



MINIMUM QUALITY CONTROL PLAN FOR FIELD BITUMINOUS PAVING OPERATION

(Attach additional sheets as necessary)

ECMS # _____, State Route (S.R.) _____, Section _____, County _____

I. ORGANIZATIONAL CHART

<u>Personnel</u>	<u>Full Name</u>	<u>Responsibilities</u>
A. Company Representative	_____	Oversees entire project
B. Superintendent	_____	Oversees paving operations
C. Paving Foreman	_____	Oversees placement of material and related operations.
D. Certified Nuclear Gauge Operator	_____	Develops roller pattern and compaction data and acts as a point of contact for PennDOT personnel for all field testing and sampling. (Nuclear Gauge Operator does not need to be NECEPT Certified)
Operator's Certification No.	_____	
E. HMA Field Technician	_____	
NECEPT Certification No.:	_____	Expiration Date: _____

Note: Problems related to bituminous material, paving operations, shall be directed to the paving foreman listed above. If those problems are still unresolved the problems will be elevated to the superintendent. Any problems still unresolved will be directed to the company representative.

Bituminous Concrete Mix Designs

A. List Designs

Bituminous Supply Code	JMF Number and Year	State Route Number (If multiple S.R. are being paved)	Material (37.5mm Base, 19mm Binder, 12.5mm Wearing, etc.)	Asphalt (PG 58-28, PG 64-22, PG 76-22)	Design ESALS	Skid Resistance Level

III. MIX DELIVERY

- A. Trucks will be clean of all foreign materials.
- B. No petroleum oils, solvents, or other materials will be used as a release agent in the haul vehicles. The release agent used will be supplied by _____ having a trade name of _____.
- C. Material will be protected in accordance with 409.3(d)
- D. Material will be released for the day's operation according to the details developed with the on site Inspector.
- E. An adequate number of trucks will be utilized to facilitate paving continuity.
- F. All delivery trucks will be cleaned out at the following designated location, and not on the roadway in advance of the paving train.
- G. Trucks will be loaded, unloaded and, handled using practices and procedures that will help prevent segregation.

IV. SURFACE PREPARATION

- A. All areas will be cleaned of surface debris.
- B. Vertical and horizontal surfaces will be treated according to 409.3(g)1., or contract requirement.
- C. Certification of bituminous materials will be provided as specified.
- D. AET tack coat will be used and applied in accordance with Section 460 or unless indicated otherwise in the contract requirements.
- E. Bituminous material will not be placed until the tack coat has adequately cured.

V. MIX PLACEMENT

- A. Pavers will comply with the requirements of Section 409.3(e) and will be used and operated in accordance with Section 409.3(e).
- B. Automatic screed controls capable of producing a finished surface of specified evenness and texture will be used in accordance with Section 409.3(e).

VI. COMPACTION

- A. A sufficient quantity and type of rollers and compaction equipment will be used in accordance with Sections 409.3(f) and 409.3(i).

VII. JOINT CONSTRUCTION AND COMPACTION

- A. Joints will be offset by approximately 150 mm (6") from the previously placed layer.
- B. Surface course longitudinal joints will be placed at the approximate centerline of the roadway for 2 lane roadways and within 300 mm (12") of lane lines for roadways with more than 2 lanes.
- C. When specified or otherwise used notch wedge joints will be constructed according to RC-28M of the standard drawings..
- D. All transverse joints will be constructed perpendicular to the centerline of the roadway.
- E. All joints will meet the required surface tolerances as specified in Section 409.3(l).
- F. The entire area of all joint faces will be painted with a thin coating of the appropriate bituminous material.
- G. Joints will be compacted by the following means: (Example: Rolling Hot to Cold Side, etc.)

VIII. SPECIAL PAVING CONDITIONS

- A. Method of placement and traffic control for intersections and other incidental work will be discussed and agreed upon by the Inspector and paving foreman no less than 3 days prior to the start of work.
 - 1. List those work items and agreements as discussed (Attached on a separate sheet).

IX. PROTECTION OF THE COURSES

A. Traffic will not be placed on fresh material unless the temperature is 60° C (140 °F) and stable or lower, as by determined by surface thermometers.

X. AMENDMENTS

If at any time during the course of the project a change to this quality control plan is agreed necessary by Company Representative (_____) and the Project Inspector, it can be amended by strike out and replacement followed by signatures in initial form and must be reported to the Project Engineer. A description of the change and reason for amendment should be noted in the Inspector's field diary for confirmation.

XI. PRE-PAVE MEETING

Conduct a pre-paving meeting with department, contractor, and supplier, as well as any other appropriate parties prior to the start of the paving operation. If indicated – Yes / No

Submitted By: _____ **Title:** _____ **Date:** _____

Signature: _____

Reviewed By: _____ **Title:** _____ **Date:** _____

Signature: _____