

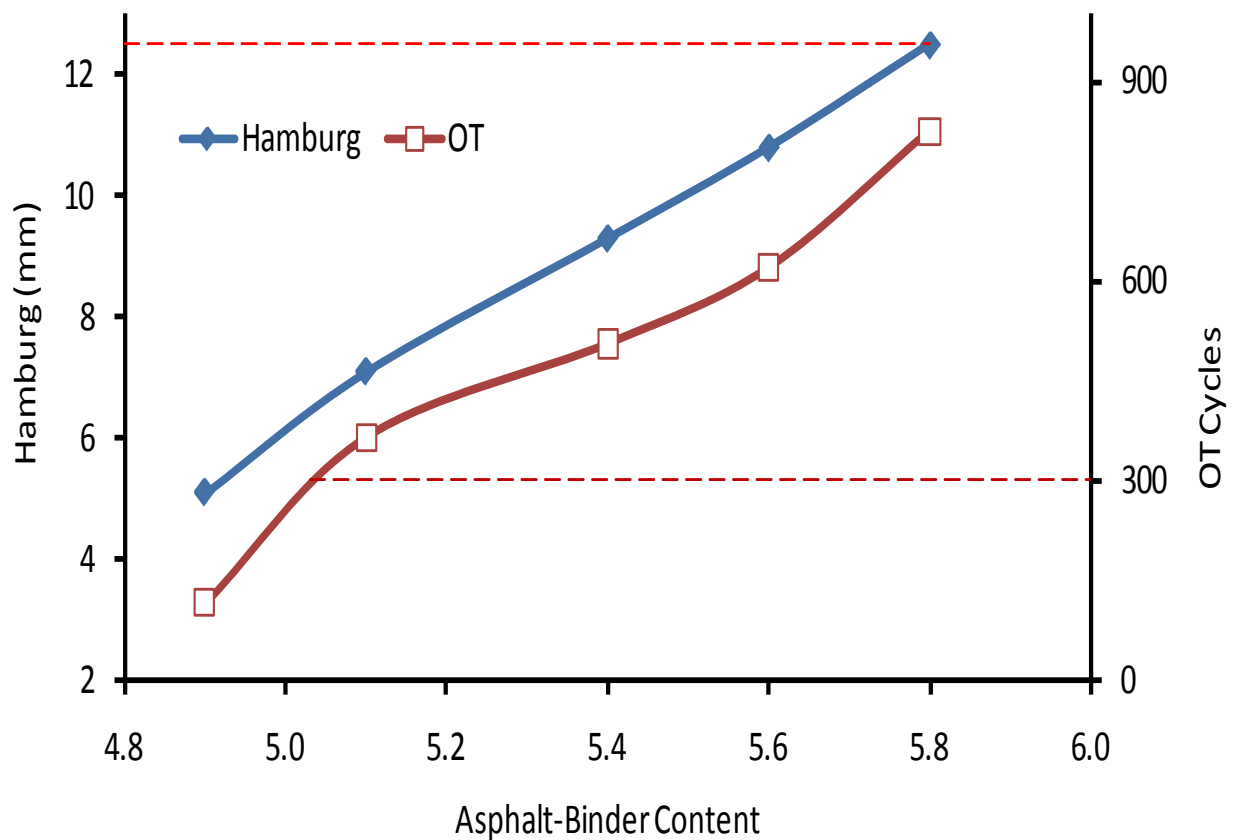
CHILDRESS

1) TYPE D MIX, WITH 20% FRACTIONATED RAP - ORIGINAL

Asphalt-binder: PG 58-28 (with Granite/Trap-rock aggregates)
 Aggregate-blend: 11% ½" -Rock + 39% 5/16" -Rock + 28% Screenings + 20% RAP + 2% Lime
 RAP: 13% Coarse + 7% Fine
 Anti-strip: Hydrated lime (2%)

Summary of Lab Results

OAC	Corresponding TGC Lab Density	VMA	Hamburg (≤ 12.5 mm after 10 k)	Overlay (cycles)	Comment
4.9%	96.0%	15.3	5.1 mm	117	Raw materials molded in TTI lab
5.1%	96.5%	15.3	7.1 mm	366	
5.4%	97.0%	15.5	9.3 mm	506	
5.6%	97.5%	15.5	10.8 mm	620	
5.8%	98.0%	15.6	12.5 mm	825	



2) TYPE D MIX, WITH 20% FRACTIONATED RAP – MODIFICATION 01

Asphalt-binder: PG 64-22 (with Granite/Trap-rock aggregates)
Aggregate-blend: 11% ½" -Rock + 39% 5/16" -Rock + 28% Screenings + 20% RAP + 2% Lime
RAP: 13% Coarse + 7% Fine
Anti-strip: Hydrated lime (2%)

Summary of Lab Results

OAC	Corresponding TGC Lab Density	VMA	Hamburg (≤ 12.5 mm after 10 k)	Overlay (cycles)	Comment
4.9%	96.0%				Raw materials molded in TTI lab
5.1%	96.5%				
5.4%	97.0%				
5.6%	97.5%				
5.8%	98.0%				

Proposed Modifications and Recommendations in order of **PRIORITY** for the TTI Section:

- 1) Go with 5.1% OAC @ 96.5% TGC – Done!
- 2) Change to PG 64-22 – Done!
- 3) Change the aggregate gradation (see attached example).
 - a. Increase Coarse RAP and the ½"-Rock.
 - b. Reduce Screenings, Fine RAP, & 5/16"-Rock.
- 4) Change to higher PG grad to PG 64-28.