

## Suggested Guidelines

### Asphalt Concrete Pavement for City or Urban Streets and for Parking Lots

Asphalt Concrete mixes shall be Type 3 for Binder and Wearing Courses. All materials, design and construction methods shall conform to the requirements of Sections 501, 503, 504, 505, 1002 and 1003 of the Louisiana Standard Specifications for Roads and Bridges, 2000 edition except as modified herein.

**Type 3-Binder Course** shall be either  $\frac{1}{2}$ ,  $\frac{3}{4}$  or 1" Nominal Aggregate size. The aggregate size will be at the option of the contractor unless the specified by the Contract Special Provisions. Once a size is chosen, the contractor must not change sizes unless approved by the engineer. Reclaimed Asphalt Pavement (RAP) will be allowed in all Binder Courses up to a maximum of 30%. Mixes containing 0-20% RAP shall use PG64-22 (AC-30) Asphalt Cement and mixes containing over 20% up to 30% shall use PG58-28 (AC-10) Asphalt Cement.

**Type 3-Wearing Course** shall be  $\frac{1}{2}$  Nominal Aggregate Size. At the option of the contractor, RAP will be allowed up to a maximum of 15%. The Asphalt Cement shall be Grade PG64-22 (AC-30) unless otherwise specified.

**Surface Tolerance** shall be in accordance with Section 501.10(a)(1)(c) and tested with an approved 10-foot metal static straightedge. Surface deficiencies for the final Wearing Course over  $\frac{1}{4}$ " shall be corrected. Use of the California Profilograph will not be used unless specified by the contract Special Provisions.

**The Material Transfer Device (MTV)** will not be used unless specified by the Contract Special Provisions or approved by the engineer.

**The Restricted Zone Boundary Requirements** will be waived for these applications unless specified by the Contract Special Provisions

## Mix Table

US Sieve Size	½ Nominal Size	¾ Nominal Size	1" Nominal Size	Tolerances
1-1/2"			100	±6
1"		100	90 – 100	±6
¾"	100	90 - 100	89 Max.	±6
½"	90 - 100	89 Max.		±6
3/8"	89 Max.			±6
#4				±6
#8	28 - 58	23 – 49	19-45	±5
#16				±3
#30				±3
#50				±3
#100				±2.0
#200	2.0 – 10.0	2.0 – 8.0	1.0 – 7.0	±2.0
Extracted AC				±0.4
Mix Temp.				±25
% Crushed				
<b>Marshall Stability</b>	<b>75 Blow Design</b>	<b>75 Blow Design</b>	<b>75 Blow Design</b>	
<b>Design</b>	1700	1700	1700	
<b>Minimum</b>	1500	1500	1500	
<b>Individual</b>	1300	1300	1300	
<b>Flow 1/100"</b>	6 – 15	6 – 15	6 – 15	
<b>% Air Voids</b>	3 – 5	3 – 5	3 – 5	
<b>% VFA</b>	*	*	*	
<b>%VMA</b>	14.0	13.0	12.0	

\* % VFA is for information purposes only.