

Hot Mix Roadway Inspectors Checklist

PIN: 129888.00
 County: Wilson
 Federal Project No.: STBG-M-1234(00)
 State Project No.: 95LPLM-F3-011
 Prime Contractor: ALLEN & SON PAVERS, LLC
 Paving Contractor: ALLEN & SON PAVERS, LLC
 Date: 2/5/18
 Inspection By: Robert Johnson
 Contract No: 111887
 Project Description: Hartsville Pike Resurfacing and Intersection Improvement Project

The inspection checklist shall be completed by the Project Supervisor, or their designated representative, during the test strip construction.

	YES	NO	COMMENTS
Temp Traffic Control (Section 712)			
If applicable, has a Lighting plan been submitted and approved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is lighting on all paving equipment (Paver, Transfer Device, Rollers, trail vehicle) per the approved plan and in compliance with Section 712.04 and table 712.04-1?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the lighting adequate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are workers and other personnel wearing personal protective equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the Contractor's traffic control comply with Section 712 of the Standard Specifications and applicable Plan Notes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Milling/Cold Planing (Sect. 415)			
What is the width of the milling machine(s)?			Width = 6 Feet
Do the Plan Notes require a fine tooth milling machine?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are the milling teeth in good condition and all in place? Fine Teeth Spacing $\leq \frac{1}{2}$ ", Max Tooth Spacing = $\frac{5}{8}$ "	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Teeth spacing = 1/2
Is the milled surface free of scabbing, scallops, gouges, ridges, etc...?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the Contractor maintaining the maximum forward speed of 60 ft/min for $\frac{1}{2}$ "- $\frac{5}{8}$ " teeth spacing or 80 ft/min for teeth spacing of less than $\frac{1}{2}$ "?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	YES	NO	COMMENTS
Is the proper depth and cross-slope being obtained by milling? Is the contractor utilizing automatic slope & Grade Controls?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tack Coat (Sect. 403)			
Has the distributor been approved for use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
What is the date of the most recent calibration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10/18/18
Are the proper nozzle sizes being used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are the nozzles set at 30° from the spray bar?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are the nozzles clean and unclogged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the bar height sufficient to allow at least a double lap spray?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the distributor equipped with a tank stick?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the volume measuring meter of the tank accurate as compared with the stick reading?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has the tack coat test strip been completed and is acceptable? What is the application rate to obtain uniform full coverage without ponding, pooling, or corn-rowing?	<input type="checkbox"/>	<input type="checkbox"/>	Application rate=
Has the existing surface been cleaned and all foreign materials been removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the tack breaking properly (Brown to Black)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is debris/milling fines building up on construction equipment/hauling truck tires after the tack application? If yes, the roadway must be cleaned in a more efficient manner.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are cores for tack coat bond being obtained? (SS407.15 and 403.05)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Material Transfer Device (MTD) Section 407.06B			
Who is the manufacturer and what is the model of the equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the MTD have a minimum of 15 tons storage capacity and capable of remixing the material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the paver have a surge hopper with a minimum of 15 tons storage capacity and sloping sides?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	YES	NO	COMMENTS
Rollers (407.07)			
Are three rollers of the required size being used as required in Section 407.15? (except CS, OGFC, TL, and TLD mixes where two are required)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If the inside shoulder and inside traffic lane are being paved concurrently, is there a 4th roller (min. 4 ft wide) for the inside shoulder?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a pneumatic roller (rubber tire) used for intermediate rolling? *If a latex or polymer additive is used a steel wheel roller may be used instead of a pneumatic roller for the intermediate roller provided the surface course meets density requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are rollers equipped with a device for moisten and cleaning the wheels as required? (407.07)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is rolling being completed from the low side up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is rolling being completed as identified in the test strip? Correct number of passes? Within the established temperature range?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number of passes = 5 Temperature range = 120-130
Is a release agent being used on the tires of the pneumatic roller? If yes, what type and is it approved?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Type: Approved:
Paver (407.06)			
Is a minimum 40-foot ski or non contact grade control system used for grade control? (407.14)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a 12 foot straightedge and level on the paver?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the mix maintained at half the auger height?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are auger extensions within 18 inches of the end plate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the paver screed heated? Is it in vibratory mode?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the screed producing effectively a finished surface of required evenness and texture without tearing, shoving or gouging the mixture?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are temperature limitations being adhered to? Is there an approved "cold weather paving plan" if out of season?(407.09)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	YES	NO	COMMENTS
Is the surface upon which the mix is to be placed free from excessive moisture?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the pavement and shoulder cross slope being checked. Are they correct (within 0.5% of the plans)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are depth checks being made? Is the thickness correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are spread rate checks being computed at least twice daily?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Delivery			
Are truck beds covered with tarps extending 6 inches over the sides and secured at 5-foot intervals? (407.05)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are truck beds tight, clean, and smooth, with a thin coat of approved release agent?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the TDOT inspector accepting the weight tickets and signing them in accordance with Section 107? What is the mix type? What is the AC type?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mix Type = Grade AC =
Are the allowable weights displayed? Tare weight? Allowable gross weight? Interstate? Non-interstate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does each truck bed have a 3/8" hole for checking temperature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the inspector recording temperatures every 5th load. (Sampling and Test Guide)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the mix temperature in the paver hopper within the allowable specification limits? (407.11)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Longitudinal Joint			
Is the joint area along the edge clean prior to placement of the adjacent mat? Tack coat applied?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the material slightly high at the joint to allow for compaction (about 0.25" per 1" laid)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the longitudinal joint being overlapped 1 to 1.5 inches over the adjacent mat to create a tight joint?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the luter casting mix across the mat?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
On a multiple course pavement, is the longitudinal joint offset by at least one foot of the preceding layer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For surface course, is the longitudinal joint at the lane edge or center line of roadway?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	YES	NO	COMMENTS
Transverse Joint			
When tying into existing pavement is a full head of material maintained in front of the screed to the end?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the contractor cutting back on previous runs to expose the full depth of the previous course to form transverse joints?	<input type="checkbox"/>	<input type="checkbox"/>	
Is the contractor utilizing nulling blocks for takeoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the material slightly high at the joint to allow for compaction (about 0.25" per 1" laid)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
When continuing paving, is the joint thoroughly cleaned and tack applied to ensure a good bond?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the joint straightedged to ensure smoothness?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Test Strip (407.15)			
Is the test strip a minimum of 400 SY as required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the mix being compacted to achieve the required density?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are cores taken where directed to calibrate the nuclear gauges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Do the average and individual nuclear densities meet minimum requirements for the ADT and type of mix (expressed in percent of maximum theoretical density)? What density is required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Required density:
Have temperature ranges of each other been established during development of the roller pattern?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

COMMENTS:

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