TECHNICIAN'S CHECKLIST
SECTION 600
PRIME COAT

PROJECT: _____ **REVIEW DATE: _____**

TECHNICIAN: _____ **REVIEWER: _____**

GENERAL:				
Study Specifications, Plans, and Special Provisions				
Is the prime coat material to be used on an approved list maintained by the Materials & Tests Unit?				
Has the base material been approved for grade and superelevation?				
Is the base clear of all objectionable material?				
Have bridge decks, curbs, and handrails been protected from tracking or splattering?				
Has the proper quantity of Prime Coat been spread uniformly?				
Record in diary all conversations, observations, spot checks made, and work performed				

TECHNICIAN'S CHECKLIST
SECTION 605
TACK COAT

PROJECT: _____ **REVIEW DATE: _____**

TECHNICIAN: _____ **REVIEWER: _____**

GENERAL:				
Is the tack coat material to be used on an approved list maintained by the Materials & Tests Unit?				
Is the surface to be tacked clean and dry?				
Is the ambient temperature in the shade above 35º F?				
Have bridge decks, and curbs been protected from tracking or splattering?				
Are the nozzles on the distributor truck clean and able to uniformly spray the tack coat across the surface to be paved?				
Has the initial quantity of tack coat material in the distributor been measured?				
Has the proper rate of tack coat been spread uniformly?				
Is the application temperature of the tack coat within the tolerances of Table 605-1?				
Record in diary all conversations, observations, spot checks made, and work performed.				

TECHNICIAN'S CHECKLIST
SECTION 607
MILLING ASPHALT PAVEMENT

PROJECT: _____ **REVIEW DATE: _____**

TECHNICIAN: _____ **REVIEWER: _____**

GENERAL:				
Study Specifications, Plans, and Special Provisions.				
Is the milling equipment capable of accurately maintaining a consistent depth?				
Is an automatic grade control system being used to establish the depth of milling?				
Have all manholes, meter valves, and other obstructions been located?				
Is the milling machine leaving a uniform and reasonably smooth surface?				
Does the depth of milling need to be adjusted slightly (less than ±1 inch) in order to remove any thin sections of an existing pavement layer?				
Record in diary all conversations, observations, spot checks made, and work performed.				

TECHNICIAN'S CHECKLIST
SECTION 610
ASPHALT-PAVEMENT PLANT MIX – GENERAL
International Roughness Index

PROJECT: _____ **REVIEW DATE: _____**
TECHNICIAN: _____ **REVIEWER: _____**

GENERAL:				
Study Specifications, Plans, and Special Provisions.				
The contractor shall:				
Select a location for calibration testing 0.10 miles in length. The location should be reasonably flat and measured and approved by the Engineer.				
Perform daily calibration procedures and record measurements and calibration settings in a calibration log book. Calibrations should include Distance measurement (within ±1.00 ft.), vertical displacement (within ±0.01181 inches), and accelerometer (within manufacturer's instructions which may include both a static dynamic test.).Calibration Log should include date of calibration, Instrument calibrated, measurement results, and any adjustments, in any, made to the equipment based on the results. Calibration testing should be done in the presents of the Engineer or his representative. A copy of the calibration log should be given to the Engineer each day.				
Reach the intended operating speed before entering the test section (the runup and runout distances should be sufficient to obtain the intended operating speed and to slow down after testing is complete).				
Provide IRI data in accordance with the most current version of ASTM E 1926.				
Provide a competent operator trained in the operation of the inertial profiler per AASHTO R 57.				
Provide the user selected inertial profiler settings to the Engineer or his representative for the project records.				
Provide equipment in good working condition.				
Remove all objects or foreign materials on the pavement prior to longitudinal pavement profile testing.				
Operate the profiler at the manufacturer's recommendations (The manufacturer's recommendation should be provided to the Engineer or his representative).				
Operate the Profiler at a speed which is constant within ±3mph of the intended speed.				
Operate the in the direction of the final traffic pattern.				
Collect IRI data from both wheel paths during the same run (it is permissible to collect data one wheel path at the time if each wheel path is tested and evaluated separately).				

TECHNICIAN'S CHECKLIST
SECTION 610
ASPHALT-PAVEMENT PLANT MIX – GENERAL
International Roughness Index

PROJECT: _____ **REVIEW DATE: _____**
TECHNICIAN: _____ **REVIEWER: _____**

Mark the limits of structures and other special area to be excluded from testing using the profiler's event identifier.				
Perform all smoothness testing in the presents of the Engineer or his representative.				
Perform surface testing on the finished surface of the competed project, or at the completion of a major state of construction as approved by the Engineer.				
Coordinate with and receive authorization from the Engineer before starting smoothness testing.				
Perform all smoothness testing with 7 days after receiving authorization from the Engineer.				
After testing, transfer immediately the profile data, compatible with the latest version of ProVAL, from the profiler portable computer's hard drive to a write once storage media (DVD-R or CD-R) or electronic media approved by Engineer. The media approved will not be returned.				
Label the electronic media with the project number, route, file number, date, operator, and termini of the profile data.				
Submit report data and documentation of the evaluation for each section to the Engineer within 10 days after completion of the smoothness testing. See the example below. (The evaluation should be done in tabular form with each 0.10 mile segment occupying a row. Include each row with the beginning and ending station for the section, the length of the section, the original IRI values from each wheel path, and the MRI value for the section. Each continuous run for a section will occupy a separate table and each table will include a header with Project No., County, Roadway designation, lane designation, JMF used on final layer, dates of the smoothness testing, and the beginning and ending stations of the continuous run. Summarize each table at the bottom.)				
The Engineer or his Representative shall:				
Study Specifications, Plans, and Special Provisions.				
Witness all daily calibration testing.				
Coordinate daily testing schedules.				
Note daily calibration testing has been done in the Daily Inspector's Diary.				
Observe area before smoothness testing begins to see that all objects or foreign materials on the pavement prior to longitudinal pavement profile testing have been removed.				
Observe all smoothness testing.				

TECHNICIAN'S CHECKLIST
SECTION 610
ASPHALT-PAVEMENT PLANT MIX – GENERAL
International Roughness Index

PROJECT: _____ **REVIEW DATE: _____**
TECHNICIAN: _____ **REVIEWER: _____**

Observe the operator to see that he/she are keeping a steady line in the lane.				
Retrieve data from the operator at the conclusion of smoothness testing on the approved media.				
The Engineer should acquire a copy of the latest version of ProVAL software so as to check Contractor's figures.				
Record in diary all conversations, observations, spot checks made, and work performed.				

TECHNICIAN'S CHECKLIST
SECTION 610
ASPHALT-PAVEMENT PLANT MIX – GENERAL

PROJECT: _____ **REVIEW DATE: _____**
TECHNICIAN: _____ **REVIEWER: _____**

ACTION:	YES	NO	N/A	COMMENTS:
GENERAL:				
Study Specifications, Plans, and Special Provisions.				
The contractor shall:				
Select a location for calibration testing 0.10 miles in length. The location should be reasonably flat and measured and approved by the Engineer.				
Perform daily calibration procedures and record measurements and calibration settings in a calibration log book. Calibrations should include Distance measurement (within ±1.00 ft.), vertical displacement (within ±0.01181 inches), and accelerometer (within manufacturer's instructions which may include both a static dynamic test.).Calibration Log should include date of calibration, Instrument calibrated, measurement results, and any adjustments, in any, made to the equipment based on the results. Calibration testing should be done in the presents of the Engineer or his representative. A copy of the calibration log should be given to the Engineer each day.				
Reach the intended operating speed before entering the test section (the runup and runout distances should be sufficient to obtain the intended operating speed and to slow down after testing is complete).				
Provide IRI data in accordance with the most current version of ASTM E 1926.				
Provide a competent operator trained in the operation of the inertial profiler per AASHTO R 57.				
Provide the user selected inertial profiler settings to the Engineer or his representative for the project records.				
Provide equipment in good working condition.				
Remove all objects or foreign materials on the pavement prior to longitudinal pavement profile testing.				

TECHNICIAN'S CHECKLIST
SECTION 660
ASPHALT SURFACE TREATMENT

PROJECT: _____ **REVIEW DATE: _____**

TECHNICIAN: _____ **REVIEWER: _____**

ACTION:	YES	NO	N/A	COMMENTS:
Study Specifications, Plans, and Special Provisions				
Refer to the Special Provisions to determine whether a specific grade of asphalt and/or aggregate and application rate are specified. When the grade of asphalt is not specified the Contractor may use any grade of asphalt shown in Table 660-1 for the type of treatment.				
Ensure that the aggregate used is clean.				
Ensure the surface of the base material is dry in order to obtain satisfactory results from the application of the asphalt material.				
Ensure all damaged or defective areas have been repaired prior to the application of asphalt.				
If the asphalt material appears questionable, take a sample.				
Ensure that the asphalt material is being applied uniformly and at the temperature rates specified in Table 660-1.				
Ensure the cover aggregates are spread uniformly, immediately after the asphalt application. The aggregate must be applied before the asphalt begins to "break".				
Ensure a string line has been placed to guide the application equipment unless otherwise permitted.				
Verify during the initial coverage that the aggregate is not being crushed appreciably. If crushing is occurring, use a lighter steel wheel roller.				
Ensure paper has been placed across the surface at all starting points to ensure the distributor is operating at full force when the application begins and ends.				
Ensure the aggregates have been tested and approved prior to their incorporation into the seal coat.				
Ensure that all pay items as defined in the Specifications (Section 660-11) are measured and properly recorded in appropriate pay record books.				

TECHNICIAN'S CHECKLIST
SECTION 661

ULTRA-THIN BONDED WEARING COURSE

PROJECT: _____ **REVIEW DATE: _____**

TECHNICIAN: _____ **REVIEWER: _____**

ACTION:	YES	NO	N/A	COMMENTS:
Study Specifications, Plans, and Special Provisions				
Refer to the Special Provisions to determine the testing requirement for the plant mixed HMA.				
Ensure the paver has an adjustable full width screed with crown adjustments. The paver should also have electronic screed controls with either a 30-foot minimum mobile grade reference system or a 24-foot non-contacting laser or sonic type ski.				
Ensure that at least one steel drum asphalt roller weighing a minimum of 10 tons is used.				
Ensure all damaged or defective areas have been repaired prior to the application of asphalt.				
Ensure that manhole covers, drains, grates, catch basins and other utilities are covered in plastic to protect them from the overlay.				
Ensure all joints and pavement cracks greater than ¼ inch wide are filled. Overbanding should not be allowed.				
Ensure surface irregularities greater than 1 inch deep are filled with material approved before placement of the UTBWC.				
Ensure the pavement surface is thoroughly cleaned.				
Ensure that the asphalt material is being applied uniformly and within +15°F to –25°F of the JMF temperature.				
Ensure the rollers compact the mix with at least two passes before the mix temperature falls below 185°F.				
Ensure that all pay items as defined in the Specifications (Section 661-4) are measured and properly recorded in appropriate pay record books.				