

**“No Surprises”
Non-Materials Related
Specification Changes for the 2012 Season**

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Scheduling and Contracts

Non-Materials related Spec Changes for 2012 entail:

- **Milling**
- **Loop Detectors**
- **Temporary Pavement Markings**
- **Notice To Proceed Date**
- **Asphalt Tie-ins**
- **Work Area Protection**

Spec Changes for 2012

COLD PLANING (MILLING) ASPHALT CONCRETE OPERATIONS:

- Performance Planing allowed for up to 4 miles across entire lane widths.
- Regular Planing up to 2 miles, single or multilane full width
- Planing need not be squared for weekends. Squaring up only required before holidays and temporary shutdowns. (Requires Pavement Markings)

Spec Changes for 2012

COLD PLANING (MILLING) ASPHALT CONCRETE OPERATIONS (cont.)

Avoid run-on edges

Traffic cannot be exposed to a run-on edge. This is primarily for the safety of motorcycles.

RUN-ON EXAMPLE



Run-on edges

On roads with speed limits of 55 mph or higher:

Avoid **run-on** edges exposed to traffic, on ramps, exits, turn lanes etc. will be allowed. These areas have to be *milled so that vehicles will cross at a nearly transverse joint.

**This run-on condition also applies to paving.*



RUN-ON EXAMPLE



Spec Changes for 2012

REPLACEMENT LOOP DETECTORS:

- **Loops may be installed in milled surface (VDOT's preferred method), or through final riding surface of the overlay.**
- **All new loops must be installed and operational within 96 hours of time old loop was taken out of service.**

Spec Changes for 2012

TEMPORARY CONSTRUCTION AND PERMANENT PAVEMENT MARKINGS AND MARKERS:

Temporary Pavement Markings are now a **pay** item. Quantities are based on 1 cycle of durable markings.

- Application rate for a newly paved surface is 8-10 mils and 3 lbs beads. The lighter coat allows the permanent *durable* markings to be placed without eradication.
- Width to be 75% of proposed permanent marking to allow full coverage and adherence of permanent markings.
- On a milled surface the rate is 15 mils.

Spec Changes for 2012

TEMPORARY CONSTRUCTION AND PERMANENT PAVEMENT MARKINGS AND MARKERS (cont.):

- Need for maintenance is based on night time observation.
- (120' or 3 skips).
- If TPMs are used these shall be paid for in linear feet based on diagram spacing line marking length.
- Time limits for installation of temp and permanent markings is measured from the end of the work day that the pavement is placed.

Spec Changes for 2012

No April NTP:

There will be no fixed Notice to Proceed date for the 2012 plant mix contracts.

Asphalt placement operations will be limited by specification such as temperature or other weather conditions.

Standard ACOT-1 Asphalt Concrete Overlay Transition Drawing

- **Paving passes under bridges.**
- **Tie-in to hydraulic cement concrete pavement.**
- **Tie-in to asphalt concrete pavement where milling is a pay item & when specified in the schedule of routes.**
- **Also shows the temporary wedge detail for milling and paving at 3 feet per inch.**

ASPHALT CONCRETE OVERLAY TRANSITION (ACOT) DRAWING

ACOT-1

NOTES

- TIE-IN REQUIREMENTS TO INTERSECTING ROADS OR STREETS SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR AT THE DIRECTION OF THE ENGINEER.
- EXISTING PAVEMENT SURFACE SHALL BE PLANED TO TRANSITION THE TOP COURSE OF THE ASPHALT CONCRETE OVERLAY. ANY SUB-COURSE TERMINATION MAY BE NOTCHED INTO THE EXISTING PAVEMENT OR BLENDED WITH THE NEXT COURSE OF PAVEMENT.
- WHEN THERE IS A SPECIAL PROVISION FOR RIDEABILITY INCLUDED IN THE CONTRACT, A DISTANCE OF 105 FEET (0.02 OF A MILE), MEASURED FROM THE LINE OF THE TIE-IN WILL BE EXEMPTED FROM PAY ADJUSTMENT.
- TRANSITION SHALL BEGIN/END AT THE PROJECT LIMITS, AT BRIDGE APPROACH SLAB/ABUTMENT (OR AN INTERMEDIATE POINT DETERMINED BY THE ENGINEER), AND A MINIMUM OF 75 FEET FROM A VERTICAL PLANE OF THE NEAREST OUTER FACE OF THE BRIDGE OVERPASS.
- NO OVERLAY OR MILLING SHALL BE PERMITTED ON THE BRIDGE DECK WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DISTRICT BRIDGE ENGINEER.

TRANSITION RATE						
RATE (FT/INCH)	POSTED SPEED MPH					
	25	35	45	55	70	
	20	25	35	40	45	50

TEMPORARY WEDGE DETAIL

TEMPORARY PAVEMENT WEDGE SHALL BE CONSTRUCTED OF SURFACE MIX ASPHALT A MINIMUM OF 3 FEET IN LENGTH FOR EVERY INCH OF DEPTH OF PAVEMENT MILLING.

SINGLE COURSE OVERLAY TRANSITION GEOMETRY
(NOT TO SCALE)

* BRIDGE DECK OR PROJECT TERMINI

TWO COURSE OVERLAY TRANSITION GEOMETRY
(NOT TO SCALE)

THREE COURSE OVERLAY TRANSITION GEOMETRY
(NOT TO SCALE)

SPECIFICATION REFERENCE
210
315
515

ASPHALT CONCRETE OVERLAY TRANSITION

VIRGINIA DEPARTMENT OF TRANSPORTATION

VDOT	
ROAD AND BRIDGE STANDARDS	
REVISION DATE	SHEET 1 OF 1
7/11	305.01

Contract Changes for 2012

New Work Area Protection Manual and MUTCD:

- The 2011 edition of the *Virginia Work Area Protection Manual* and the 2009 edition will be effective with all projects advertised after January 1, 2012.
- Since the vast majority of Asphalt Schedules will be advertised prior to January 1, 2012, the 2005 edition of the *Virginia Work Area Protection Manual* and the 2003 edition of the *MUTCD* will still be in effect for the 2012 Asphalt Schedules with modifications made to the specifications to account for relevant changes required in the new editions.

END OF PRESENTATION