

## FY2015 Contract Seal Coat Guidelines

This guidance is to supplement the Engineering Policy Guide Section 409 requirements.

- **Plans, Specifications and Estimate**

- Plan templates are located in ProjectWise in the design seed files:

SEAL\_COAT\_01\_Title\_07\_2014  
 SEAL\_COAT\_02\_Typical\_07\_2014  
 SEAL\_COAT\_03\_Quantities\_07\_2014  
 SEAL\_COAT\_04\_TC\_07\_2014  
 SEAL\_COAT\_05\_TC\_07\_2014  
 SEAL\_COAT\_06\_TC\_07\_2014

The ADT of the routes should be listed in the left top corner of the Title sheet. This information is used by the Project Reviewer to set the liquidated damages and is also beneficial to the contractor to be aware of the amount of traffic on the route.

- Selection guidance on the aggregate grade of seal coat will be as follows:

The type of bituminous material and grade of liquid asphalt is selected by the contractor. Differing aggregate qualities are available and specified according to the roadway traffic. Grade C is used only on roads with AADT < 750. Grades B1 and B2 are used on two-lane, two-way roads with AADT < 1700, and divided roads with AADT < 3500. Grades A1 and A2 are used on two-lane, two-way roads with AADT < 3500, and divided roads with AADT < 14,000. Grade C is used for all shoulder applications. Grades A1 and B1 are coarse (3/8") aggregate seals and should be used on pavement surfaces with minor distresses and Grades A2 and B2 are fine (1/4") aggregate seals and should be used on pavement surfaces with little to no distresses. To improve the perception of the driving public, Sec 409 requires the finished seal coat to have a dark appearance. See EPG 751.1.3.6 Asphalt Wearing Surface for guidelines on aggregate grade selection for bridges.

A seal coat placed on a porous surface such as an aggregate base should receive a prime coat.

- The JSP template is located in [EPG 409 Seal Coat Program](#).
- Any surface irregularities will be accounted for by adjusting the application rate in the field per the direction of the Engineer. No additional quantities should be accounted for in the plans.
- **STRIPING:** Striping is to be performed by MoDOT. The district will need to coordinate with the striping crews to have the stripe completed within 14 days after the seal coat is completed.

The district will verify that the existing passing zones are correct.

Routes that have an existing edgeline, will need to include quantities for Type 1 Temporary Raised Pavement Markers for the edgeline in addition to the centerline marking.

- The contract time will need to be specified in the [Contract Liquidated Damages](#) JSP. The general rule is two (2) calendar days for every one (1) working day with a minimum of 30 calendar days

unless the district has justification for a tighter time frame due to impacts to the traveling public. Calendar days for each route should be included in the PS&E submittal.

Recommended Completion Date: October 1, 2015

- **Bridges:** Bridges should be excepted unless prior written approval is obtained from the Bridge Division and submitted with the transmittal package.

<b>MoDOT STRIPING (PILOT CAR)</b>	
<b>Item No.</b>	<b>Description</b>
4091048	Emulsified Asphalt, Seal Coat
40940XX	Seal Coat Aggregate, Grade A1, A2, B1, B2, or C
6161005	Construction Signs
6161009	Flag Assemblies
6161025	Channelizers (Trim Line)
6208064	Temporary Raised Pavement Marker, Type 1

**Note: Do not include Mobilization**