



NOTES TO THE DESIGNER

JUNE 2, 2022

General Information

Over the past several years, EFLHD Division was involved with the design and management of Pavement Preservation (PVT PRES) projects. Based on the past experience with this type of projects and the feedback received from Construction and Partners, the PVT PRES Improvement Team recommended the creation of a library of typical sections to be used in the current and future PVT PRES projects. To maintain a consistent set of plans for this type of projects, Highway Design created three (3) types of typical sections that the designers can use depending on the type of treatment selected for their projects:

- B01 – Typical Sections for Chip Seal,
- B01 – Typical Sections for Micro Surfacing, and
- B01 – Typical Sections for Thin-Lift Asphalt Overlay

The Highway Design has also created two (2) typical sections for ACP patching and asphalt pavement milling and overlay in parking areas that are typically performed in this type of projects:

- B02 – Typical Sections for Asphalt Concrete Pavement Patching
 - B03 – Typical Sections for Asphalt Pavement Milling and Overlay in Parking Areas
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Guidance for selecting the typical sections to include in the plans

Prior to selecting the typical sections to be include in the plans, the designers are encouraged to read the Asphalt Pavement Memo or consult with Pavements Branch for the type of pavement preservation treatment that has been proposed for their project.

Include the appropriate variation of “B01-Typical Sections” depending on the type of pavement preservation treatment required for the project:

- Use the Chip Seal Typical Sections variation when a chip seal course is applied (Typically when the 407-chip seal pay items are used).
- Use the Micro Surfacing Typical Sections variation when a polymer-modified micro surfacing mix is applied (Typically when the 409-micro surfacing pay items are used).
- Use the Thin-Lift Asphalt Overlay Typical Sections variation when 401, 402 or 431 pay items are used.

Include B02-Typical Sections for pavement patching on all PVT PRES projects (Typically when 418 pay items are used).

Include B03-Typical Sections only when asphalt pavement milling and overlay are being performed in parking areas.

Typical Pay Item Used

The following are the typical pay items used in previous PVT PRES projects. The Designer should refer to the Pavement Memo or consult with Pavements Branch for the appropriate pay items for the project.

- **40101-0080** ASPHALT CONCRETE PAVEMENT, GYRATORY MIX, NO. 4 SIEVE NOMINAL MAXIMUM SIZE AGGREGATE, <0.3 MILLION ESAL*
- **40101-0100** ASPHALT CONCRETE PAVEMENT, GYRATORY MIX, 3/8-INCH NOMINAL MAXIMUM SIZE AGGREGATE, <0.3 MILLION ESAL*
- **40102-0100** ASPHALT CONCRETE PAVEMENT, GYRATORY MIX, 3/8-INCH NOMINAL MAXIMUM SIZE AGGREGATE, WEDGE AND LEVELING COURSE
- **40201-0100** ASPHALT CONCRETE PAVEMENT, MARSHALL MIX, CLASS A*
- **40702-0300** CHIP SEAL, TYPE 1C
- **40702-1200** CHIP SEAL, TYPE 2B
- **40901-2000** MICRO SURFACING, TYPE 2
- **41301-0000** ASPHALT PAVEMENT MILLING
- **41801-1000** ASPHALT CONCRETE PAVEMENT PATCH, TYPE 1
- **41801-2000** ASPHALT CONCRETE PAVEMENT PATCH, TYPE 2
- **41801-3000** ASPHALT CONCRETE PAVEMENT PATCH, TYPE 3
- **42001-0000** PAVEMENT PRESERVATION TREATMENT
- **43101-0000** THIN LIFT ASPHALT CONCRETE PAVEMENT

(*) When these pay items are used for the “Thin-Lift Asphalt Overlay”, the supplemental Descriptor “(THIN-LIFT ASPHALT OVERLAY)” is typically added to the pay item name.