Keys to Success
Chip Seal Inspection
CCSA 2014
EXPECTATIONS

» Seal Coats are a maintenance tool.
» Have realistic expectations of performance based on existing pavement conditions and preparation.
» Right product at the right time still stands true!!
Keys to inspection

» On site observation
» Calibration/Verification
» Sampling
» Documentation
» Materials Testing
Areas Of Inspection

» Safety
» Materials
» Construction
Chip Crew

» T/C
» Prep Crew Including P/N
» Spreaders
» Chip Box
» Rollers
» Sweepers
» Transportation
Traffic Control

» T/C Plan on Hand & Properly Implemented
» Flaggers are Professional, Courteous and Performing Duties
» Pilot Car Documenting Times and Operating Safely Throughout Operation
Prep Crew

» P/N Crew Accurately & Thoroughly Posted CORRECT Streets Per Schedule

» All Utilities Protected

» Streets Free Of Obstructions Such as Garbage Cans, Roadkill, Debris etc...
Asphalt Distributors

» Operators Accurately & Completely Document Shot Rate & Location Of Every Load Used on the Project

» Spread Sheets Complete With All Other Information Including Blend or Bill of Lading #, Temperature & Viscosity if Applicable

» Verify shot rates
Asphalt Distributors Cont.

» Verify That Spray Angle of Application Nozzles is Correct

» Verify That Boot Crew (if applicable) is Thoroughly Performing all Duties Required

» Verify the Daily Cleaning of Both Screens if applicable
CHIP BOX

» Machine Calibrated Daily
» Correct Spread Rate Being Applied
» Visually Inspects Loads for Cleanliness, Gradation, and Coating When Required
» Spread Gates are Free of Any Material That May Affect Rate or Pattern
» Operator is Removing Chip Box From any Uncompacted Areas During Extended Stops
» Operators are Compacting Product in a Timely Manner at a Safe Speed
» Overlap of Tires or Drum is Sufficient
» All Joints are Thoroughly Compacted
» Sufficient number of rollers
» Rollers are Taking Precautions not to Scar the Finished Surface
SWEEPERS

» All Pavement To Be Sealed Has Been Completely Swept Prior to Application
» Meet Line Broom is Sweeping Joint Back a Minimum of 2ft” on Hot Coated Chip Jobs and 6in” on Cold Chips
» Meet Line Broom is Equipped With Street Prep Materials and a Shovel at All Times
» Cleanup Brooms are Traveling in a Tight Pack at all Times and Water System is Functioning if necessary
Daily CLEANUP

» Verify Entire Jobsite Area is Clear of all Loose Aggregate, Oils, and Other Construction Debris such as tarpaper

» All Utilities are Relocated and Uncovered

» Temporary Markers are in Place and Visible to Traveling Public and Pedestrians

» Staging Areas and Stockpiles are Completely Restored to the Satisfaction of Owners and Agency Representatives
ROCK TRANSPORTATION

» Rock Trucks are Taking Precautions not to Scar Finished Surface
» Ensure That Operators are Traveling at Low Enough Speeds to Prevent the Projecting of Loose Aggregate From Tires
» Ensure Use of Tarps When Required
» Verify Necessary Paperwork is in Order
OIL TRANSPORTATION

» Verify Product Receipts are Filled out Properly and Certificates of Compliance are on Hand

» Verify use of Augers when Necessary
SUPERINTENDENTS & AGENCY

» Daily quantity agreement with field Superintendent is Accurate and Current Throughout Duration of Project

» Daily communication with field superintendent with regards to concerns and plans to address any issues.
- Emulsions should be sampled daily and sent to the lab when necessary or required.
  *Shelf life is short!!!

- PG Graded Asphalts should be sampled and stored or tested when necessary.

- Field Blended Materials such as Asphalt Rubber should also be sampled and tested for viscosity in the field.

- Holdover Loads Shall be Sampled Prior to Use.
ROCK SAMPLING

» Recommended one 25lb Sack daily
» Coated aggregate tested prior to coating
» Stockpile testing is also recommended
» Proper Sampling is Key!
SAMPLE LABEL
Recommendations

» Date
» Project #
» Bill of Lading # or Batch# if applicable
» Temperature
» Viscosity if Applicable
SAFETY

» Safety is Everyone’s Responsibility
» Address any safety concerns with superintendent
» Be receptive to contractor concerns as well.
THANK YOU!

WORK SAFELY
PAY ATTENTION TO DETAIL
TAKE OWNERSHIP
ASK QUESTIONS