

**MANAGING  
ASPHALT  
PAVEMENTS**  
CONFERENCE AND TRADE SHOW  
MAY 15-17, 2023 ★ WACO, TEXAS

**Contingency Planning:  
Nothing Bad Happens Until  
Something Bad Happens**

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**P**ositive  
**N**eutral  
**P**oison

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**Nothing Bad Happens Till  
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# Quality Control Plan (QCP). Develop and follow the QCP in detail.

- Submit a written QCP before the mandatory pre-paving meeting. Receive approval of the QCP before beginning production. Include the following items in the QCP:

- Project Personnel – Certifications
- Production – Asphalt Plant
- Transporting – Trucking
- Placement – Laydown
- Compaction – Rolling



# Agenda for Asphalt Pre-Paving Meeting

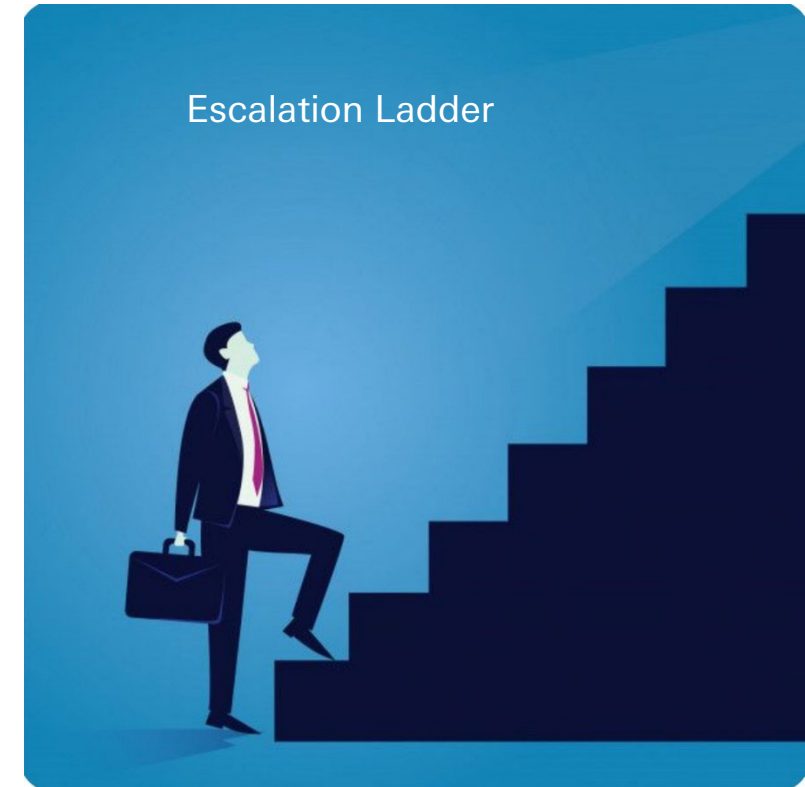
- Project Information
- Project Staffing
- Project Materials
- Production – Sampling – Testing
- Placement – Sampling – Testing
- Construction Procedures – Phasing – Ride Quality

# Project Information

- Roadway
- County
- Location
- Start Date
- Producer
- Crew Placing

# Project Staffing

- Owner Engineer
- Owner Project Manager
- Owner Inspector
- Contractor Super
- Contractor Quality Control
- Plant Supervisor



# Production

- QCP Approved
- Mix Design Approved
- Lot Size - Testing
- Binder - Testing
- Reporting Timeframe

# Placement

- Min – Max Lift Thickness
- Min – Max Temps
- Density Locations
- Exempt Areas
- Segregation
- Mix Tickets - Yield

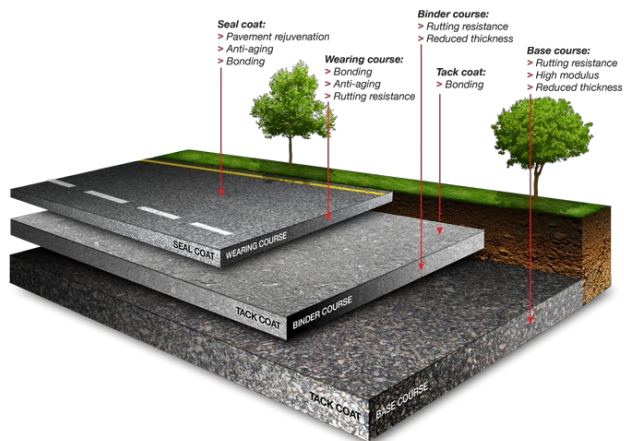
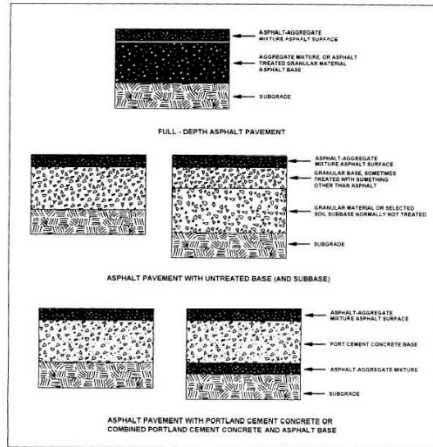


# Construction Procedures

- Phasing
- Traffic Control
- Building Edge - Driveway – Intersection
- Ingress – Egress
- Surface Irregularities
- Straight Edge



# Paving Plan, Widths, Offsets, and Thicknesses



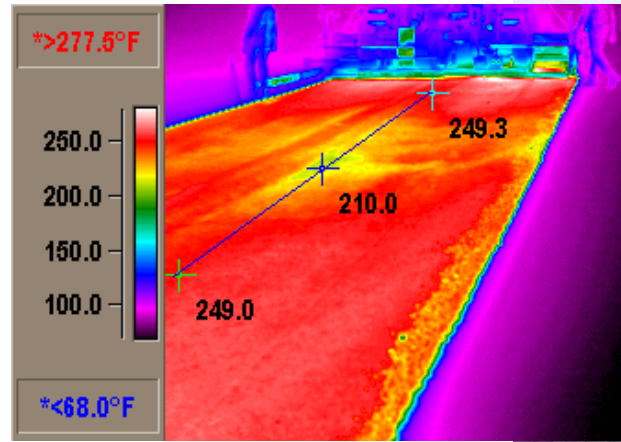
# Balance Production, Delivery, Compaction, and Smoothness



# Transfer Mixture into Paver avoiding Segregation and Spillage



# Paver Operations



# Quality Longitudinal and Transverse Joints



# **Some Unique Issues that can be Discussed and Agreed Upon Before Construction**

**Contractor Doesn't want to throw mix away  
Owner wants smooth, durable, long lasting  
pavement**

**Discuss before pavement work begins  
Discuss Payment options**

# All Hands Plan

## PROJECT SPECIFICS

Date:	Project Name:	Contract Number:
Specification:	Roadway:	County:
Contractor:	Producer:	Plant Location:
Proposed Start Date:	Proposed Completion Date:	

## ASPHALT PAVING ESCALATION LADDER

### Owner

CEI Inspector:	
Phone:	Time to Resolve:

Owner Inspector:	
Phone:	Time to Resolve:

Owner Project Manager:	
Phone:	Time to Resolve:

Area Engineer's Office:	
Phone:	Time to Resolve:

Owner Engineer:	
Phone:	Time to Resolve:

### CONTRACTOR

Contractor Level 1B:	
Phone:	Time to Resolve:

Contractor Superintendent/Forman:	
Phone:	Time to Resolve:

Contractor Project Manager:	
Phone:	Time to Resolve:

Contractor Manager:	
Phone:	Time to Resolve:

Prime Contractor:	
Phone:	Time to Resolve:

# D I S C U S S I O N

## POINTS OF DISCUSSION

1. Safety:
  - a. Identify vehicles that have safety kits, fire extinguishers, and spill kits.
  - b. Identify the nearest emergency room.
  - c. Identify individuals who are certified in CPR and first aid.
2. Discuss the Traffic Control Plan.
3. Review applicable Special Provision: **SP** \_\_\_\_\_
4. Review General Notes (material transfer device, backfill requirements etc.).
5. Surface Irregularities: If a pattern of surface irregularities is detected (including, but not limited to, color, texture, roller marks, tears, uncoated aggregate particles, or segregation):
  - d. The Contractor shall make an investigation into the cause(s) and immediately take the necessary corrective action.
  - e. Placement may continue for no more than one (1) day of production from the time the Contractor is first notified and while corrective actions are being taken.
  - f. If no corrective action is taken or if the problem exists after one (1) day, paving shall cease until the Contractor further investigates the causes and the Engineer approves further corrective action.
  - g. Remove and replace, at the Contractor's expense, any mixture that does not bond or has surface irregularities.
6. Discuss how to achieve the required Ride Schedule (Item 585).
7. Discuss the need to establish random numbers at the end of the sub-lot and distribute accordingly.
8. Roadway cores:
  - a. Discuss lane closures and safety in cutting the cores.
  - b. Discuss not being able to cut the core at the end of the shift. When is the next available time to cut the cores?
  - c. Discuss witnessing and chain of custody of the cores.



# Pavement Prep for overlays and maintenance work

- Physically look at Pavement Structure
- If repair is needed – look for cause -
- Understand need to repair
- Utilize tools in the toolbox
- If not corrected be aware of consequences



ABOUT ▾

DIRECTORY

RESOURCES ▾

EVENTS ▾

CONTACT

JOIN

# RESOURCES



## KNOWLEDGE BASE

- Articles and Updates
- About Asphalt
- Specifications
- Test Procedures
- Safety Shares



## MEDIA

- Videos
- Podcasts



## EDUCATION

- Engineer Asphalt Essentials
- Inspector Asphalt Education
- Specification Education
- Custom Seminars



## TOOLS AND DOWNLOADS

- Asphalt Definitions & Terms
- Texas Asphalt Magazine
- HMAC Certification & Training
- Workforce Ranger Resources
- Liquid Asphalt
- All Hands Plan



# Top Five Takeaways

- Communication
- Quality Control Plan
- Escalation Ladder
- Resource Page
- All Hands – De-Brief



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PRESENTED BY:



# What Do You See



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 **TXAPA**  
Texas Asphalt Pavement Association





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# Questions