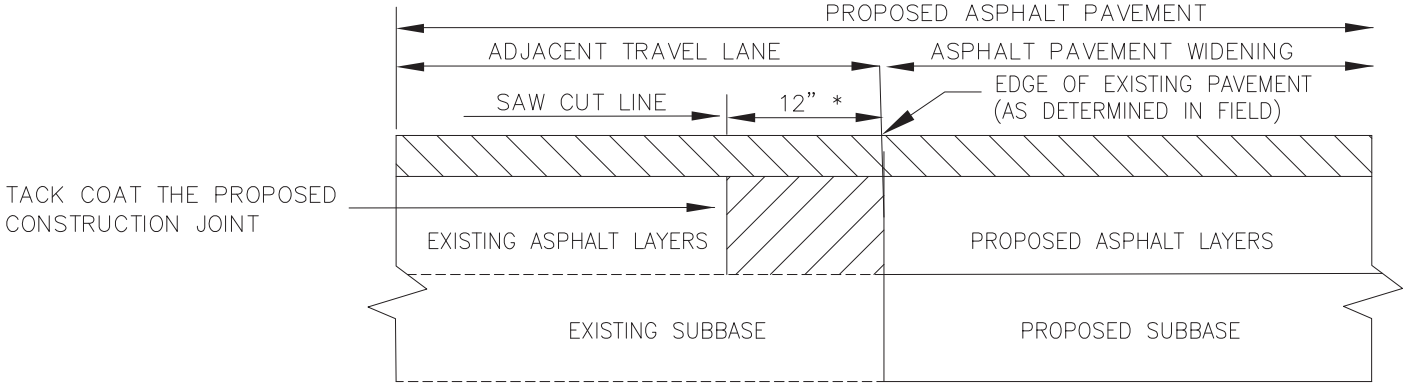

CONSTRUCTION JOINT DETAIL

SAW CUT TO REMOVE EXISTING ASPHALT LAYERS TO EXISTING SUBBASE AND REPLACE WITH PROPOSED ASPHALT WIDENING LAYERS (SEE NOTE 2)

PROPOSED MINIMUM 2 INCH THICK ASPHALT COURSE (SEE NOTE 5)

* PROPOSE MINIMUM 12 INCHES OR GREATER AS NECESSARY TO ABUT THE FULL THICKNESS OF EXISTING ASPHALT LAYERS AS DETERMINED BY CORES (SEE NOTE 3)

NOTES:

1. ASPHALT PAVEMENT WIDENING SHALL HAVE A PAVEMENT DESIGN IN ACCORDANCE WITH SECTION 2.26 OF THIS MANUAL AND BE APPROVED BY THE CONSTRUCTION ENGINEER.
2. THE PAVEMENT DESIGN FOR THE ASPHALT PAVEMENT WIDENING SHALL MEET OR EXCEED THE DEPTHS AND TYPES OF THE LAYERS OF THE EXISTING PAVEMENT. SUBSURFACE DRAINAGE OF THE EXISTING AND PROPOSED PAVEMENT SHALL BE ADDRESSED IN THE PAVEMENT DESIGN.
3. A MINIMUM OF THREE CORES SHALL BE TAKEN ALONG THE CENTER OF THE ADJACENT TRAVEL LANE TO DETERMINE THE TYPE AND THICKNESS OF EXISTING LAYERS. THESE CORES SHALL BE SPACED NO MORE THAN 500 FEET APART. CORED HOLES SHALL BE REPAIRED IN ACCORDANCE WITH VDOT SPECIFICATIONS.
4. THE ADJACENT TRAVEL LANE SHALL BE MILLED A MINIMUM DEPTH OF 2 INCHES AND REPLACED WITH AN ASPHALT SURFACE COURSE TO MATCH THE PROPOSED PAVEMENT WIDENING SURFACE COURSE, UNLESS WAIVED BY THE ENGINEER.
5. THE CONSTRUCTION ENGINEER MAY REQUIRE THE MILLING DEPTH OF THE EXISTING PAVEMENT TO BE ADJUSTED TO ACHIEVE AN ACCEPTABLE PAVEMENT CROSS SLOPE AND EFFECTIVE SURFACE DRAINAGE.
6. EXISTING PAVEMENT MARKINGS AND MARKERS WITHIN THE PROJECT LIMITS SHALL BE RESTORED SUBJECT TO THE APPROVAL OF THE TRAFFIC ENGINEER.
7. FINAL TRANSVERSE PAVEMENT TIE-IN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 315.05(C) OF VDOT SPECIFICATIONS EXCEPT THAT ALL JOINTS AT TIE-IN LOCATIONS SHALL BE TESTED USING A 10 FOOR STRAIGHTEDGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 315.07(c) OF VDOT SPECIFICATIONS. THE VARIATION FROM THE TESTING EDGE OF THE STRAIGHTEDGE BETWEEN ANY TWO CONTACT POINTS WITH THE PAVEMENT SURFACE SHALL NOT EXCEED 1/4"
8. OVERLAY THE EXISTING PAVEMENT AS SHOWN IN THE CONSTRUCTION JOINT DETAILS.
9. A STRAIGHT PERPENDICULAR CONSTRUCTION JOINT SHALL BE PROVIDED AT ALL LOCATIONS WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT.
10. THE AREA OF PAVEMENT SHALL BE TRENCHED TO THE SUBGRADE AND COMPACTED PER VDOT SPECIFICATIONS SURFACE OF WIDING AREA SHALL BE FLUSH WITH THE SURFACE OF EXISTING PAVEMENT PRIOR TO MILLING AND OVERLAY. MILLING OF NEW AND EXISTING PAVEMENT MAY BE REQUIRED TO ACHIEVE ACCEPTABLE PAVEMENT CROSS-SLOPE AND PAVEMENT DRAINAGE.
11. SAWCUT FULL DEPTH OF ASPHALT PAVEMENT IS TO BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN OTHER PAY ITEMS.
12. OVERLAY THE ENTIRE AREA OF THE NEW AND EXISTING PAVEMENT WITH A MINIMUM OF 220 LBS/SQ YD OF ASPHALT CONCRETE.

ASPHALT PAVEMENT WIDENING

FOR WIDENING SUBJECT TO TRAFFIC
County of Henrico
Department of Public Works

SEPTEMBER 1, 2021

C-34.DWG