Prepaving Conferences
Presenters

- **ODOT:**
  - Bob Townsend
  - Assistant Project Manager
  - The Dalles Construction Office

- **Knife River:**
  - Tyrone Belgarde
  - Project Superintendent
  - Knife River Corporation-Northwest
Why do we have a Pre-Pave Conference?
What does ODOT want to gain from the Pre-Paving Conference?
What does a Contractor want to gain from the Pre-Paving Conference?
What should be covered at a Pre-Pave Conference?
Prepaving Conferences...Why???

Specification Requirement

“Section 00745.41 Prepaving Conference – Supervisory personnel of the Contractor, including any subcontractors who are to be involved in the paving work, shall meet with the Engineer at a mutually agreed time to discuss methods of accomplishing all phases of the paving work. A representative of the Contractor responsible for quality control on the project shall also attend for all Level 3 and Level 4 mixes where quantities exceed 5,000 tons.”
Pre-Pave....Why??

ODOT's Perspective

- Understand Roles & Responsibilities
- Set Clear Expectations
  - Contractor
  - Inspector
- Eliminate Potential for Delays
- Establish Consistency for Contractor
- Help Ensure the Best Project Possible!!
Pre-Pave.......Why?
Contractor’s Perspective

- Understand Roles & Responsibilities
- Obtain Clear Expectations from ODOT
- Eliminate Potential for Delays
- Minimize Risk Areas
- Help Ensure the Best Project Possible
Pre-Pave Conference Timing

- Specs Require “Agreed Upon Time between ODOT & Contractor”
- Send Agenda out prior to meeting
- Recommend Meeting at least a day prior
  - Bridge Projects or Modernization (1 week)
  - Mainline paving (Day before, even Sunday)
Pre-Pave Agenda

PREPAVE CONFERENCE AGENDA
Project Name: ________________________________
Contract No.: __________________________________
Date: _______________________________________

INTRODUCTIONS

QUALITY CONTROL PERSONNEL
- ODOT INSPECTORS
- ODOT QC/CS
- CONTRACTOR QA/QC MANAGER
- CONTRACTOR CAT II
- CONTRACTOR CAT I
- CONTRACTOR CDT

SECTION 00745.16 HMAC PRODUCTION QC/QA
- Approved Mix Design(s)
- Sublots
  - Lot 1 – Median Barrier Paving
  - Lot 2 – All other Paving
- Laboratory Certification
- MDV Testing, 745.16(b)
  - Adjustment to JMF targets made through PM Office
  - Contractor Personnel requesting JMF
- Test results
  - Contractor’s results, (by middle of following work shift)
  - ODOT CPF, (24 hours after receiving results) delivered to ______________

SECTION 00745.21 HMAC MIXING PLANT
- DSQ Permits
- Scale Certification
- Plant Calibration – ODOT TM 322 (Section 745.15(a-5))
- Production Rate ______________

SECTION 00745.22 HAULING EQUIPMENT
- Coating of beds (brand name of material)
- Backhauling of RAP – Truck Inspection prior to HMAC Loading

SECTION 00745.23 HMAC PAVERS
- Auger Extensions Required to match Paving Width
- Paver control systems (skis – joint matcher is not allowed) (Section 745.40)
- Illumination required for Night Time Paving
- Pick up machine required on wearing course

SECTION 00745.24 COMPACTORS
- 10 Tons Level 3, 12 Tons Level 4 Breakdown and Intermediate Rollers
- 8 Tons Level 3, 10 Tons Level 4 Finish Rollers
Pre-Pave Agenda - Personnel

- **ODOT**
  - Inspectors
  - QCCS
  - Construction Specialist / Project Coordinator
  - Assistant Project Manager

- **Contractor**
  - QA/QC Manager
  - CAT I
  - CAT II
  - CDT
  - Paving Foreman
  - Paving Superintendent
  - Project Manager
Pre-Pave Agenda – Section 745.16 (HMAC Production QC/QA)

- **Approved Mix Designs**
  - Base Course, Wearing, Leveling, Warm Mix Etc.

- **Sublots**
  - Lot 1, i.e. Median Paving at 3” Depth
  - Lot 2, i.e. Base Course
  - Lot 3, Wearing Course

- **Lab Certifications**
  - Submitted prior to start of production

- **MDV Testing (745.16(b))**
  - Request for JMF adjustments submitted to ODOT ____________
  - Contractor Personnel requesting JMF Adjustments ____________

- **Test Results**
  - Contractor submits results by middle of following work shift to ODOT ____________
  - ODOT submits CPF within 24 hours of receiving results to Contractor ____________
Pre-Pave Agenda – Section 745.21 (HMAC Mixing Plant)

- DEQ Permits
- Hopper Scale Certifications
- Plant Calibration (Section 745.16(a-5))
  - Calibrate all meters and belt scales prior to production.
- Estimated Plant Production Rate ____________
Pre-Pave Agenda – Section 745.22
(Hauling Equipment)

- Truck Count____________________
- Bed Coating
  - Name of Material ____________________
- Backhauling of RAP
  - Truck Inspection prior to HMAC Loading
- Truck Safety
  - Speed in Workzone
  - Pilot Car / Flagging protocol
  - Turnaround Locations
  - Ticket Delivery
Auger Extensions
- Required when paving consistent widths

Paver Control Systems
- Ski’s required, joint matchers not allowed per 00745.46

Pick Up Machine Requirements
- Wearing Course

Paver Safety
- Lights required for Nighttime Paving
- Traffic Control at Paver
Pre-Pave Agenda – Section 745.24 (Compactors)

- **Compactor Size**
  - Level 3, Breakdown & Intermediate 10 tons, Finish 8 Tons
  - Level 4, Breakdown & Intermediate 12 tons, Finish 10 Tons
  - Contractor to provide verification of weights

- **Compactor Safety**
  - Passengers not allowed to ride on rollers if not in a seat
  - PCMS messages on Rollers ________________________
Pre-Pave Agenda – Section 745.40
(Season and Temperature Limitations)

- **Date Limitations**
  - Level 3 & 4, Wearing Course 3-15 to 9-30
  - Protocol for requests for extension

- **Surface Temperature**
  - 40 Degree F
Pre-Pave Agenda – Section 745.42
(Preparation of Underlying Surfaces)

- Compacted Base or Clean and Dry Surface
  - Inlay Delamination Protocol
  - ODOT personnel who approves surface __________________________
  - Contractor personnel in charge of preparation of surface __________

- Tack
  - Type of Tack ______________________________
  - Minimum Surface Temperature 40 F
  - Emulsified Asphalt Temperature Range 140 to 180 F
  - ODOT Personnel who approves tack______________________________
  - Contractor personnel in charge of tack__________________________
  - Measurement Method – Initial Weight, Delivery Tickets, End Weight (Contractor to Provide Summary Table)
Pre-Pave Agenda – Section 745.43 (HMAC Temperatures)

- Mixing Temperatures
  - JMF (308-319, 350 Max)

- Laydown Temp
  - JMF (240 Min)
Leveling
- Establish references for line and grade prior to each lift

Grinding Layout
- Measure off of CL when not full width Inlay

Paving Layout
- CL and lane lines must be re-established after each lift
- EP must be laid out at a reasonable interval

Pre-Pave Agenda – Section 745.46 (Control of Line and Grade)
Pre-Pave Agenda – Section 745.48 (Hauling, Depositing, & Placing)

- Weather Limitations
  - Trucks to be tarped if cold
  - Discuss shutdown for rain protocol
- Ticket Taking
  - Ticket Taking Protocol
  - Location of Ticket taker
- Check Weights
  - Contractor Required to Complete Check Weight Calculation
  - Provide Check Weight Ticket & Calc. to Inspector for Review
  - Scale Location for Check Weights
- Placement
  - Nominal Depth, Yield Discussion (Overruns/Underruns)
  - ODOT personnel responsible for rejecting mix ________________________
  - Contractor personnel responsible for removing rejected mix______________
Pre-Pave Agenda – Section 745.49 (Compaction)

- Compaction - Compactors
  - Number of Rollers _______________________
  - Method of Compaction under Guardrail and in Small Areas______________________________

- Compaction Items
  - Compaction Requirements, Base_______, Wearing _________
  - Is a control strip required?__________________________
  - Are Core Correlations required?_____________________
  - Who will handle issues regarding compaction
    - ODOT __________________________________________
    - Contractor________________________________________
Pre-Pave Agenda – Section 745.60 (Correction of Defects)

- **Protocol for Correcting Defects**
  - Inspector will notify Foreman ____________________
  - Inspector will notify Superintendent______________
  - Inspector will issue operational shutdown (written)
Pre-Pave Agenda – Section 745.61&62 (Longitudinal and Transverse Joints)

- **Longitudinal Joints**
  - Location of joints to be reviewed with inspector
  - Contractor’s Method for longitudinal joint installation and compaction

- **Transverse Joints**
  - 24 hours or less 2” Joint – 8 foot wedge, (1:50 taper)
  - 24 hours or more 2” joint – 24 foot wedge, (1:160 taper)
  - Contractor’s Wedge Installation and Removal

- **Bridge Deck Overlays / Bridge End Panels**
  - Grinder Requirements
  - Sawcut joints within 48 hours unless approved
Pre-Pave Agenda – Section 745.73 (Smoothness)

- Smoothness Measurement
  - Straight Edge Locations
  - IRI Standard Profiler
    - Calibration Documentation Provided to ODOT prior to measurement
    - Measurement within 7 days following completion of mainline paving
    - Documentation submittal requirements
  - Contractor Representative __________________________
  - ODOT Representative _____________________________

- Correction of Pavement Roughness
  - Correct Roughness within 14 days of notification
Pre-Pave Agenda (Miscellaneous Items)

- Ramp Paving Process or other Special Paving Areas
- Daily Schedule (Paving start time / Grinder stop time)
- Traffic Control – Mobility
- Coordination with other Work (On-site / adjacent)
- Vehicle Staging
- Grinding Pile Locations
Pre-Pave Summary

- Valuable for ODOT & the Contractor
- Make sure everyone is on the same page
- Minimize Risk by discussing Issues ahead of time
- Lay the groundwork for a Successful Project
Questions????