**Hot Mix Roadway Inspectors Checklist**

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| --- | --- |
| PIN: |  |
| County: |  |
| Federal Project No.: |  |
| State Project No.: |  |
| Prime Contractor: |  |
| Paving Contractor: |  |
| Date: |  |
| Inspection By: |  |
| Contract No: |  |
| Project Description: |  |

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? |  |  |  |
| 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? |  |  |  |
| Is the lighting adequate? |  |  |  |
| Are workers and other personnel wearing personal protective equipment? |  |  |  |
| Does the Contractor’s traffic control comply with Section 712 of the Standard Specifications and applicable Plan Notes? |  |  |  |
| **Milling/Cold Planing (Sect. 415)** | | | |
| What is the width of the milling machine(s)? |  |  | Width = |
| Do the Plan Notes require a fine tooth milling machine? |  |  |  |
| Are the milling teeth in good condition and all in place? Fine Teeth Spacing ≤ ½”, Max Tooth Spacing = 5/8” |  |  | Teeth spacing = |
| Is the milled surface free of scabbing, scallops, gouges, ridges, etc…? |  |  |  |
| Is the Contractor maintaining the maximum forward speed of 60 ft/min for ½”-5/8” teeth spacing or 80 ft/min for teeth spacing of less than ½”? |  |  |  |
| Is the proper depth and cross-slope being obtained by milling? Is the contractor utilizing automatic slope & Grade Controls? |  |  |  |
| **Tack Coat (Sect. 403)** | | | |
| Has the distributor been approved for use? |  |  |  |
| What is the date of the most recent calibration? |  |  |  |
| Are the proper nozzle sizes being used? |  |  |  |
| Are the nozzles set at 30° from the spray bar? |  |  |  |
| Are the nozzles clean and unclogged? |  |  |  |
| Is the bar height sufficient to allow at least a double lap spray? |  |  |  |
| Is the distributor equipped with a tank stick? |  |  |  |
| Is the volume measuring meter of the tank accurate as compared with the stick reading? |  |  |  |
| 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? |  |  | Application rate= |
| Has the existing surface been cleaned and all foreign materials been removed? |  |  |  |
| Is the tack breaking properly (Brown to Black)? |  |  |  |
| 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. |  |  |  |
| Are cores for tack coat bond being obtained? (SS407.15 and 403.05) |  |  |  |
| **Material Transfer Device (MTD) Section 407.06B** | | | |
| Who is the manufacturer and what is the model of the equipment? |  |  |  |
| Does the MTD have a minimum of 15 tons storage capacity and capable of remixing the material? |  |  |  |
| Does the paver have a surge hopper with a minimum of 15 tons storage capacity and sloping sides? |  |  |  |
| **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) |  |  |  |
| 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? |  |  |  |
| 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. |  |  |  |
| Are rollers equipped with a device for moisten and cleaning the wheels as required? (407.07) |  |  |  |
| Is rolling being completed from the low side up? |  |  |  |
| Is rolling being completed as identified in the test strip? Correct number of passes? Within the established temperature range? |  |  | Number of passes =  Temperature range = |
| Is a release agent being used on the tires of the pneumatic roller? If yes, what type and is it approved? |  |  | Type:  Approved: |
| **Paver (407.06)** | | | |
| Is a minimum 40-foot ski or non contact grade control system used for grade control? (407.14) |  |  |  |
| Is a 12 foot straightedge and level on the paver? |  |  |  |
| Is the mix maintained at half the auger height? |  |  |  |
| Are auger extensions within 18 inches of the end plate? |  |  |  |
| Is the paver screed heated? Is it in vibratory mode? |  |  |  |
| Is the screed producing effectively a finished surface of required evenness and texture without tearing, shoving or gouging the mixture? |  |  |  |
| Are temperature limitations being adhered to? Is there an approved “cold weather paving plan” if out of season?(407.09) |  |  |  |
| Is the surface upon which the mix is to be placed free from excessive moisture? |  |  |  |
| Is the pavement and shoulder cross slope being checked. Are they correct (within 0.5% of the plans)? |  |  |  |
| Are depth checks being made? Is the thickness correct? |  |  |  |
| Are spread rate checks being computed at least twice daily? |  |  |  |
| **Delivery** | | | |
| Are truck beds covered with tarps extending 6 inches over the sides and secured at 5-foot intervals? (407.05) |  |  |  |
| Are truck beds tight, clean, and smooth, with a thin coat of approved release agent? |  |  |  |
| 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? |  |  | Mix Type =  Grade AC = |
| Are the allowable weights displayed? Tare weight? Allowable gross weight? Interstate? Non-interstate? |  |  |  |
| Does each truck bed have a 3/8” hole for checking temperature? |  |  |  |
| Is the inspector recording temperatures every 5th load. (Sampling and Test Guide) |  |  |  |
| Is the mix temperature in the paver hopper within the allowable specification limits? (407.11) |  |  |  |
| **Longitudinal Joint** | | | |
| Is the joint area along the edge clean prior to placement of the adjacent mat? Tack coat applied? |  |  |  |
| Is the material slightly high at the joint to allow for compaction (about 0.25” per 1” laid)? |  |  |  |
| Is the longitudinal joint being overlapped 1 to 1.5 inches over the adjacent mat to create a tight joint? |  |  |  |
| Is the luter casting mix across the mat? |  |  |  |
| On a multiple course pavement, is the longitudinal joint offset by at least one foot of the preceding layer? |  |  |  |
| For surface course, is the longitudinal joint at the lane edge or center line of roadway? |  |  |  |
| **Transverse Joint** | | | |
| When tying into existing pavement is a full head of material maintained in front of the screed to the end? |  |  |  |
| Is the contractor cutting back on previous runs to expose the full depth of the previous course to form transverse joints? |  |  |  |
| Is the contractor utilizing nulling blocks for takeoff? |  |  |  |
| Is the material slightly high at the joint to allow for compaction (about 0.25” per 1” laid)? |  |  |  |
| When continuing paving, is the joint thoroughly cleaned and tack applied to ensure a good bond? |  |  |  |
| Is the joint straightedged to ensure smoothness? |  |  |  |
| **Test Strip (407.15)** | | | |
| Is the test strip a minimum of 400 SY as required? |  |  |  |
| Is the mix being compacted to achieve the required density? |  |  |  |
| Are cores taken where directed to calibrate the nuclear gauges? |  |  |  |
| 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? |  |  | Required density: |
| Have temperature ranges of each other been established during development of the roller pattern? |  |  |  |
| **COMMENTS:** | | | |
| Click here to enter text. | | | |