

HIGHWAY RESEARCH CIRCULAR

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COMMITTEE ACTIVITY
Committee MC-A7
Bituminous Aggregate Bases
Highway Research Board

SUMMARY OF USES BY STATES OF
SAND ASPHALT HOT MIXES (SAHM)

Foreword

This report is a summary of results of a questionnaire circulated to the States and concerns the use of sand asphalt hot mix base course materials and surfacing. The tabulation indicates the interest of the different states in this type of base course and the methods of tests used for evaluation of these mixes. The committee on Bituminous Aggregate Bases gratefully acknowledges the work of the Florida State Road Department and Mr. W. Gartner Jr., Division of Research, in assembling this information, and for permitting its use by the Committee.

The extensive use of sand asphalt bases and surfaces indicates the efforts of the state highway departments in the advantageous use of local materials.

SUMMARY OF USES BY STATES OF SAND ASPHALT HOT MIXES (SAHM)
 Compiled by Florida State Road Department, Division of Research
 (January 1965)

	Roadway				Shoulder	
	Base		Surface		Base	Surface
Is SAHM Used for:	Yes 13		Yes 14		Yes 12	Yes 8
	No 28		No 27		No 29	No 33
State reporting	MARSHALL STABILITY VALUES REQUIRED OR NORMALLY OBTAINED					
	Roadway				Shoulder	
	Base		Surface		Base	Surface
Delaware	Required 400	ADT 3000	Required 400	ADT 1000		
Kentucky			Required 250+	Any		
Maryland	Required 250 Plant Mixed	No Limit			Required 250 Plant Mixed	
Pennsylvania			Required 1000	No Info.		Required 1000 Up to 1/2" thick
Virginia	Required 400	No Limit	Required 1000	No Limit	Required 500	Required 1000
South Carolina	200 to 500	Varies			200 to 500	
Washington D.C.			Normally Ob- tained 300 to 500	No Limit		
South Dakota	Normally Ob- tained 200 to 500	100 18 K	Normally Ob- tained 200 to 500	100 18K	Normally Ob- tained 200 to 500	Normally Ob- tained 200 to 500
	HVEEM STABILOMETER VALUES REQUIRED OR NORMALLY OBTAINED					
Arizona	Required 16	ADT 300	Required 16	ADT 50	Required 16	Required 16
Colorado	Required 90	5000 in 20 yrs.	Required 90	5000 in 20 yrs.	Required 90	Required 90
Maine	Required 25 Crushed Stone Added	No Limit			Required 25 Crushed Stone Added	
Nevada	Normally Ob- tained 35 to 55	No Limit	Normally Ob- tained 35 to 55	No Limit	Normally Ob- tained 35 to 55	Normally Ob- tained 35 to 55
Oklahoma	Required 4 1/2" in ACSC 20 for top lift	No Info.			Required 20 for top lift	
Texas	Required 20	No Info.			Required 20	
	HUBBARD FIELD STABILITY REQUIREMENTS					
Georgia	Required 1000	Low ADT	Required 1000	Low ADT		
	NO STABILITY REQUIREMENTS					
Kansas	Uses Tri- Axial Test		Tri-Axial Test		Tri-Axial Test	Tri Axial Test
New Hampshire			Resurfacing only			
Wisconsin					2" Bituminous SC 6" SAHM Cement Stab. Sand	
Wyoming			Used only where No C.A. available			

COMMITTEE MC-A7
BITUMINOUS AGGREGATE BASES

Paul J. Serafin
Chairman
Michigan State Highway Department
Ann Arbor, Michigan

- K.O. Anderson, Associate Professor, Department of Civil and Municipal Engineering, University of Alberta, Edmonton, Alberta, Canada
- Harold E. Bessey, Maine State Highway Commission, State House, Augusta, Maine
- J.T. Corkill, Materials and Research Section, Department of Highways, Parliament Buildings, Toronto 2, Ontario, Canada
- Charles R. Foster, Coordinator of Research, National Asphalt Pavement Association, Texas A & M University, College Station, Texas
- J.E. Gray, Engineering Director, National Crushed Stone Association, 1415 Elliot Place, N.W., Washington 7, D.C.
- James H. Havens, Director of Research, Kentucky Department of Highways, 132 Graham Avenue, Lexington 29, Kentucky
- Edward T. Hignell, Asphalt Technical Advisor, Research and Development Centre, British American Oil Company Ltd., 2489 North Sheridan Way, Sheridan Park, Ontario, Canada
- Dr. Rudolf A. Jimenez, Department of Civil Engineering, University of Arizona, Tucson, Arizona
- James C. Johnson, Staff Engineer Asphalt Institute Building, University of Maryland, College Park, Maryland
- J.A. Lefebvre, Imperial Oil Enterprises Ltd., Research Department, P.O.Box 3022, Sarnia, Ontario, Canada
- K.E. McConaughay, President K.E. McConaughay Inc., 426 Columbia Street, Lafayette, Indiana
- T.E. McElherne, Materials Engineer, Iowa State Highway Commission, Ames, Iowa
- J.A. Murchie, Area Maintenance Engineer, Minnesota Department of Highways, 2055 N. Lilac Drive, Minneapolis 22, Minnesota
- Charles F. Parker, Chief Engineer, Engineering Laboratory Service, 58 Maine Street, Westbrook, Maine
- Edward T. Perry, Administrative Vice-President, The New Haven Trap Rock Co., 265 Church Street, New Haven 9, Connecticut
- Robert M. Ripple, Technical Service Engineer, American Bitumuls and Asphalt Company, P.O.Box 38014, Western Hills Station, Cincinnati 38, Ohio
- Stewart R. Spelman, Highway Research Engineer, Physical Research Division, Bureau of Public Roads, U.S. Department of Commerce, Washington D.C.
- Dr. J.E. Stephens, Professor of Civil Engineering, University of Connecticut, P.O.Box U-37, Storrs, Connecticut
- W.B. Warden, President, Miller-Warden Associates, 705 Georgetown Road, Raleigh, North Carolina
- George H. Zuehlke, Materials Tests Engineer, State Highway Commission of Wisconsin, 304 N. Randall, Madison 5, Wisconsin.