

SPECIAL PROVISION

**PROJECT #
PIN #**

SECTION 02742S

PROJECT SPECIFIC SURFACING REQUIREMENTS

Add Section 02742:

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Required PG Asphalt Binder or emulsion
- B. Required minimum asphalt binder content for SMA mixes
- C. Number of gyrations (N_{values}) to use for Superpave Mix Design
- D. PCCP Pavement Texture Type
- E. Acceptance criteria for pavement smoothness

1.2 RELATED SECTIONS Not Used

1.3 REFERENCES Not Used

1.4 DEFINITIONS

- A. Category 1 Pavements
 - 1. Newly constructed pavement surfaces having two or more opportunities for improving ride.
- B. Category 2 Pavements
 - 1. Newly constructed pavement surfaces without two or more opportunities for improving ride.
- C. Opportunity to Improve Ride
 - 1. Placing Granular Borrow, Untreated Base Course, Treated Base Course, Open-Graded Surface Course (OGSC), Bonded Wearing Course (BWC), Stone Matrix Asphalt (SMA), Cold-In-Place Recycling, Hot-In-Place Recycling, and each lift of paving.

2. Rotomilling greater than 1.5 inches in depth.
3. Lane leveling is not considered an opportunity to improve ride.

Adjust the above definitions to fit project needs. Delete this paragraph.

1.5 SUBMITTALS Not Used

1.6 ACCEPTANCE

A. Pavement Smoothness Incentives/Disincentives.

Table 1

Incentives and Disincentives for Category 1 Pavements		
MRI Range (inches/mile by pavement section)	Dollars/Pavement Section	
	Asphalt Pavements	Portland Cement Concrete
≤ 40.0	\$500	\$1000
40.1 - 50.0	\$250	\$500
50.1 – 60.0	\$125	\$250
60.1 – 70.0	0	0
70.1 – 80.0	-\$125	-\$250
80.1 – 90.0	-\$250	-\$500
>90.0	Corrective Action	

Table 2

Incentives and Disincentives for Structure Sections	
MRI Range (inches/mile by structure section)	Dollars/Structure Section
≤ 40.0	\$1000
40.1 - 50.0	\$500
50.1 – 60.0	\$250
60.1 – 70.0	0
70.1 – 80.0	-\$250
80.1 – 90.0	-\$500
>90.0	Corrective Action

B. Localized Roughness Limits

Table 3

Localized Roughness Limits	
Roadway	IRI w/base length of 25 ft. (in./mile)
Interstate including ramps	≤ 190
Bridge decks, approach slabs & transitions, manholes and valves	≤ 250
Non-interstate	≤ 190
Urban roadways with speed limits less than 45 mph	≤ 190
Shoulders and Bike Lanes	≤ 250 (single profile)

C. Percent Improvement Incentives/Disincentives

Table 4

Category 2 Pavements	
% Improvement per Pavement Section	Incentive/Disincentive Dollars/Pavement Section
≥60	\$500
50 to 59.9	\$250
40 to 49.9	\$125
30 to 39.9	0
20 to 29.9	-\$250
<20.0	Corrective Action

Adjust the above tables to fit project needs. Delete this paragraph.

PART 2 PRODUCTS

2.1 MIXES

A. Hot Mix Asphalt (HMA): (Refer to bid item for size)

1. PG _____ Asphalt
2. N_{initial} _____ N_{design} _____ N_{final} _____

- B. Stone Matrix Asphalt (SMA):
 - 1. Minimum Asphalt Binder content _____ as a percentage of the total mix.

- C. Open-Graded Surface Course:
 - 1. PG _____ Asphalt

- D. Bonded Wearing Course
 - 1. Gradation Type: _____
 - 2. Asphalt Binder: PG _____
 - 3. Minimum Thickness: _____
 - 4. PMEM Application Rate: _____

- E. Chip Seal
 - 1. Type of Asphalt Emulsion _____
 - 2. Flush Coat Emulsion _____

PART 3 EXECUTION

3.1 TEXTURE

- A. PCCP Pavement Texture
 - 1. Texture Type _____

END OF SECTION