**TO:** Aaron Groff - SLde

**FROM:** Jason Blomberg - COcm

**DATE:** January 22, 2020

**SUBJECT:** J6P3274\_MO100\_St. Louis County

Pavement Type Selection

Project Description:

This project involves pavement recommendations on MO 100 from Rte 141 east to Des Peres Road in St. Louis County. The ADT is approximately 45,000 vehicles a day with 3000 trucks.

Pavement History and Existing Conditions

This section of Rte 100 primarily consists of a composite pavement with 4 to 10-inches of asphalt over concrete with various widenings and thicknesses throughout the multi-lane facility. The primary distresses on the route is the aging and raveling of the existing UBAWS surface. Pavement cores taken from the roadway indicated semi-stable to stable material under the UBAWS resurfacings from 2006 and 2011, J6D0600H and J6S3154, respectively. Most of this project is in curb-n-gutter section, but some shoulders repairs may be required along with the mainline treatment.

Pavement Recommendations

Based upon the general condition of the pavement cores and the current observed distresses, the following treatment is recommended.

|  |  |  |
| --- | --- | --- |
| **Location** | **Mainline Treatment** | **Shoulder Treatment** |
| MO 100  (Typical) | Mainline Treatment:  Coldmill 1 ½” and Replace with:  1 ½” SP095CLP w/ PG 76-22 | Same as mainline where applicable. |

Pavement Repair

Some Class C Partial Depth Repairs may be required as evaluated by the project office. This may require milling +/- 6-inches and replacing with SP190 or SP250 base mixtures prior to the mill/fill treatment.

Please contact me at (573) 526-4338 if you have any further questions.

jb