

# QUICK REFERENCE GUIDE

## ASPHALT BID/MIX SPECIFICATIONS

### STEP 1

#### Asphalt Mix Gradation (Nmas)

<b>1</b>	37.5 mm	<b>4</b>	12.5 mm
<b>2</b>	25.0 mm	<b>5</b>	9.5 mm
<b>3</b>	19.0 mm	<b>6</b>	4.75 mm

### STEP 2

#### Traffic Level Classification

<b>LT</b>	Low Volume (<2 Million ESALs)
<b>MT</b>	Medium Volume (2-8 Million ESALs)
<b>HT</b>	High Volume (>8 Million ESALs)

### STEP 3

#### Asphaltic Binder Grades

58-28  
58-34\*

### STEP 4

#### Binder Designation

<b>S</b>	Standard
<b>H</b>	Heavy
<b>V**</b>	Very Heavy
<b>E***</b>	Extremely Heavy

#### LOWER LAYERS:

58-28 S

#### OVERLAYS:

58-28 S, H, or V\*\*

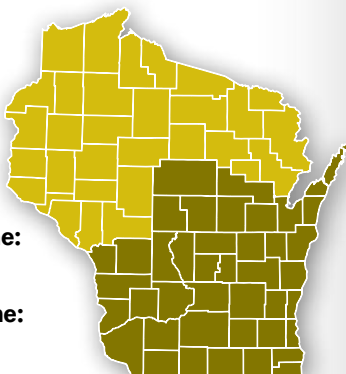
#### UPPER LAYERS:

##### Southern Asphalt Zone:

58-28 S, H, or V\*\*

##### Northern Asphalt Zone:

58-34 S, H, or V\*\*



\* New construction, reconstruction, and pavement replacement projects (Northern Zone-Upper Layer Only)

\*\* V binder designation is to be used on >8 Million ESAL projects with slow moving traffic and SMA projects

\*\*\* E binder designation is to be used on >30 Million ESAL projects

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## ASPHALT BID/MIX SPECIFICATIONS

### MIX TABLE:

Current "E" Mixes	ESAL Level (20 years)	New Classification	ESAL Level (in millions)
E-0.3	< 300,000	LT	Light Traffic < 2 M
E-1*	300,000 to < 1,000,000		
E-3	1,000,000 to < 3,000,000	MT	Medium Traffic 2 M – 8 M
E-10*	3,000,000 to < 10,000,000		
E-30	10,000,000 to < 30,000,000	HT	Heavy Traffic > 8 M
E-30X*	≥ 30,000,000		
SMA	—	SMA	Consider ≥ 5 M

\* E-1, E-10, E-30X retired

**STEP 1:** Select the Nmas gradations for your project

**STEP 2:** Select the traffic level (based on ESALs)

**STEP 3:** Select the asphaltic binders  
(based on project location)

**STEP 4:** Select the binder designation level

**STEP 5:** Repeat steps for any additional layers

### BID ITEM EXAMPLE:

**3 LT 58-28 S**

↓      ↓      ↓      ↓

Gradation    Traffic    Asphaltic    Binder  
Nmas Size    Level    Binder Grade    Designation

### EXAMPLE EXPLANATION:

**GRADATION:** 19.0 mm

**TRAFFIC:** Light Traffic <2 Million ESALs

**ASPHALTIC BINDER GRADE:** 58-28

**BINDER DESIGNATION:** S (standard)