



APAI COMMUNITY CROSSINGS GUIDE FOR ASPHALT PROJECTS



**Purdue Road School
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OVERVIEW OF GUIDE

- The “Need”
- Indiana Code Requirements
- Asset Management Plan
- APAI Documents
 - Asphalt Design & Construction Guide
 - Bid Form Template
 - Sample Advertisements for Bids
 - Sample Award Procedure
 - Contract Template
- Endorsed by INDOT and LTAP



ONLINE GUIDE

WWW.ASPHALTINDIANA.ORG



TECHNICAL TAB



COMMUNITY CROSSINGS

DESIGN AND CONSTRUCTION BEST PRACTICES



DESIGN BEST PRACTICES

Mixture Specification

- Align with current INDOT Standard Specs
- Mixture Designation
 - Type B or C depending on ESALs
 - PG binder grade
 - HMA, Type B, 64, Surface, 9.5mm
- Recycled content
 - Maximum binder replacement = 25%



CONSTRUCTION BEST PRACTICES

Subgrade and Subbase

- Subgrade uniformly compacted
 - Proof roll to check stability
- Aggregate subbase compacted & smooth
- Roadway properly graded



Milling

- Mill to sound surface
- Patch and crack repair
- Clean surface – no dust or debris



CONSTRUCTION BEST PRACTICES

Tack Coat

- Uniformly applied across lane width
 - No streaking or ponding
- Time to break and set



Mixture Placement

- Minimize segregation
- Smooth finished mat
- Temperature requirements



CONSTRUCTION BEST PRACTICES

Compaction

- Most critical part of asphalt installation
- Establish rolling pattern
 - Initial breakdown when HOT
- Proper roller operation techniques
- Lift thicknesses





Thank you!

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