

BTS Updates

IA Conference
December 10, 2014



Staffing

▶ Additions

- Matt Andreini – Soils (Summer 2014)
- Zelalem Arega – Lab Coordinator (January 2015)

▶ Losses

- Tom Brokaw (November 2014)
- Bob Downing (to SW Region – Spring 2014)
- Dick Tracy (Retire January 2015)

▶ Vacant

- HMA Engineer



HMA Tech Team & Green Team Updates

- ▶ Pilot Projects (Statewide)
 - High Recycle Pilots
 - 2 in 2014, 1 in 2015
 - Thin Overlays
 - 1 in 2014, 2015 Pending
 - Base Course Compaction
 - On new construction projects
 - Cold In Place Recycling (CIR)
 - 1 pilot in 2014, 4 in 2015/16



HMA Specification Updates

- ▶ Combined Bid Item
 - Work in progress for 2016 to combine asphaltic material and HMA mix items
 - Will include the new MSCR binder testing in the system
 - Will require extraction & verification of asphalt content
 - BTS will work with regions on Ignition Oven procurement in the coming year



VMA Change

- ▶ VMA increased of 0.5% in E3 12.5mm mixes in 2014
 - Resulted in Asphalt Content increase of 0.1% in 2014 over 2013 and 0.2% over 2011 rates with VMA floor
 - Based on statewide average of all mixes placed
- ▶ VMA increase of 0.5% in E0.3 12.5mm mixes in 2015



PG Binder

- ▶ PG XX-22 eliminated as an item in the December lets
- ▶ FDM Update made
- ▶ See Dick's presentation on LTPP as to why
- ▶ Low temperature grades of -28 and -34 going forward



Tack Coat

- ▶ Increased application rate from 0.025 to 0.05-0.07 gal/sy
- ▶ Further refinements in the coming year
 - Better definition on application rates by pavement type
 - Method for measuring residual
- ▶ CMM, SS & FDM Updates made
- ▶ Sampling remains the same for now (1 per project over 2500 gallons)



Aggregates

- ▶ Department is moving towards annual source testing
 - This year, increasing testing to 100% of samples submitted to BTS
 - Looking to update aggregate testing protocols moving forward – annual basis for pavements (HMA & Concrete)
 - Working on developing consultant support contracts
 - Need to discuss this with industry



CMM 8-15 Rewrite

- ▶ Updated to model current procedures
- ▶ Reference DHS and FHWA Codes
- ▶ Updated Wis Rapids Block Procedure & Locations
- ▶ Gauge dispute procedures
- ▶ Includes Test Strips for SMA & Asphalt Base
 - Mobilized into the contract in SS 460
- ▶ Linear Method of Lot Determination – Primary Method
 - Updated in SS 460 as well



Cold Weather Paving

- ▶ Spec updated to include dates
 - October 15 N of STH 29
 - November 1 S of STH 29
- ▶ Need cold weather plan
- ▶ Estimate # of tons of mix going down in cold weather
- ▶ Bid item for cold weather additive (WMA)
- ▶ Further guidance to be developed



Longitudinal Joints

- ▶ Submit data from this year to me or Signe Reichelt
- ▶ Will be analyzed to develop a density spec
- ▶ THANK YOU for your help
- ▶ Stay tuned in 2015 for details & pilot specs



Granular/Aggregate Spec Updates

- ▶ Group working on granular backfill & aggregate spec updates
 - When a certified source is needed
 - When to allow the use of certain recycled products
 - Gradation, procedural and other updates
 - Stay tuned for updates



QMP Base Agg Small Quantities

- ▶ No update on small quantities for QMP Base testing ☹️



Coming in 2015 & 2016

- ▶ New HMA Nomenclature for Combined Bid Item
- ▶ Permanent Tack Coat Revisions
- ▶ Development of CMM 8-15 into Ch 7 of Standard Specs
- ▶ Base Aggregate & Granular Spec Upgrades
- ▶ Revisions to recycle specs
- ▶ Review of testing intervals
- ▶ Further work with Atwoods for updates
- ▶ And More

