

MGPEC Task Force
Subgrade Preparation
Status Meeting-Minutes

October 25, 2011 1:00 pm to 3:00 pm
CDOT North Holly Facility, 4670 Holly Street, Denver, CO 80216

- 1) **In attendance:** Scott Dunn (Tencate), Jamie Johnson (PCA), Joe LaHeist (Arapahoe County), Tom Pieters (City of Aurora), Ron Whiteman (Bowman), Derek Garben (ARS), Jim Noll (Kumar), Dave Potter (City of Denver).
- 2) **Confirm next meeting location, date and time. 4670 North Holly. December 13, 2011 @ 4670 North Holly St; Denver, CO 80216. 1pm-3pm.**
- 3) Specifications
 - a) 5.1-Chemically Stabilized Subgrade
 - i. Discussion of “Dry Application-Quick Lime.” Should this be allowed? Mixing and Hydration are essential and should be included in specification if this is added.
 - ii. 5.1.1.2: Full Depth Reclamation. More detail needs to be written for this specification. Derek Garben will bring the CDOT specification for the next meeting to review and compare on Full Depth Reclamation. Jamie Johnson will bring the PCC specification for comparison.
 - iii. Leave in Sulfur content < 5%.
 - iv. 5.1.2.1: Add weight ratio for percentages.
 - v. 5.1.2.3: Need a good definition for Full Depth Reclamation.
 - vi. 5.1.5: Lime (Table 5.1.5) Minimum pH bumped (from 12.0 to 12.4)? Need to review and determine if this is needed.
 - vii. 5.1.6.1: Application-ambient temperature versus subgrade temperature. No consensus on what should be used.
 - viii. 5.1.6.1.3: Discussion of “Double-Treatment” of Lime. It was determined to leave the note as is.
 - ix. 5.1.6.2: Mixing-Discussion of mixing and if this should be changed or original should be kept.
 - x. 5.1.6.3: Mellowing:-Same as mixing.
 - xi. 5.1.6.4: Final Mixing
 1. Add cement or Lime (Lime/Fly Ash or Lime/Cement)
 2. 1st sentence-New or move to 5.1.8.
 - xii. 5.1.10: Change table to be easier to read and understand.
 - b) 5.2-Mechanically Stabilized Subgrade (Discussion of 5.2 did not take place at this meeting. Minutes from last meeting are included here for review).
 - i. Geogrid Specification? Discussion of FHWA (Chapter 5) specification. NTPEP and AASHTO M288 do not recognize geogrid in their specifications and testing.

- 4) Addition of geotextile specifications-(Section 5.3)
 - a) 5.3-Mechanically Stabilized Subgrade with Geotextiles. See proposed specification for High Strength geotextiles.
 - b) Section 8-Review
 - i. Implement AASHTO M288 for this section?
- 5) New Action Items: (Who What, When)
 - a) Derek Garben, Joe LaHeist to continue reviewing and bring supporting documentation for next meeting.
 - b) Jamie Johnson to bring PCC Specification on FDR.
- 6) Adjourn