



Form 20 Mix Design Requirements v. 2021

Agency: _____ Date: _____

Project: _____

Details: _____ APM (tons): _____
(To / From, Length)

Classification Arterial Collector Local Other _____

APM Placement Wearing course Intermediate lift Bottom lift Patching

ASPHALT MIX DESIGN

- Design / Traffic** N_{design} = 50 gyrations <100,000 ESALs
 N_{design} = 75 gyrations ≥100,000 to <3 million ESALs
- Binder** PG 58-28 PG 64-22 PG 76-28 (Top lift only)
- | | <u>Minimum Lift (3x)</u> | <u>Maximum Lift (5x)</u> |
|-------------------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> ST (3/8") | 1 1/8" | 2 1/4" |
| <input type="checkbox"/> SX (1/2") | 1 1/2" | 2 1/2" |
| <input type="checkbox"/> S (3/4") | 2" | 4 1/4" |
| <input type="checkbox"/> SG (1") | 3" | 5" |
| <input type="checkbox"/> SMA (1/2") | 1 1/2" | 2 1/2" |
| <input type="checkbox"/> SMA (3/4") | 3" | 4 1/4" |
- Anti - Strip** Liquid Lime

BEST PRACTICES to include in Mix Design

- RAP** 25% 35% (Grading SG only)
- WMA** Additive Foaming

AGENCY EXCEPTIONS

- No RAP in wearing course**
 No RAP allowed in mixture
- No WMA allowed in mix**