

SEP-11-2006 MON 02:07 PM Lakeside Industries

FAX NO. 4253132622

P. 01

SEP-11-2006 11:37 AM WSDOT MATERIALS LAB

360 708 6576

P. 02

Washington State Department of Transportation - Materials Laboratory
PO Box 4730 Olympia / 1655 S 2nd Ave. Tumwater / WA 98504
BITUMINOUS SECTION MIX DESIGN VERIFICATION REPORT

TEST OF: HMA CLASS: 12"
DATE SAMPLED: 7/23/2006
DATE RECD: 8/7/2006
SR NO:
SECTION: LEXINGTON BRIDGE

WORK ORDER NO: TA2416
LAB ID NO: 060020913
TRANSMITTAL NO: 205313
MIX ID NO: G61714
CONTRACTOR: LAKESIDE

VALID FOR 2006
CONTRACTOR'S MIX DESIGN TEST DATA

	4.9	5.3	5.9	Specifications
Pb	4.9	5.3	5.9	≤ 91.5
% Clean QNdx: 8	84.4	85.8	87.6	Approximate 4.0
% Va QNdx: 100	5.2	4.0	2.0	≥ 14.0
% VMA QNdx: 100	14.7	14.5	14.0	65 - 78
% VFA QNdx: 100	65	73	86	≤ 98.0
% Comp QNdx: 160		97.3		0.6 - 1.0
D/A	1.5	1.4	1.2	
Pb	4.0	4.4	4.9	
Qmb	2.611	2.596	2.574	
Qmb	2.438	2.492	2.523	
Qb	1.036	1.036	1.036	
Qc	2.811	2.82	2.83	

CONTRACTOR'S MIX DESIGN TEST DATA
STATE MATERIALS LABORATORY VERIFICATION TEST DATA

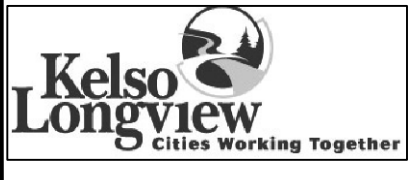
	4.8	5.3	5.9	Specifications	Tolerance
Pb	4.8	5.3	5.9	≤ 91.5	± 0.5%
% Clean QNdx: 8	84.1	86.2	87.3	Approximate 4.0	2.5 - 5.5
% Va QNdx: 100	6.3	3.9	2.6	≥ 14.0	
% VMA QNdx: 100	14.6	14.2	14.3	65 - 78	
% VFA QNdx: 100	73	73	82	≤ 98.0	
% Comp QNdx: 160		97.4		0.6 - 1.0	
D/A	1.7	1.4	1.2		
Pb	1.5	4.3	4.8		
Qmb	2.611	2.617	2.594		
Qmb	2.438	2.517	2.427		
Qb	1.036	1.036	1.036		
Qc	2.811	2.862	2.858		

VERIFIED
STRIPPING EVALUATION

	0.0%	0.08%	0.17%	0.33%	0.50%
% Anti-Strip:	NONE	NONE	NONE	NONE	NONE
Visual Stripping:	82	93	96	100	95
% Retained Strength:					

NON-STATISTICAL
STATE MATERIALS LABORATORY RECOMMENDATIONS

Asphalt Binder Supplier	EXXON/MOBI	Remarks:
Asphalt Binder Grade	PG64-22	
Percent Binder (Pb) (By Wt. Total Mix)	5.3	
% Anti-Strip (By Wt. Aggregate)	0.00	
Type of Anti-Strip		
Mix ID Number	G61714	
Sample Wt. (grams)	4970	(Informational Only)
Sample Height (mm)	115.0	(Informational Only)
Ignition Calibration Factor	0.76	(Informational Only)
Optimum Mixing Temperature	311°F	
Compaction Temperature	291°F	
Rice Density (lb/ft ³)	162.9	



SUBMITTAL PROCEDURES (25 OF 28)

STANDARD PLAN:
PN - 034 - L
DATE: FEB. 2008

CITY ENGINEER APPROVAL:
Longview: C.B.
Kelso: