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 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