomponents and hardware necessary to encase, assemble and construct the above components (or manufactured products that are not predominantly steel or iron) are not subject to Buy America coverage. Examples include, but are not limited to, cabinets, covers, shelves, clamps, fittings, sleeves, washers, bolts, nuts, screws, tie wire, spacers, chairs, lifting hooks, faucets, door hinges, etc.

If you have any questions, please contact either Mr. Gerald Yakowenko at 202-366-1562 or Mr. Edwin Okonkwo at 202-366-1558.