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Weather Database for the SUPERPAVE™ Mix Design System

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The Heritage Group



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Author's Note:

The weather data reported in the original edition of report SHRP-A-648 contained incorrect data for 779 Canadian stations. These incorrect data resulted in errors in the high temperature performance grades recommended for the 50 and 98 percent reliability levels. The problem was traced to an error in the method for identifying and handling missing data points in the original weather records.

This revised edition contains a corrected Canadian database. A collateral benefit of this revision is that correct statistical data and suggested performance grades are now available for 1515 Canadian weather stations.

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Abstract

The SUPERPAVE™ mix design system software contains a database of 5,313 United States' and 1515 Canadian weather stations, which can be used to select a suitable performance grade of asphalt binder for a paving project, based on prevailing weather conditions in the area. This report briefly describes how the SUPERPAVE™ software functions and presents selected contents of the weather database in tabular form in an appendix.

Introduction

The SUPERPAVE™ mix design system software contains a database of 5,313 United States' and 1515 Canadian weather stations, which can be used to select a suitable performance grade of asphalt binder for a paving project.

The software guides the mix designer through the selection process in a step-by-step manner. The data for any station can be selected by positioning a cursor on a map of North America at dots representing station locations. For each station the statistical distributions of the yearly 7-day average maximum air temperature and the yearly 1-day minimum air temperature are available. These distributions may be graphically displayed along with the degrees of probable risk associated with the selection of any particular design temperature.

A performance grade of asphalt binder can be selected for a paving project that minimizes the probable design risk for high and (or) low temperature pavement performance, or, as warranted by agency policy, a higher degree of probable risk can be selected on the basis of the class of highway, cost and other relevant factors. The probable design risk is expressed in terms of *reliability*; the higher the reliability selected, the lower the probable design risk.

Tabulation of the Weather Database

Selected contents of the SUPERPAVE™ weather database are presented in tabular form in Appendix A of this report.

Each page in the appendix is roughly blocked into three parts from left to right across the page. The contents of the first part are the station location and statistical weather data described in Table 1. The second and third parts present calculated design temperatures and resulting asphalt binder performance grades for reliability levels of 50 and 98 percent; the contents of each data column are described in Table 2. In practice, the SUPERPAVE™ software permits the designer to select any reliability level desired.

TABLE 1. STATION LOCATION AND STATISTICAL WEATHER DATA

COLUMN HEADER	CONTENTS
STATE	Two letter abbreviation for state or province name.
COUNTY ID	For U.S. stations, name of county. For Canadian stations, weather station number.
STATION	Name of weather station.
LONG	Longitude of weather station.

LAT	Latitude of weather station.
ELEV	Elevation of weather station in meters.
AVG LOW TEMP	Coldest temperature in an average year in °C.
STD LOW TEMP	Standard deviation in °C of coldest temperature for all years for which data are available.
AVG HIGH TEMP	Average daytime high temperature during hottest 7-day period in an average year in °C.
STD HIGH TEMP	Standard deviation in °C of average daytime high temperature during hottest 7-day period for all years for which data are available.

TABLE 2. AIR TEMPERATURES, PAVEMENT DESIGN TEMPERATURES AND BINDER PERFORMANCE GRADES CORRESPONDING TO 50 PERCENT AND 98 PERCENT RELIABILITY LEVELS.

COLUMN HEADER	CONTENTS
MAX AIR	Maximum average air daytime high temperature during hottest 7-day period in average year in °C.
MAX PVT	High design temperature. Maximum pavement temperature at 20 mm depth converted from maximum air temperature in °C.
MIN AIR	Minimum air temperature in average year in °C.
MIN PVT	Low design temperature. Minimum pavement temperature at the surface, equal to the minimum air temperature in °C.
BINDER GRADE PG	Performance grade of asphalt binder required for design conditions.
BINDER GRADE HT	High temperature performance grade range required for high design temperature.
BINDER GRADE LT	Low temperature performance grade range required for low design temperature.

Temperature Calculations

In order to calculate the design temperatures described in Table 2, the SUPERPAVE™ software contains an equation relating design air temperature to design pavement

temperature for both high and low design air temperatures. High design pavement temperature is determined 20 mm below the pavement surface. Low design pavement temperature is determined at the pavement surface.

Pavement surface temperature is based upon net heat flow at the pavement surface:

$$\text{Net heat flow} = [\text{direct solar radiation}] + [\text{diffuse radiation}] \pm [\text{convection}] \pm [\text{conduction}] - [\text{black body radiation}]$$

Energy balance at the pavement surface is a transient phenomenon, continually changing with changing climatic conditions. For the purpose of calculating pavement surface temperature during the hottest 7-day period of the year, solar absorption, radiation transmission through air, atmospheric radiation and wind speed were set at the typical values shown in table 3:

TABLE 3. TYPICAL VALUES FOR CALCULATING PAVEMENT SURFACE TEMPERATURE

PROPERTY	TYPICAL VALUE
SOLAR ABSORPTION	0.90
TRANSMISSION THROUGH AIR	0.81
ATMOSPHERIC RADIATION	0.70
WIND SPEED	4.5 m/s

The resulting energy balance is non-deterministic. The equation contains latitude with air temperature and surface temperature raised to the fourth power requiring a trial and error solution. Using results of a theoretical analysis¹ and five databases of actual measured air and pavement temperature combinations a deterministic equation was developed relating temperature difference between surface and air to latitude:

$$T_{surf} - T_{air} = -0.00618lat^2 + 0.2289lat + 24.4 \quad (1)$$

where T_{surf} and T_{air} are in °C and the latitude, lat , is in degrees.

Below the pavement surface the temperature is predicted using heat flow models contained in the Federal Highway Administration's Environmental Effects Model. During

¹M. Solaimanian and P. Bolzan, Analysis of the Integrated Model of Climatic Effects on Pavements: Sensitivity Analysis and Pavement Temperature Prediction. SHRP-A-637.

contained in the Federal Highway Administration's Environmental Effects Model. During the hottest 7-day period in the heat of the day, pavement surface temperature is increasing and heat flows downward into the pavement. Using data from the temperature databases an equation was developed that expresses the change in temperature with depth:

$$T_d = T_{surf} (1 - 0.063d + 0.007d^2 - 0.0004d^3) \quad (2)$$

where T_d and T_{surf} are in °F and the depth, d , is in inches.

Converting to SI units and calculating the temperature at a depth of 20 mm, the equation becomes:

$$T_{20mm} = (T_{surf} + 17.78)(0.9545) - 17.78 \quad (3)$$

where T_{20mm} and T_{surf} are in °C.

By substituting equation (1) into equation (3), the equation contained in the SUPERPAVE™ software is obtained:

$$T_{20mm} = (T_{air} - 0.00618lat^2 + 0.2289lat + 42.2)(0.9545) - 17.78 \quad (4)$$

where T_{20mm} and T_{air} are in °C and the latitude is expressed in degrees.

Appendix A

Weather Database for Binder Grade Selection

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UNITED STATES

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Oregon	A-89		
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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT		
CT	FAIRFIELD	BRIDGEPORT WSO AP	73.13	41.17	3	-17	3	31	2	31	51	-17	-17	35	55	-23	-23	PG	58 -28
CT	LITCHFIELD	BULLS BRIDGE DAM	73.48	41.65	79	-23	4	32	1	32	52	-23	-23	34	54	-31	-31	PG	58 -34
CT	LITCHFIELD	BURLINGTON	72.93	41.80	156	-22	3	31	1	31	51	-22	-22	33	53	-28	-28	PG	58 -28
CT	NEW LONDON	COLCHESTER 2 W	72.37	41.55	146	-21	3	30	2	30	50	-21	-21	34	54	-27	-27	PG	58 -28
CT	TOLLAND	COVENTRY	72.35	41.80	146	-27	4	30	2	30	50	-27	-27	34	54	-35	-35	PG	58 -40
CT	LITCHFIELD	CREAM HILL	73.32	41.90	396	-23	4	30	2	30	50	-23	-23	34	54	-31	-31	PG	58 -34
CT	FAIRFIELD	DANBURY	73.47	41.38	156	-21	3	32	2	32	52	-21	-21	36	56	-27	-27	PG	58 -28
CT	LITCHFIELD	FALLS VILLAGE	73.37	41.95	168	-26	3	32	2	32	52	-26	-26	36	56	-32	-32	PG	58 -34
CT	NEW LONDON	GROTON	72.05	41.35	12	-20	3	30	1	30	50	-20	-20	32	52	-26	-26	PG	52 -28
CT	HARTFORD	HARTFORD WSO AP	72.68	41.93	49	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58 -34
CT	TOLLAND	MANSFIELD HOLLOW LAKE	72.18	41.75	76	-25	4	32	2	32	52	-25	-25	36	56	-33	-33	PG	58 -34
CT	MIDDLESEX	MIDDLETOWN 4 W	72.72	41.55	113	-19	3	31	2	31	51	-19	-19	35	55	-25	-25	PG	58 -28
CT	NEW HAVEN	MOUNT CARMEL	72.90	41.40	55	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58 -34
CT	NEW HAVEN	NEW HAVEN	72.93	41.30	220	-17	2	33	2	33	53	-17	-17	37	57	-21	-21	PG	58 -22
CT	LITCHFIELD	NEW HAVEN AIRPORT	72.88	41.27	3	-17	3	30	1	30	50	-17	-17	32	52	-23	-23	PG	52 -28
CT	LITCHFIELD	NORFOLK 2 SW	73.22	41.97	409	-24	3	28	2	28	48	-24	-24	32	52	-30	-30	PG	52 -34
CT	FAIRFIELD	NORWALK	73.45	41.13	37	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58 -34
CT	NEW LONDON	NORWALK GAS PLANT	73.42	41.12	12	-18	3	32	2	32	52	-18	-18	36	56	-24	-24	PG	58 -28
CT	NEW LONDON	NORWICH PUB UTIL PLANT	72.07	41.53	6	-21	3	31	3	31	51	-21	-21	37	57	-27	-27	PG	58 -34
CT	LITCHFIELD	PUTNAM	71.92	41.92	92	-23	5	31	2	31	51	-23	-23	35	55	-33	-33	PG	58 -34
CT	LITCHFIELD	SHEPAUG DAM	73.30	41.72	256	-24	3	30	2	30	50	-24	-24	34	54	-30	-30	PG	58 -34
CT	FAIRFIELD	STAMFORD 5 N	73.55	41.13	58	-22	3	32	2	32	52	-22	-22	36	56	-28	-28	PG	58 -28
CT	TOLLAND	STORRS	72.25	41.80	198	-22	3	30	2	30	50	-22	-22	34	54	-28	-28	PG	58 -28
CT	MIDDLESEX	WESTBROOK	72.43	41.30	12	-22	4	30	2	30	50	-22	-22	34	54	-30	-30	PG	58 -34
CT	WINDHAM	WEST THOMPSON LAKE	71.90	41.95	110	-25	3	31	2	31	51	-25	-25	35	55	-31	-31	PG	58 -34
CT	LITCHFIELD	WIGWAM RESERVOIR	73.15	41.68	174	-23	4	31	2	31	51	-23	-23	35	55	-31	-31	PG	58 -34
DE	SUSSEX	BRIDGEVILLE 1 NW	75.62	38.75	15	-16	4	33	1	33	54	-16	-16	35	55	-24	-24	PG	58 -28
DE	KENT	DOVER	75.52	39.15	9	-15	3	34	2	34	54	-15	-15	38	58	-21	-21	PG	64 -22
DE	SUSSEX	GEORGETOWN 5 SW	75.45	38.63	15	-17	3	33	1	33	54	-17	-17	35	56	-23	-23	PG	58 -28
DE	SUSSEX	LEWES	75.13	38.77	6	-14	4	32	2	32	53	-14	-14	36	56	-22	-22	PG	58 -22
DE	NEW CASTLE	MIDDLETOWN 3 E	75.67	39.45	18	-17	5	33	2	33	53	-17	-17	37	57	-27	-27	PG	58 -28
DE	SUSSEX	MILFORD 2 WSW	75.47	38.90	9	-16	3	34	2	34	54	-16	-16	38	58	-22	-22	PG	58 -22
DE	NEW CASTLE	NEWARK UNIV FARM	75.73	39.67	28	-17	3	33	2	33	53	-17	-17	37	57	-23	-23	PG	58 -28
DE	NEW CASTLE	WILMINGTON WSO AP	75.60	39.67	24	-16	4	33	2	33	53	-16	-16	36	56	-22	-22	PG	58 -28
DE	NEW CASTLE	WILMINGTON PORTER RESVR	75.53	39.77	82	-16	3	32	2	32	52	-16	-16	36	56	-22	-22	PG	58 -22
FL	LAKE	ALEXANDER SPRINGS 3 SE	81.55	29.05	21	-6	2	36	1	36	58	-6	-6	38	60	-10	-10	PG	64 -10
FL	FRANKLIN	APALACHICOLA WSO AP	85.03	29.73	6	-4	3	33	1	33	55	-4	-4	35	57	-10	-10	PG	58 -10
FL	DESOTO	ARCADIA	81.85	27.23	18	-3	2	35	1	35	57	-3	-3	38	60	-9	-9	PG	64 -10
FL	HIGHLANDS	ARCHBOLD BIOLOGIC STN	81.35	27.18	43	-5	2	36	1	36	58	-5	-5	38	60	-6	-6	PG	64 -10
FL	HIGHLANDS	AVON PARK 2 W	81.53	27.60	46	-2	2	36	1	36	58	-2	-2	38	60	-6	-6	PG	64 -10
FL	POLK	BARTOW	81.85	27.90	37	-2	2	35	1	35	57	-2	-2	37	59	-7	-7	PG	64 -10
FL	PALM BEACH	BELLE GLADE EXP STN	80.63	26.65	6	-1	2	34	1	34	57	-1	-1	36	58	-5	-5	PG	64 -10
FL	MANATEE	BRADENTON EXP STATION	82.55	27.48	3	-1	2	34	1	34	56	-1	-1	36	58	-5	-5	PG	64 -10
FL	MANATEE	BRADENTON 5 ESE	82.47	27.45	6	-2	2	34	1	34	56	-2	-2	36	58	-6	-6	PG	64 -10
FL	HERNANDO	BROOKSVILLE CHIN HILL	82.37	28.62	73	-3	3	34	1	34	56	-3	-3	36	58	-9	-9	PG	64 -10
FL	PALM BEACH	CANAL POINT USDA	80.62	26.87	9	1	2	34	1	34	57	1	1	35	58	-3	-3	PG	64 -10
FL	LEE	CAPTIVA	82.18	26.53	0	4	3	33	1	33	56	4	4	36	58	-12	-12	PG	64 -16
FL	FRANKLIN	CARRABELLE 1 NNW	84.67	29.87	3	-6	3	34	1	34	56	-6	-6	36	58	-7	-7	PG	64 -10
FL	LEVY	CEDAR KEY 1 WSW	83.05	29.13	3	-3	2	34	1	34	56	-3	-3	36	58	-14	-14	PG	64 -16
FL	WASHINGTON	CHIPLEY 3 E	85.48	30.78	40	-8	3	35	1	35	57	-8	-8	37	59	-6	-6	PG	58 -10
FL	PINELLAS	CLEARWATER	82.77	27.97	21	0	3	33	1	33	55	0	0	35	57	-6	-6	PG	64 -10
FL	LAKE	CLEARMONT 7 S	81.75	28.45	37	-2	2	35	1	35	57	-2	-2	37	59	-6	-6	PG	64 -10
FL	HENDRY	CLEWISTON U S ENG	80.92	26.75	6	1	2	34	1	34	57	1	1	36	58	-3	-3	PG	64 -10

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
						LOW	TEMP	HIGH	TEMP	TEMPERATURES				TEMPERATURES				PG	HT	LT	PG
										MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT				
FL	DADE	COCONUT GROVE 7 S	80.28	25.65	3	1	2	33	1	33	56	1	1	33	58	-3	-3	PG	58	-10	PG
FL	DIXIE	CROSS CITY 2 WNW	83.17	29.65	12	-7	2	34	1	34	56	-7	-7	34	58	-11	-11	PG	64	-16	PG
FL	VOLUSIA	DAYTONA BEACH WSO AP	81.05	29.18	9	-3	2	34	1	34	56	-3	-3	36	58	-7	-7	PG	64	-10	PG
FL	WALTON	DE FUNIAK SPRINGS	86.12	30.73	70	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64	-16	PG
FL	VOLUSIA	DELAND 1 SSE	81.30	29.02	9	-4	2	35	1	35	57	-4	-4	37	59	-8	-8	PG	64	-10	PG
FL	HENDRY	DEVILS GARDEN	81.13	26.60	6	-2	3	34	1	34	57	-2	-2	36	58	-8	-8	PG	64	-10	PG
FL	COLLIER	EVERGLADES	81.38	25.85	3	1	2	34	1	34	57	1	1	36	59	-3	-3	PG	64	-10	PG
FL	PUTNAM	FEDERAL POINT	81.53	29.75	3	-3	3	36	1	36	58	-3	-3	38	60	-9	-9	PG	64	-10	PG
FL	INDIAN RIVER	FELLSMERE 7 SSW	80.65	27.68	6	-1	3	35	1	35	57	-1	-1	37	59	-7	-7	PG	64	-10	PG
FL	MONROE	FLAMINGO RANGER STATION	80.92	25.15	0	1	2	32	1	32	55	1	1	34	57	-3	-3	PG	58	-10	PG
FL	KEECHOOBEE	FORT DRUM 5 NW	80.83	27.58	21	-3	2	35	1	35	57	-3	-3	37	59	-7	-7	PG	64	-10	PG
FL	BROWARD	FORT LAUDERDALE	80.20	26.10	6	2	2	34	1	34	57	2	2	36	59	-2	-2	PG	64	-10	PG
FL	BROWARD	FT LAUDERDALE EXP STN	80.25	26.08	3	1	2	34	1	34	57	1	1	36	59	-3	-3	PG	64	-10	PG
FL	LEE	FORT MYERS FAA AP	81.87	26.58	6	1	2	34	1	34	57	1	1	36	58	-3	-3	PG	64	-10	PG
FL	BAY	FOUNTAIN 3 SSE	85.42	30.43	43	-10	3	36	2	36	58	-10	-10	40	62	-16	-16	PG	64	-16	PG
FL	ALACHUA	GAINESVILLE UNI OF FLA	82.35	29.65	52	-5	3	35	1	35	57	-5	-5	37	59	-11	-11	PG	64	-16	PG
FL	DADE	GAINESVILLE 3 WSW	82.37	29.63	30	-6	2	35	1	35	57	-6	-6	37	59	-10	-10	PG	64	-10	PG
FL	DADE	HIALEAH	80.28	25.83	3	2	2	33	1	33	56	2	2	35	58	-2	-2	PG	58	-10	PG
FL	ALACHUA	HIGH SPRINGS	82.60	29.83	21	-6	3	36	2	36	58	-6	-6	40	62	-12	-12	PG	64	-16	PG
FL	DADE	HOMESTEAD EXP STN	80.50	25.50	3	1	2	34	1	34	57	1	1	36	59	-3	-3	PG	64	-10	PG
FL	DADE	HYPOLUXO	80.05	26.55	3	1	2	33	1	33	56	1	1	35	58	-3	-3	PG	58	-10	PG
FL	COLLIER	IMMOKALEE 3 NNW	81.43	26.47	12	-2	2	34	1	34	57	-2	-2	36	58	-6	-6	PG	64	-10	PG
FL	POLK	INDIAN LAKE ESTATES	81.33	27.80	30	-4	2	34	1	34	56	-4	-4	36	58	-8	-8	PG	64	-10	PG
FL	CITRUS	INVERNESS 3 SE	82.32	28.73	12	-4	2	35	1	35	57	-4	-4	37	59	-8	-8	PG	64	-10	PG
FL	DUVAL	JACKSONVILLE WSO AP	81.70	30.50	9	-6	3	36	1	36	58	-6	-6	38	60	-12	-12	PG	64	-16	PG
FL	DUVAL	JACKSONVILLE BEACH	81.40	30.28	3	-4	3	34	1	34	56	-4	-4	36	58	-10	-10	PG	64	-10	PG
FL	MONROE	KEY WEST WSO AP	81.75	24.55	0	10	2	32	1	32	55	10	10	34	57	6	6	PG	58	-10	PG
FL	MONROE	KEY WEST	81.80	24.57	3	11	3	33	1	33	56	11	11	35	58	5	5	PG	58	-10	PG
FL	OSCEOLA	KISSIMMEE 2	81.42	28.28	18	-3	2	34	1	34	56	-3	-3	36	58	-7	-7	PG	64	-10	PG
FL	HENDRY	LA BELLE	81.43	26.75	6	-2	2	35	1	35	57	-2	-2	37	59	-6	-6	PG	64	-10	PG
FL	POLK	LAKE ALFRED EXP STN	81.72	28.10	43	-2	4	35	1	35	57	-2	-2	37	59	-10	-10	PG	64	-10	PG
FL	COLUMBIA	LAKE CITY 2 E	82.60	30.18	61	-6	3	36	1	36	58	-6	-6	38	60	-12	-12	PG	64	-16	PG
FL	POLK	LAKELAND 3 SE	81.92	28.02	46	-2	2	34	1	34	56	-2	-2	36	58	-6	-6	PG	64	-10	PG
FL	HIGHLANDS	LAKE PLACID 2 SW	81.38	27.28	28	-2	2	36	1	36	58	-2	-2	38	60	-6	-6	PG	64	-10	PG
FL	LAKE	LISBON	81.78	28.87	21	-4	2	34	1	34	56	-4	-4	36	58	-8	-8	PG	64	-10	PG
FL	SUWANNEE	LIVE OAK	82.97	30.28	37	-8	2	36	1	36	58	-8	-8	38	60	-12	-12	PG	64	-16	PG
FL	PALM BEACH	LOXAHATCHEE	80.27	26.68	3	-1	2	34	1	34	57	-1	-1	36	58	-5	-5	PG	64	-10	PG
FL	MADISON	MADISON 4 N	83.43	30.53	55	-6	3	36	1	36	58	-6	-6	38	60	-12	-12	PG	64	-16	PG
FL	MONROE	MARATHON SHORES	81.05	24.73	3	8	3	33	1	33	56	8	8	35	58	2	2	PG	58	-10	PG
FL	JACKSON	MARIANNA SCH FOR BOYS	85.27	30.77	52	-7	3	36	1	36	58	-7	-7	38	60	-13	-13	PG	64	-16	PG
FL	LAFAYETTE	MAYO	83.17	30.05	21	-7	3	35	1	35	57	-7	-7	37	59	-13	-13	PG	64	-16	PG
FL	BREVARD	MELBOURNE	80.62	28.07	3	-2	3	34	1	34	56	-2	-2	36	58	-8	-8	PG	64	-10	PG
FL	DADE	MIAMI BAYFRONT PARK	80.18	25.78	3	3	2	33	1	33	56	3	3	35	58	-1	-1	PG	58	-10	PG
FL	DADE	MIAMI BEACH	80.13	25.78	3	4	2	32	1	32	55	4	4	34	57	0	0	PG	58	-10	PG
FL	DADE	MIAMI WSCMO AP	80.30	25.80	3	3	2	33	1	33	56	3	3	35	58	-1	-1	PG	58	-10	PG
FL	DADE	MIAMI 12 SSW	80.30	25.65	3	2	2	33	1	33	56	2	2	35	58	-2	-2	PG	58	-10	PG
FL	SANTA ROSA	MILTON EXP STATION	87.13	30.78	67	-8	3	35	1	35	57	-8	-8	37	59	-14	-14	PG	64	-16	PG
FL	JEFFERSON	MONTICELLO 3 W	83.92	30.53	46	-8	3	35	2	35	57	-8	-8	39	61	-14	-14	PG	64	-16	PG
FL	GLADES	MOORE HAVEN LOCK 1	81.08	26.83	12	-1	3	34	1	34	57	-1	-1	36	58	-7	-7	PG	64	-10	PG
FL	POLK	MOUNTAIN LAKE	81.60	27.93	40	-3	2	35	1	35	57	-3	-3	37	59	-7	-7	PG	64	-10	PG
FL	SARASOTA	MYAKKA RIVER ST PK	82.32	27.23	6	-3	2	35	1	35	57	-3	-3	37	59	-7	-7	PG	64	-10	PG
FL	COLLIER	NAPLES	81.78	26.17	3	1	3	34	1	34	57	1	1	36	59	-5	-5	PG	64	-10	PG
FL	OKALOOSA	NICEVILLE	86.50	30.52	18	-8	3	35	1	35	57	-8	-8	37	59	-14	-14	PG	64	-16	PG

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW	TEMP	HIGH	TEMP	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	PG	HT
						AVG	STD	AVG	STD	MAX	AVG	STD	AVG	MAX	AVG	STD	AVG		
FL	OKEEHOBEE	OKEEHOBEE HRCN GATE 6	80.80	27.22	15	-1	3	33	1	33	56	-1	-1	33	58	-10	-7	PG	58
FL	OKEEHOBEE	ORLANDO WSO AP	81.33	28.55	34	-1	3	35	1	35	57	-1	-1	35	58	-10	-7	PG	64
FL	PUTNAM	PALATKA	81.65	29.65	12	-3	4	36	1	36	58	-3	-3	36	64	-10	-11	PG	64
FL	BAY	PANAMA CITY 2	85.70	30.17	3	-6	3	34	1	34	56	-6	-6	34	58	-10	-12	PG	64
FL	MANATEE	PARRISH	82.43	27.57	12	-3	2	34	1	34	56	-3	-3	34	58	-10	-7	PG	64
FL	ESCAMBIA	PENSACOLA FAA AP	87.20	30.47	34	-6	3	34	1	34	56	-6	-6	34	58	-10	-12	PG	64
FL	TAYLOR	PERRY	83.57	30.10	15	-8	3	36	1	36	58	-8	-8	36	64	-10	-14	PG	64
FL	HILLSBOROUGH	PLANT CITY	82.13	28.02	37	-2	2	35	1	35	57	-3	-3	35	58	-10	-7	PG	64
FL	BROWARD	POMPAHO BEACH	80.15	26.23	6	2	2	34	1	34	57	2	2	34	58	-10	-2	PG	64
FL	CHARLOTTE	PUNTA GORDA	82.05	26.93	3	2	2	34	1	34	57	2	2	34	58	-10	-2	PG	64
FL	CHARLOTTE	PUNTA GORDA 4 ESE	82.00	26.92	6	-1	3	34	1	34	57	-1	-1	34	58	-10	-7	PG	64
FL	GADSDEN	QUINCY 3 SSW	84.55	30.60	76	-7	3	35	1	35	57	-7	-7	35	59	-13	-13	PG	64
FL	DADE	ROYAL PALM RANGER STN	80.60	25.38	3	1	3	34	1	34	56	-4	-4	34	58	-10	-8	PG	64
FL	ST JOHNS	SAINT AUGUSTINE	81.33	29.88	6	-4	2	34	1	34	56	-4	-4	34	58	-10	-8	PG	64
FL	PASCO	SAINT LEO	82.27	28.33	58	-3	3	35	1	35	57	-3	-3	35	59	-9	-9	PG	64
FL	WAKULLA	SAINT MARKS 5 SSE	84.17	30.10	3	-7	2	35	1	35	57	-7	-7	35	59	-11	-11	PG	64
FL	PINELLAS	ST PETERSBURG	82.63	27.77	3	1	3	34	1	34	56	1	1	34	58	-10	-5	PG	64
FL	SARASOTA	SARASOTA	82.53	27.35	9	-1	3	34	1	34	56	-1	-1	34	58	-10	-7	PG	64
FL	BRADFORD	SOUTH MIAMI 5 W	80.35	25.70	24	1	2	33	1	33	56	1	1	33	58	-10	-3	PG	58
FL	DIXIE	STARKE	82.10	29.93	49	-7	3	34	1	34	56	-7	-7	34	58	-10	-13	PG	64
FL	MARTIN	STEINHATCHEE 6 ENE	83.30	29.72	12	-7	3	34	1	34	56	-7	-7	34	58	-10	-13	PG	64
FL	LEON	STUART 1 N	80.25	27.22	3	0	3	34	1	34	56	0	0	34	58	-10	-6	PG	64
FL	DADE	TALLAHASSEE WSO AP	84.37	30.38	18	-8	3	35	1	35	57	-8	-8	35	59	-14	-14	PG	64
FL	HILLSBOROUGH	TAMPA TRL 40 MI BEND	80.83	25.75	6	2	3	34	1	34	57	2	2	34	58	-10	-4	PG	64
FL	PINELLAS	TAMPA WSCMO AP	82.53	27.97	6	-1	3	34	1	34	56	-1	-1	34	58	-10	-7	PG	64
FL	MONROE	TARPOON SPSG SEWAGE PL	82.75	28.15	3	-2	3	34	1	34	56	-2	-2	34	58	-10	-8	PG	64
FL	BREVARD	TAVERNIER	80.52	25.00	3	6	3	33	1	33	56	6	6	33	58	-10	0	PG	58
FL	LEVY	TITUSVILLE	80.82	28.62	15	-2	3	35	1	35	57	-2	-2	35	59	-8	-8	PG	64
FL	SARASOTA	USHER TOWER	82.82	29.42	9	-7	2	35	1	35	57	-7	-7	35	59	-11	-11	PG	64
FL	INDIAN RIVER	VENICE	82.43	27.10	3	-1	2	33	1	33	55	-1	-1	33	57	-5	-5	PG	58
FL	INDIAN RIVER	VERO BEACH MUN AP	80.42	27.65	6	-1	2	33	1	33	55	-1	-1	33	57	-5	-5	PG	58
FL	HERNANDO	VERO BEACH 4 W	80.45	27.63	6	-2	2	33	1	33	55	-2	-2	33	57	-6	-6	PG	58
FL	PALM BEACH	WEEKI WACHEE	82.58	28.52	61	-6	2	34	1	34	56	-6	-6	34	58	-10	-10	PG	64
FL	GULF	WEST PALM BCH WSO AP	80.12	26.68	6	1	2	34	1	34	57	1	1	34	58	-10	-3	PG	64
FL	POLK	WEWAHITCHKA	85.20	30.12	12	-7	3	35	1	35	57	-7	-7	35	59	-13	-13	PG	64
FL	GADSDEN	WINTER HAVEN	81.75	28.02	43	-2	3	35	1	35	57	-2	-2	35	59	-8	-8	PG	64
GA	MONTGOMERY	WOODRUFF DAM	84.87	30.72	34	-7	3	35	1	35	57	-7	-7	35	59	-13	-13	PG	64
GA	BERRIEN	AILEY	82.57	32.18	73	-8	3	36	2	36	58	-8	-8	36	62	-14	-14	PG	64
GA	BARTOW	ALAPAH EXP STATION	83.22	31.35	88	-7	2	36	2	36	58	-7	-7	36	62	-11	-11	PG	64
GA	FULTON	ALLATOONA DAM 2	84.73	34.17	299	-13	4	34	2	34	55	-13	-13	34	58	-10	-21	PG	64
GA	SUMTER	ALPHARETTA 5 SSW	84.30	34.00	317	-15	3	34	2	34	56	-15	-15	34	59	-21	-21	PG	64
GA	COLUMBIA	AMERICUS 3 SW	84.25	32.05	150	-9	3	36	2	36	58	-9	-9	36	62	-15	-15	PG	64
GA	TURNER	APPLING 2 NW	82.33	33.57	113	-13	3	36	2	36	58	-13	-13	36	62	-19	-19	PG	64
GA	CLARKE	ASHBURN 3 ENE	83.62	31.72	134	-9	3	35	1	35	57	-9	-9	35	59	-15	-15	PG	64
GA	CLARKE	ATHENS	83.38	33.97	214	-11	3	34	2	34	56	-11	-11	34	58	-16	-17	PG	64
GA	CLARKE	ATHENS COL OF AGRI	83.35	33.92	210	-12	3	36	2	36	57	-12	-12	36	61	-18	-18	PG	64
GA	FULTON	ATHENS WSO AP	83.32	33.95	244	-12	3	36	2	36	57	-12	-12	36	61	-18	-18	PG	64
GA	FULTON	ATLANTA WSO AP	84.43	33.65	308	-12	4	34	2	34	56	-12	-12	34	59	-20	-20	PG	64
GA	MCINTOSH	BAINBRIDGE	84.58	30.92	37	-7	3	36	1	36	58	-7	-7	36	60	-13	-13	PG	64
GA	UNION	BLACKBEARD ISLAND	81.22	31.48	3	-5	3	35	1	35	57	-5	-5	35	59	-11	-11	PG	64
GA	FANNIN	BLAIRSVILLE EXP STN	83.93	34.85	586	-17	4	32	2	32	53	-17	-17	32	57	-25	-25	PG	58
GA	BULLOCH	BLUE RIDGE	84.32	34.87	546	-18	3	32	2	32	53	-18	-18	32	57	-24	-24	PG	58
GA	BULLOCH	BROOKLET 1 W	81.68	32.38	58	-8	3	36	2	36	58	-8	-8	36	62	-14	-14	PG	64

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
			LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				BINDER GRADE		BINDER GRADE	
			AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT	RG	HT	RG	HT
GA	CLYNN	BRUNSWICK FAA AP	81.38	31.15	3	-6	3	34	1	34	56	-6	-6	36	58	-10	36	58
GA	GRADY	CAIRO 2 NNW	84.22	30.90	82	-7	3	36	1	36	58	-7	-7	38	60	-10	38	60
GA	GORDON	CALHOUN EXP STATION	84.97	34.48	201	-14	4	35	2	35	56	-14	-14	39	60	-16	39	60
GA	MITCHELL	CAMILLA	84.22	31.23	55	-8	3	37	1	37	59	-8	-8	39	61	-10	39	61
GA	BARTOW	CARTERSVILLE	84.78	34.22	220	-14	4	35	2	35	56	-14	-14	39	60	-16	39	60
GA	POLK	CEDARTOWN	85.25	34.02	241	-14	3	35	2	35	56	-14	-14	39	60	-16	39	60
GA	MILLER	COLQUITT 2 W	84.77	31.17	46	-8	3	36	1	36	58	-8	-8	38	60	-10	38	60
GA	COLUMBUS	COLUMBUS WSO AP	84.95	32.52	137	-10	3	36	1	36	58	-10	-10	38	60	-10	38	60
GA	JACKSON	COMMERCE 4 NNW	83.48	34.25	229	-14	3	35	2	35	56	-14	-14	39	60	-16	39	60
GA	CRISP	COORDELE	83.78	32.00	95	-9	4	36	1	36	58	-9	-9	38	60	-10	38	60
GA	HABERSHAM	CORNELIA	83.53	34.52	448	-14	4	33	2	33	54	-14	-14	37	58	-16	37	58
GA	PAULDING	DALLAS 7 NE	84.75	33.98	336	-16	3	34	2	34	56	-16	-16	38	59	-16	38	59
GA	WHITEFIELD	DALTON	84.95	34.75	214	-13	4	34	2	34	55	-13	-13	38	59	-16	38	59
GA	COFFEE	DOUGLAS	82.83	31.52	70	-8	3	36	1	36	58	-8	-8	38	60	-10	38	60
GA	LAURENS	DUBLIN 3 S	82.90	32.50	67	-9	3	37	1	37	59	-9	-9	39	61	-10	39	61
GA	ELBERT	ELBERTON 2 N	82.87	34.13	165	-14	3	35	2	35	56	-14	-14	39	60	-16	39	60
GA	BEN HILL	FITZGERALD	83.25	31.72	113	-8	3	36	1	36	58	-8	-8	38	60	-10	38	60
GA	LIBERTY	FLEMING	81.42	31.88	6	-8	2	35	2	35	57	-8	-8	38	60	-10	38	60
GA	CHARLTON	FOLKSTON 9 SW	82.13	30.73	37	-7	3	36	1	36	58	-7	-7	38	60	-10	38	60
GA	MCNAB	FORSYTH 6 NNW	83.98	33.12	183	-12	3	36	2	36	58	-12	-12	40	62	-10	40	62
GA	CLAY	FORT GAINES	85.05	31.60	104	-9	3	36	2	36	58	-9	-9	38	60	-10	38	60
GA	PEACH	FORT VALLEY 2 E	83.87	32.57	150	-9	3	36	1	36	58	-9	-9	38	60	-10	38	60
GA	HALL	GAINESVILLE	83.85	34.30	357	-13	3	34	2	34	55	-13	-13	38	59	-16	38	59
GA	TATTNALL	GLENNVILLE	81.92	31.93	52	-8	3	36	1	36	58	-8	-8	38	60	-10	38	60
GA	MERWETHER	GREENVILLE 2 NNW	84.72	33.05	262	-13	3	35	2	35	57	-13	-13	39	60	-16	39	60
GA	SPALDING	GRIFFIN	84.27	33.25	299	-11	3	35	1	35	57	-11	-11	37	59	-16	37	59
GA	HART	HARTWELL	82.92	34.35	210	-12	4	33	2	33	54	-12	-12	40	61	-16	40	61
GA	WHITE	HELEN	83.72	34.70	439	-14	4	33	2	33	54	-14	-14	38	60	-16	38	60
GA	CLINCH	HOMERVILLE 3 WSW	82.80	31.03	58	-8	3	36	1	36	58	-8	-8	38	60	-10	38	60
GA	WILKINSON	IRWINGTON 4 WNW	83.23	32.83	159	-11	4	36	2	36	58	-11	-11	40	61	-16	40	61
GA	PICKENS	JASPER 1 NNW	84.45	34.48	448	-16	4	33	2	33	54	-16	-16	37	58	-16	37	58
GA	WALKER	LAFAYETTE 4 SSW	85.30	34.63	265	-14	4	34	2	34	55	-14	-14	38	59	-16	38	59
GA	TROUP	LA GRANGE	85.02	33.05	220	-13	3	35	2	35	57	-13	-13	39	60	-16	39	60
GA	JEFFERSON	LOUISVILLE 1 E	82.40	33.02	98	-10	3	36	2	36	58	-10	-10	40	61	-16	40	61
GA	STEWART	LUMPKIN 2 SE	84.78	32.03	174	-11	3	36	1	36	58	-11	-11	38	60	-16	38	60
GA		MACON	83.63	32.83	116	-7	3	36	2	36	58	-7	-7	40	61	-16	40	61
GA		METTER	82.07	32.40	37	-8	4	36	1	36	58	-8	-8	38	60	-16	38	60
GA	CANDLER	MIDVILLE EXP STN	82.20	32.88	85	-11	3	36	2	36	58	-11	-11	40	61	-16	40	61
GA	BURKE	MILLEDGEVILLE	83.25	33.08	122	-11	3	36	2	36	58	-11	-11	40	61	-16	40	61
GA	BALDWIN	MONTICELLO	83.68	33.30	201	-12	4	35	2	35	57	-12	-12	39	60	-16	39	60
GA	JASPER	MORGAN 1 W	84.62	31.53	82	-8	4	34	2	34	56	-8	-8	38	60	-16	38	60
GA	CALHOUN	NAHANTA	81.97	31.18	21	-7	5	34	2	34	56	-7	-7	38	60	-16	38	60
GA	BRANTLEY	NASHVILLE 5 SSE	83.22	31.13	73	-8	3	36	1	36	58	-8	-8	38	60	-16	38	60
GA	BERRIEN	NEWINGTON 2 NE	81.47	32.62	46	-10	3	36	2	36	58	-10	-10	40	61	-16	40	61
GA	SCREVEN	NEWNAN 4 E	84.78	33.43	281	-13	4	35	1	35	57	-13	-13	37	58	-16	37	58
GA	COMBETA	PLAINS SW GA EXP STN	84.37	32.05	152	-11	3	35	1	35	57	-11	-11	37	59	-16	37	59
GA	SUMTER	ROME WSO AP	85.17	34.35	195	-13	3	35	2	35	57	-13	-13	39	60	-16	39	60
GA		SANDERSVILLE	82.82	32.97	134	-11	3	35	2	35	57	-11	-11	38	60	-16	38	60
GA	WASHINGTON	SAPELO ISLAND	81.28	31.40	3	-7	3	34	1	34	56	-7	-7	38	60	-16	38	60
GA	MCINTOSH	SAVANNAH WSO AP	81.20	32.13	15	-8	3	36	1	36	58	-8	-8	38	60	-16	38	60
GA	CHATHAM	SAVANNAH BEACH	80.85	32.00	3	-5	3	33	2	33	55	-5	-5	37	59	-16	37	59
GA	CHATHAM	SILOAM	83.10	33.53	210	-13	3	36	2	36	58	-13	-13	40	61	-16	40	61
GA	GREENE	SURRENCY 2 WNW	82.23	31.73	61	-9	3	36	1	36	58	-9	-9	38	60	-16	38	60
GA	APPLING																	

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW	TEMP	HIGH	TEMP	TEMPERATURES				TEMPERATURES				PG	HT
										MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT		
GA	EMANUEL	SWAINBORO	82.37	32.58	101	-9	4	36	2	36	58	-9	-9	40	61	-17	-17	PG	64
GA	HARALSON	TALLAPOOSA 2 N	85.30	33.77	299	-13	6	34	2	34	56	-13	-13	38	59	-25	-25	PG	64
GA	UPSON	THOMASTON 2 S	84.32	32.87	204	-12	3	36	2	36	58	-12	-12	40	61	-18	-18	PG	64
GA	THOMAS	THOMASVILLE 3 NE	83.93	30.88	79	-7	3	35	2	35	57	-7	-7	39	61	-13	-13	PG	64
GA	STEPHENS	TOCOGA	83.32	34.58	311	-12	3	35	2	35	56	-12	-12	39	60	-18	-18	PG	64
GA	WARREN	WARRENTON	82.65	33.42	156	-10	3	36	2	36	58	-10	-10	40	61	-16	-16	PG	64
GA	WILKES	WASHINGTON 2 ESE	82.72	33.72	189	-12	4	36	2	36	57	-12	-12	40	61	-20	-20	PG	64
GA	PIERCE	WAYCROSS 4 NE	82.32	31.25	46	-8	3	36	1	36	58	-8	-8	40	61	-14	-14	PG	64
GA	BURKE	WAYNESBORO 2 NE	81.98	33.12	82	-9	5	36	2	36	58	-9	-9	40	61	-19	-19	PG	64
GA	BARROW	WINDER 1 SSE	83.72	33.98	293	-14	4	35	2	35	56	-14	-14	39	60	-22	-22	PG	64
MA	BERKSHIRE	ADAMS	73.10	42.65	229	-26	3	31	2	31	51	-26	-26	35	54	-32	-32	PG	58
MA	HAMPSHIRE	AMHERST	72.53	42.38	46	-25	4	32	2	32	52	-25	-25	36	55	-33	-33	PG	58
MA	WORCESTER	BARRE FALLS DAM	72.03	42.43	278	-26	2	29	1	29	49	-26	-26	31	51	-30	-30	PG	52
MA	MIDDLESEX	BEDFORD	71.28	42.48	49	-23	3	31	2	31	51	-23	-23	35	55	-29	-29	PG	58
MA	WORCESTER	BIRCH HILL DAM	72.12	42.63	262	-29	4	31	2	31	51	-29	-29	35	54	-37	-37	PG	58
MA	NORFOLK	BLUE HILL WSO	71.12	42.22	192	-21	3	31	2	31	51	-21	-21	35	55	-27	-27	PG	58
MA	ST HAMDEN	BORDEN BROOK RESV	72.93	42.13	339	-27	3	31	1	31	51	-27	-27	33	53	-33	-33	PG	58
MA	PLYMOUTH	BROCKTON	71.00	42.05	24	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58
MA	WORCESTER	BUFFUMVILLE LAKE	71.90	42.12	152	-26	3	31	1	31	51	-26	-26	33	53	-32	-32	PG	58
MA	SUFFOLK	CHESTNUT HILL	71.15	42.33	37	-19	3	32	2	32	52	-19	-19	36	56	-25	-25	PG	58
MA	WORCESTER	CLINTON	71.68	42.40	122	-23	4	31	2	31	51	-23	-23	35	55	-31	-31	PG	58
MA	HAMPSHIRE	CUMMINGTON HILL	72.93	42.47	491	-24	2	28	1	28	48	-24	-24	30	50	-28	-28	PG	52
MA	MIDDLESEX	DUNSTABLE	71.52	42.67	64	-26	3	33	1	33	53	-26	-26	35	54	-32	-32	PG	58
MA	WORCESTER	EAST BRIMFIELD LAKE	72.13	42.12	207	-26	3	31	1	31	51	-26	-26	33	53	-32	-32	PG	58
MA	PLYMOUTH	EAST WAREHAM	70.67	41.77	6	-21	4	29	2	29	49	-21	-21	33	53	-29	-29	PG	58
MA	DUKES	EDGARTOWN	70.52	41.38	6	-17	3	28	2	28	48	-17	-17	32	52	-23	-23	PG	52
MA	BRISTOL	FALL RIVER	71.13	41.72	58	-18	3	31	2	31	51	-18	-18	35	55	-24	-24	PG	58
MA	WORCESTER	FITCHBURG 4 SE	71.75	42.55	101	-23	3	32	2	32	52	-23	-23	35	55	-29	-29	PG	58
MA	MIDDLESEX	FRAMINGHAM	71.42	42.28	52	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58
MA	ESSEX	HAVERHILL	71.07	42.77	6	-21	5	32	2	32	52	-21	-21	36	55	-31	-31	PG	58
MA	PLYMOUTH	HINGHAM	70.92	42.23	9	-21	3	31	2	31	51	-21	-21	35	55	-27	-27	PG	58
MA	BERKSHIRE	HOOSAC TUNNEL	72.97	42.68	244	-24	3	30	2	30	50	-24	-24	34	53	-30	-30	PG	58
MA	BARNSTABLE	HYANNIS	70.30	41.67	15	-18	4	28	2	28	48	-18	-18	32	52	-26	-26	PG	52
MA	HAMPSHIRE	KNIGHTVILLE DAM	72.87	42.28	192	-26	3	31	2	31	51	-26	-26	35	55	-32	-32	PG	58
MA	MIDDLESEX	LOWELL	71.37	42.65	351	-18	6	32	2	32	52	-18	-18	35	55	-30	-30	PG	58
MA	ESSEX	MIDDLETON	71.02	42.60	28	-22	4	31	2	31	51	-22	-22	35	54	-30	-30	PG	58
MA	NANTUCKET	NANTUCKET FAA AP	70.07	41.25	12	-14	3	27	2	27	47	-14	-14	31	51	-20	-20	PG	52
MA	BRISTOL	NEWBEDFORD	70.93	41.63	21	-17	3	30	2	30	50	-17	-17	34	54	-23	-23	PG	58
MA	ESSEX	PEABODY	70.98	42.53	52	-21	3	32	2	32	52	-21	-21	36	55	-27	-27	PG	58
MA	PLYMOUTH	PITTSFIELD	73.28	42.43	357	-25	3	30	2	30	50	-25	-25	34	54	-31	-31	PG	58
MA	BARNSTABLE	PLYMOUTH	70.67	41.95	28	-20	4	32	2	32	52	-20	-20	36	56	-28	-28	PG	58
MA	BARNSTABLE	PROVINCETOWN	70.18	42.05	6	-15	3	29	2	29	49	-15	-15	33	53	-21	-21	PG	58
MA	MIDDLESEX	READING	71.13	42.52	28	-23	3	32	1	32	52	-23	-23	34	54	-29	-29	PG	58
MA	PLYMOUTH	ROCHESTER	70.92	41.78	18	-21	3	31	2	31	51	-21	-21	35	55	-27	-27	PG	58
MA	ESSEX	ROCKPORT 1 ESE	70.60	42.65	24	-18	3	29	2	29	49	-18	-18	33	53	-24	-24	PG	58
MA	BARNSTABLE	SANDWICH	70.50	41.77	6	-15	2	29	2	29	49	-15	-15	33	53	-19	-19	PG	58
MA	FRANKLIN	SHELburne FALLS	72.73	42.62	137	-24	3	31	2	31	51	-24	-24	35	54	-30	-30	PG	58
MA	HAMDEN	SPRINGFIELD	72.58	42.10	58	-21	4	33	2	33	53	-21	-21	37	57	-29	-29	PG	58
MA	BERKSHIRE	STOCKBRIDGE	73.33	42.30	262	-27	4	29	2	29	49	-27	-27	33	53	-35	-35	PG	58
MA	BRISTOL	TAUNTON	71.07	41.90	6	-22	3	31	2	31	51	-22	-22	35	55	-28	-28	PG	58
MA	WORCESTER	TULLY LAKE	72.22	42.63	210	-27	3	31	2	31	51	-27	-27	35	54	-33	-33	PG	58
MA	FRANKLIN	TURNERS FALLS	72.55	42.62	58	-26	4	32	2	32	52	-26	-26	36	55	-34	-34	PG	58
MA	NORFOLK	WALPOLE	71.23	42.17	52	-22	5	30	2	30	50	-22	-22	34	54	-32	-32	PG	58

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY				BINDER GRADE			
						TEMP				TEMPERATURES				PG				TEMPERATURES				PG			
						LOW	STD	HIGH	TEMP	MAX	AIR	MIN	PVT	HT	LT	MAX	AIR	MIN	PVT	HT	LT	MAX	AIR	MIN	PVT
MA	NORFOLK	WEST MEDWAY	71.43	42.13	64	-25	3	32	2	32	52	-25	-25	PG	52	36	56	-31	-31	PG	58	36	56	-31	-31
MA	MIDDLESEX	WESTON	71.32	42.38	67	-22	4	32	2	32	52	-22	-22	PG	52	36	55	-30	-30	PG	58	36	55	-30	-30
MA	WORCESTER	WORCESTER WSO AP	71.87	42.27	302	-22	3	29	2	29	49	-22	-22	PG	52	33	53	-28	-28	PG	58	33	53	-28	-28
MA	WORCESTER	WORCESTER	71.82	42.30	189	-22	3	31	2	31	51	-22	-22	PG	52	35	55	-28	-28	PG	58	35	55	-28	-28
MD	HARFORD	ABERDEEN PHILLIPS FLD	76.17	39.47	18	-16	4	33	2	33	53	-16	-16	PG	58	37	57	-24	-24	PG	58	37	57	-24	-24
MD	ANNE ARUNDEL	ANNAPOLIS POLICE BRKS	76.50	38.98	9	-16	3	34	2	34	54	-16	-16	PG	58	38	58	-22	-22	PG	64	38	58	-22	-22
MD	WORCESTER	ASSATEAGUE ISLAND N S	75.13	38.23	3	-13	3	32	2	32	53	-13	-13	PG	58	36	57	-22	-22	PG	58	36	57	-22	-22
MD	ANNE ARUNDEL	BALTIMORE WSO AP	76.67	39.18	61	-16	3	34	1	34	54	-16	-16	PG	58	37	57	-22	-22	PG	58	37	57	-22	-22
MD	PRINCE GEORGES	BELTSVILLE	76.88	39.03	37	-18	4	33	2	33	53	-18	-18	PG	58	35	55	-26	-26	PG	58	35	55	-26	-26
MD	PRINCE GEORGES	BELTSVILLE PLANT STN 5	76.95	39.02	30	-18	4	33	1	33	54	-18	-18	PG	58	35	55	-26	-26	PG	58	35	55	-26	-26
MD	HARFORD	BENSON POLICE BARRACKS	76.38	39.50	113	-18	3	33	2	33	53	-18	-18	PG	58	37	57	-24	-24	PG	58	37	57	-24	-24
MD	GARRETT	BITTINGER 2 N W	79.25	39.62	824	-23	3	28	2	28	49	-23	-23	PG	52	32	52	-29	-29	PG	58	32	52	-29	-29
MD	DORCHESTER	BLACKWATER REFUGE	76.13	38.43	3	-13	3	33	2	33	53	-13	-13	PG	58	35	55	-23	-23	PG	58	35	55	-23	-23
MD	MONTGOMERY	BOYDS 2 NW	77.33	39.22	177	-17	3	33	1	33	53	-17	-17	PG	58	35	55	-23	-23	PG	58	35	55	-23	-23
MD	FREDERICK	CATOCTIN MOUNTAIN PARK	77.48	39.65	491	-20	3	29	1	29	50	-20	-20	PG	52	31	51	-26	-26	PG	58	31	51	-26	-26
MD	QUEEN ANNES	CENTREVILLE	76.07	39.05	18	-16	4	33	1	33	53	-16	-16	PG	58	35	55	-24	-24	PG	58	35	55	-24	-24
MD	KENT	CHESTERTOWN	76.07	39.22	12	-15	3	34	2	34	54	-15	-15	PG	58	38	58	-21	-21	PG	64	38	58	-21	-21
MD	WASHINGTON	CHEWSVILLE BRIDGEPORT	77.67	39.65	174	-19	4	33	2	33	53	-19	-19	PG	58	37	57	-27	-27	PG	58	37	57	-27	-27
MD	HOWARD	CLARKSVILLE 3 NNE	76.93	39.25	113	-21	4	34	2	34	54	-21	-21	PG	58	38	58	-29	-29	PG	64	38	58	-29	-29
MD	KENT	COLEMAN 3 WNW	76.13	39.35	24	-13	3	34	2	34	54	-13	-13	PG	58	36	56	-24	-24	PG	64	36	56	-24	-24
MD	PRINCE GEORGES	CONOWINGO DAM	76.95	38.98	28	-16	4	34	1	34	54	-16	-16	PG	58	37	57	-23	-23	PG	58	37	57	-23	-23
MD	HARFORD	CRISFIELD SOMERS COVE	76.17	39.65	12	-17	3	33	2	33	53	-17	-17	PG	58	34	54	-18	-18	PG	58	34	54	-18	-18
MD	SOMERSET	CUMBERLAND	75.87	37.98	3	-12	3	32	1	32	53	-12	-12	PG	58	35	55	-18	-18	PG	58	35	55	-18	-18
MD	ALLEGANY	CUMBERLAND POLICE BRKS	78.75	39.65	274	-17	3	34	2	34	54	-17	-17	PG	58	37	57	-25	-25	PG	64	37	57	-25	-25
MD	ALLEGANY	DALECARLIA RESERVOIR DC	78.83	39.63	296	-19	3	33	2	33	53	-19	-19	PG	58	38	58	-22	-22	PG	64	38	58	-22	-22
MD	CAROLINE	DENTON 2 E	77.12	38.93	46	-16	3	34	2	34	54	-16	-16	PG	58	37	57	-25	-25	PG	64	37	57	-25	-25
MD	TALBOT	EASTON POLICE BARRACKS	75.80	38.88	15	-16	4	34	2	34	54	-16	-16	PG	58	38	58	-24	-24	PG	64	38	58	-24	-24
MD	CECIL	ELKTON	75.83	39.62	12	-16	3	34	2	34	54	-16	-16	PG	58	35	55	-20	-20	PG	58	35	55	-20	-20
MD	FREDERICK	EMMITSBURG 2 SE	77.30	39.68	128	-21	4	33	2	33	53	-21	-21	PG	58	38	58	-22	-22	PG	64	38	58	-22	-22
MD	ANNE ARUNDEL	FORT GEORGE MEADE	76.75	39.10	43	-18	3	34	2	34	54	-18	-18	PG	58	37	57	-29	-29	PG	58	37	57	-29	-29
MD	FREDERICK	FREDERICK POLICE BRKS	77.43	39.42	116	-17	4	34	2	34	54	-17	-17	PG	58	38	58	-24	-24	PG	64	38	58	-24	-24
MD	FREDERICK	FREDERICK WFMD	77.47	39.42	134	-17	4	33	2	33	53	-17	-17	PG	58	37	57	-25	-25	PG	58	37	57	-25	-25
MD	ALLEGANY	FROSTBURG	78.93	39.65	653	-19	3	31	2	31	51	-19	-19	PG	52	35	55	-25	-25	PG	58	35	55	-25	-25
MD	PRINCE GEORGES	GLENN DALE BELL STN	76.80	38.97	46	-18	3	34	1	34	54	-18	-18	PG	58	36	56	-24	-24	PG	58	36	56	-24	-24
MD	WASHINGTON	HAGERSTOWN	77.73	39.65	201	-18	3	33	2	33	53	-18	-18	PG	58	37	57	-24	-24	PG	58	37	57	-24	-24
MD	WASHINGTON	HANCOCK FRUIT LAB	78.18	39.70	131	-21	3	33	2	33	53	-21	-21	PG	58	37	57	-27	-27	PG	58	37	57	-27	-27
MD	WASHINGTON	KEEDYSVILLE	77.70	39.48	128	-19	5	36	2	36	56	-19	-19	PG	58	40	60	-29	-29	PG	64	40	60	-29	-29
MD	CHARLES	LA PLATA 1 W	77.00	38.53	43	-17	3	33	2	33	53	-17	-17	PG	58	37	57	-23	-23	PG	58	37	57	-23	-23
MD	PRINCE GEORGES	LAUREL 3 W	76.90	39.10	122	-14	3	34	2	34	54	-14	-14	PG	58	38	58	-20	-20	PG	64	38	58	-20	-20
MD	KENT	MILLINGTON 1 SE	75.87	39.27	9	-18	4	34	2	34	54	-18	-18	PG	58	38	58	-26	-26	PG	64	38	58	-26	-26
MD	KENT	NATIONAL ARBORETUM DC	76.97	38.90	15	-14	3	34	2	34	54	-14	-14	PG	58	38	58	-20	-20	PG	64	38	58	-20	-20
MD	GARRETT	OAKLAND 1 SE	79.40	39.40	738	-26	4	29	2	29	50	-26	-26	PG	52	33	53	-34	-34	PG	58	33	53	-34	-34
MD	CALVERT	OWINGS FERRY LANDING	76.67	38.68	49	-15	4	33	2	33	54	-15	-15	PG	58	37	57	-23	-23	PG	58	37	57	-23	-23
MD	BALTIMORE	PARKTON 2 SW	76.70	39.63	183	-18	3	32	2	32	52	-18	-18	PG	58	36	56	-24	-24	PG	58	36	56	-24	-24
MD	ALLEGANY	PICARDY	78.52	39.55	314	-18	3	33	2	33	53	-18	-18	PG	58	37	57	-24	-24	PG	58	37	57	-24	-24
MD	WORCESTER	POCOMOKE CITY	75.55	38.07	6	-13	6	33	2	33	54	-13	-13	PG	58	37	58	-25	-25	PG	58	37	58	-25	-25
MD	PRINCE GEORGES	PRESTON 1 S	75.92	38.70	15	-14	4	33	1	33	54	-14	-14	PG	58	35	55	-22	-22	PG	58	35	55	-22	-22
MD	CALVERT	PRINCE FREDERICK 1 N	76.58	38.55	43	-15	3	33	1	33	54	-15	-15	PG	58	35	56	-21	-21	PG	58	35	56	-21	-21
MD	SOMERSET	PRINCESS ANNE	75.68	38.22	6	-15	5	33	2	33	54	-15	-15	PG	58	37	58	-25	-25	PG	58	37	58	-25	-25
MD	MONTGOMERY	ROCKVILLE 1 NE	77.10	39.10	134	-16	4	33	2	33	53	-16	-16	PG	58	37	57	-24	-24	PG	58	37	57	-24	-24
MD	TALBOT	ROYAL OAK 2 SSW	76.18	38.72	3	-14	3	33	1	33	54	-14	-14	PG	58	35	55	-20	-20	PG	58	35	55	-20	-20
MD	WICOMICO	SALISBURY	75.58	38.37	3	-14	3	33	1	33	54	-14	-14	PG	58	35	56	-20	-20	PG	58	35	56	-20	-20

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY						98% RELIABILITY						BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			BINDER GRADE	
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT
NE YORK		SANFORD 2 NNW	70.78	43.47	85	-27	3	32	1	32	51	-27	-27	32	51	-27	-27	34	53	-33	-33	PG	58 -34
NE PENOBSCOT		SPRINGFIELD	68.17	45.40	134	-31	3	29	2	29	48	-31	-31	29	48	-31	-31	33	52	-37	-37	PG	52 -40
NE AROOSTOOK		SQUA PAN DAM	68.33	46.55	186	-36	3	29	2	29	48	-36	-36	29	48	-36	-36	33	51	-42	-42	PG	52 -46
NE PISCATAQUIS		TELOS DAM	69.13	46.15	293	-25	9	27	3	27	46	-25	-25	27	46	-25	-25	33	51	-43	-43	PG	52 -46
NE WASHINGTON		VANCEBORO 2	67.43	45.57	119	-31	3	30	1	30	49	-31	-31	30	49	-31	-31	32	51	-37	-37	PG	52 -40
NE KENNEBEC		WATERVILLE PUMP STN	69.65	44.55	28	-29	3	31	1	31	50	-29	-29	31	50	-29	-29	33	52	-35	-35	PG	52 -40
NE YORK		WEST BUXTON 2 NNW	70.62	43.70	46	-31	3	30	2	30	49	-31	-31	30	49	-31	-31	34	53	-37	-37	PG	52 -40
NE WASHINGTON		WOODLAND	67.40	45.15	43	-28	4	31	2	31	50	-28	-28	31	50	-28	-28	35	54	-36	-36	PG	58 -40
NC CHEPREE		ANDREWS	83.83	35.20	534	-18	4	32	1	32	53	-18	-18	32	53	-18	-18	34	55	-26	-26	PG	58 -28
NC WARREN		ARCOLA	77.98	36.30	101	-14	3	34	2	34	55	-14	-14	34	55	-14	-14	38	59	-20	-20	PG	64 -22
NC RANDOLPH		ASHEBORO 2 W	79.83	35.70	265	-13	3	34	2	34	55	-13	-13	34	55	-13	-13	38	59	-19	-19	PG	64 -22
NC BUNCOMBE		ASHEVILLE WSO AP	82.55	35.43	653	-17	4	31	2	31	52	-17	-17	31	52	-17	-17	35	56	-25	-25	PG	58 -28
NC BUNCOMBE		ASHEVILLE	82.53	35.60	683	-16	4	32	1	32	53	-16	-16	32	53	-16	-16	34	55	-24	-24	PG	58 -28
NC PAMLICO		BAYBORO 3 E	76.72	35.15	3	-12	3	34	2	34	55	-12	-12	34	55	-12	-12	38	59	-18	-18	PG	64 -22
NC BUNCOMBE		BENT CREEK	82.60	35.50	644	-18	3	32	2	32	53	-18	-18	32	53	-18	-18	36	57	-24	-24	PG	58 -28
NC BUNCOMBE		BLACK MOUNTAIN	82.35	35.62	698	-17	3	32	2	32	53	-17	-17	32	53	-17	-17	36	57	-23	-23	PG	58 -28
NC BUNCOMBE		BLOWING ROCK	81.70	36.15	1174	-20	6	27	2	27	48	-20	-20	27	48	-20	-20	31	52	-32	-32	PG	58 -34
NC WATAUGA		BODIE ISLAND	75.55	35.83	3	-8	3	33	1	33	54	-8	-8	33	54	-8	-8	35	56	-14	-14	PG	58 -16
NC DARE		BOONE	81.67	36.22	988	-19	4	28	2	28	49	-19	-19	28	49	-19	-19	32	53	-27	-27	PG	58 -28
NC WATAUGA		BREVARD	82.73	35.23	659	-17	4	32	1	32	53	-17	-17	32	53	-17	-17	34	55	-25	-25	PG	58 -28
NC TRANSYLVANIA		BURLINGTON FIRE STN	79.43	36.08	204	-13	3	34	2	34	55	-13	-13	34	55	-13	-13	38	59	-19	-19	PG	64 -22
NC ALAMANCE		CAROLEEN	81.80	35.28	247	-13	3	36	2	36	57	-13	-13	36	57	-13	-13	40	61	-19	-19	PG	64 -22
NC RUTHERFORD		CATALOOCH	83.10	35.62	799	-19	4	29	1	29	50	-19	-19	29	50	-19	-19	31	52	-27	-27	PG	58 -28
NC HAYWOOD		CEDAR ISLAND	76.30	34.98	3	-9	3	34	1	34	55	-9	-9	34	55	-9	-9	36	57	-15	-15	PG	58 -16
NC CARTERET		CELO 2 S	82.18	35.83	817	-20	3	29	2	29	50	-20	-20	29	50	-20	-20	33	54	-26	-26	PG	58 -28
NC YANCEY		CHAPEL HILL 2 W	79.10	35.92	152	-13	3	34	2	34	55	-13	-13	34	55	-13	-13	38	59	-19	-19	PG	64 -22
NC ORANGE		CHARLOTTE WSO AP	80.93	35.22	214	-12	3	34	2	34	55	-12	-12	34	55	-12	-12	38	59	-18	-18	PG	64 -22
NC MECKLENBURG		CLINTON 2 S	78.32	34.97	46	-10	2	34	2	34	55	-10	-10	34	55	-10	-10	38	59	-14	-14	PG	64 -16
NC SAMPSON		COLUMBIA 2	76.25	35.92	3	-9	6	34	2	34	55	-9	-9	34	55	-9	-9	38	59	-21	-21	PG	64 -22
NC TYRELL		CONCORD	80.60	35.42	210	-12	3	36	2	36	57	-12	-12	36	57	-12	-12	40	61	-18	-18	PG	64 -22
NC CABARRUS		DUNN 4 NW	78.68	35.32	61	-13	3	34	2	34	55	-13	-13	34	55	-13	-13	38	59	-19	-19	PG	64 -22
NC HARNETT		EDENTON	76.62	36.05	6	-11	3	34	2	34	55	-11	-11	34	55	-11	-11	38	59	-17	-17	PG	64 -22
NC CHOWAN		ELIZABETH CITY	76.20	36.32	3	-11	3	34	2	34	55	-11	-11	34	55	-11	-11	38	59	-17	-17	PG	64 -22
NC PASQUOTANK		ELIZABETH CITY FAA AP	76.18	36.27	3	-10	2	33	2	33	54	-10	-10	33	54	-10	-10	37	58	-14	-14	PG	58 -16
NC PASQUOTANK		ELIZABETH TOWN LOCK 2	78.58	34.63	18	-12	3	34	1	34	55	-12	-12	34	55	-12	-12	36	57	-18	-18	PG	58 -22
NC BLADEN		ENKA	82.65	35.55	625	-14	6	32	1	32	53	-14	-14	32	53	-14	-14	34	55	-26	-26	PG	58 -28
NC BUNCOMBE		FAYETTEVILLE	78.87	35.07	30	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64 -22
NC CUMBERLAND		FLETCHER 2 NE	82.48	35.45	638	-18	3	31	1	31	52	-18	-18	31	52	-18	-18	33	54	-24	-24	PG	58 -28
NC BUNCOMBE		FLETCHER 3 W	82.57	35.43	631	-17	4	31	1	31	52	-17	-17	31	52	-17	-17	33	54	-25	-25	PG	58 -28
NC HENDERSON		FRANKLIN	83.38	35.18	634	-18	3	32	1	32	53	-18	-18	32	53	-18	-18	34	55	-24	-24	PG	58 -28
NC MACON		GASTONIA	81.18	35.28	232	-12	3	35	2	35	56	-12	-12	35	56	-12	-12	39	60	-18	-18	PG	64 -22
NC GASTON		GATESVILLE	76.72	36.43	12	-13	3	34	2	34	55	-13	-13	34	55	-13	-13	38	59	-19	-19	PG	64 -22
NC GATES		GILLESPIE GAP	82.05	35.87	860	-18	3	29	1	29	50	-18	-18	29	50	-18	-18	31	52	-24	-24	PG	58 -28
NC WAYNE		GOLDSBORO 4 SE	77.97	35.33	34	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64 -22
NC AVERY		GRANDFATHER MOUNTAIN	81.82	36.10	1616	-24	4	23	1	23	45	-24	-24	23	45	-24	-24	25	47	-32	-32	PG	52 -34
NC GUILFORD		GREENSBORO PUMP STATION	79.80	36.08	235	-13	2	34	1	34	55	-13	-13	34	55	-13	-13	36	57	-20	-20	PG	58 -22
NC GUILFORD		GREENSBORO WSO AP	79.95	36.08	272	-14	3	34	1	34	55	-14	-14	34	55	-14	-14	37	58	-18	-18	PG	64 -22
NC PITT		GREENVILLE	77.38	35.62	9	-12	3	35	1	35	56	-12	-12	35	56	-12	-12	37	58	-18	-18	PG	64 -22
NC DARE		HATTERAS	75.68	35.22	15	-6	3	31	1	31	52	-6	-6	31	52	-6	-6	34	55	-20	-20	PG	58 -16
NC DARE		HENDERSON 2 NNW	78.42	36.37	146	-14	3	34	2	34	55	-14	-14	34	55	-14	-14	38	59	-20	-20	PG	64 -22
NC VANCE		HICKORY	81.35	35.75	357	-13	2	33	2	33	54	-13	-13	33	54	-13	-13	37	58	-17	-17	PG	64 -22
NC BURKE		HICKORY FAA AP	81.38	35.73	348	-13	3	34	2	34	55	-13	-13	34	55	-13	-13	38	59	-19	-19	PG	64 -22
NC MACON		HIGHLANDS	83.18	35.05	1171	-18	4	28	1	28	50	-18	-18	28	50	-18	-18	30	52	-26	-26	PG	52 -28

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				BINDER GRADE	
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT	PG	HT
NC	GUILFORD	HIGH POINT	79.98	35.97	278	-13	3	34	2	34	-13	55	-13	38	-19	59	-19	PG	64 -22
NC	MADISON	HOT SPRINGS 2	82.83	35.90	451	-17	3	33	2	33	-17	54	-17	37	-23	58	-23	PG	64 -22
NC	NORTHAMPTON	JACKSON	77.42	36.40	40	-13	3	34	2	34	-13	55	-13	38	-19	59	-19	PG	64 -22
NC	MONTGOMERY	JACKSON SPRINGS 5 WNW	79.73	35.22	223	-12	3	34	2	34	-12	55	-12	38	-18	59	-18	PG	64 -22
NC	ASHE	JEFFERSON 2 ESE	81.43	36.42	845	-21	3	29	2	29	-21	50	-21	33	-27	54	-27	PG	58 -28
NC	DUPLIN	KENASVILLE 1 E	77.95	34.97	30	-12	2	34	1	34	-12	55	-12	36	-16	57	-16	PG	58 -16
NC	LENOIR	KINSTON 5 SE	77.53	35.22	18	-12	3	34	1	34	-12	55	-12	36	-18	57	-18	PG	58 -22
NC	LENOIR	KINSTON 7 NNE	77.55	35.37	18	-12	3	34	1	34	-12	55	-12	36	-18	57	-18	PG	58 -22
NC	DURHAM	LAKE MICHIE	78.83	36.15	101	-14	3	34	2	34	-14	55	-14	38	-20	59	-20	PG	64 -22
NC	SCOTLAND	LAURINBURG	79.45	34.75	64	-11	3	36	2	36	-11	57	-11	40	-17	61	-17	PG	64 -22
NC	CALDWELL	LENOIR	81.53	35.92	366	-15	3	34	2	34	-15	55	-15	38	-21	59	-21	PG	64 -22
NC	BERTIE	LEWISTON	77.17	36.13	15	-13	3	34	2	34	-13	55	-13	38	-19	59	-19	PG	64 -22
NC	DAVIDSON	LEXINGTON	80.27	35.85	232	-13	3	35	2	35	-13	56	-13	39	-19	60	-19	PG	64 -22
NC	LINCOLN	LINCOLNTON 4 W	81.32	35.47	299	-14	3	34	2	34	-14	55	-14	38	-20	59	-20	PG	64 -22
NC	FRANKLIN	LOUISBURG	78.32	36.10	79	-15	3	35	2	35	-15	56	-15	39	-21	60	-21	PG	64 -22
NC	ROBESON	LUMBERTON 6 NW	79.07	34.70	40	-11	3	35	2	35	-11	56	-11	39	-17	60	-17	PG	64 -22
NC	MADISON	MARSHALL	82.68	35.80	625	-18	4	32	2	32	-18	53	-18	36	-26	57	-26	PG	58 -28
NC	ONSLOW	MAYSVILLE 6 SW	77.30	34.83	12	-13	2	34	1	34	-13	55	-13	36	-17	57	-17	PG	58 -22
NC	CHATHAM	MONCURE 3 SE	79.05	35.58	61	-15	3	36	2	36	-15	57	-15	40	-21	61	-21	PG	64 -22
NC	UNION	MONROE 4 SE	80.50	34.97	177	-13	3	36	2	36	-13	57	-13	40	-19	61	-19	PG	64 -22
NC	CARTERET	MOREHEAD CITY 2 WNW	76.73	34.73	3	-9	3	32	1	32	-9	53	-9	34	-15	55	-15	PG	58 -16
NC	BURKE	MORGANTON	81.68	35.75	354	-14	3	34	2	34	-14	55	-14	38	-20	59	-20	PG	64 -22
NC	CALDWELL	MORTIMER	81.78	35.98	458	-16	2	32	2	32	-16	53	-16	36	-20	57	-20	PG	58 -22
NC	SURRY	MOUNT AIRY	80.62	36.52	314	-15	3	34	2	34	-15	55	-15	38	-21	59	-21	PG	64 -22
NC	MONTGOMERY	MOUNT GILEAD 4 W	80.07	35.20	67	-12	2	36	2	36	-12	57	-12	40	-16	61	-16	PG	64 -16
NC	CHEROKEE	MURPHY 2 NE	84.00	35.12	500	-16	6	32	2	32	-16	53	-16	36	-28	57	-28	PG	58 -28
NC	NASH	NASHVILLE	77.97	35.97	64	-12	3	35	2	35	-12	56	-12	39	-18	60	-18	PG	64 -22
NC	CRAVEN	NEW BERN 3 NW	77.08	35.13	3	-10	2	35	1	35	-10	56	-10	37	-14	58	-14	PG	64 -16
NC	WILKES	NORTH WILKESBORO	81.15	36.17	342	-16	3	33	2	33	-16	54	-16	37	-22	58	-22	PG	58 -22
NC	SWAIN	OCCONALUFEE	83.30	35.52	622	-19	4	31	2	31	-19	52	-19	35	-27	56	-27	PG	58 -28
NC	HYDE	OCRAOCCO	75.98	35.13	3	-6	3	32	1	32	-6	53	-6	34	-12	55	-12	PG	58 -16
NC	GRANVILLE	OXFORD 2 SW	78.62	36.28	152	-13	3	34	2	34	-13	55	-13	38	-19	59	-19	PG	64 -22
NC	MOORE	PINEHURST SRN PINES	79.47	35.20	168	-12	2	35	2	35	-12	56	-12	39	-16	60	-16	PG	64 -16
NC	TRANSYLVANIA	PISGAH FOREST 1 N	82.70	35.27	644	-17	3	31	1	31	-17	52	-17	33	-23	54	-23	PG	58 -28
NC	WASHINGTON	PLYMOUTH 5 E	76.65	35.87	6	-12	3	34	1	34	-12	55	-12	36	-18	57	-18	PG	58 -22
NC	WAKE	RALEIGH 4 SW	78.68	35.73	128	-12	3	34	2	34	-12	55	-12	38	-18	59	-18	PG	64 -22
NC	WAKE	RALEIGH STATE UNIV	78.70	35.78	1244	-11	6	34	2	34	-11	55	-11	38	-23	59	-23	PG	64 -28
NC	WAKE	REIDSVILLE	79.63	36.35	253	-12	3	35	2	35	-12	56	-12	39	-18	60	-18	PG	64 -22
NC	ROCKINGHAM	REIDSVILLE 2 NW	79.70	36.38	272	-13	3	33	2	33	-13	54	-13	37	-21	58	-21	PG	58 -22
NC	EDGEcombe	REIDSVILLE 8 ESE	77.72	35.90	34	-13	3	34	2	34	-13	55	-13	38	-19	59	-19	PG	58 -22
NC	ROWAN	ROCKY MOUNT 8 ESE	80.62	35.70	253	-16	3	34	1	34	-16	55	-16	36	-22	57	-22	PG	58 -22
NC	PERSON	ROWAN RESEARCH STATION	79.00	36.40	223	-15	3	34	2	34	-15	55	-15	38	-21	59	-21	PG	64 -22
NC	CLEVELAND	ROXBORO	81.53	35.32	281	-13	4	34	2	34	-13	55	-13	38	-21	59	-21	PG	64 -22
NC	CHATHAM	SHELBY 2 NNE	79.48	35.70	186	-15	3	34	2	34	-15	55	-15	38	-21	59	-21	PG	64 -22
NC	DUPLIN	SILER CITY 2 S	77.82	34.78	15	-11	2	34	1	34	-11	55	-11	36	-15	57	-15	PG	58 -16
NC	JOHNSTON	SLOAN 3 S	78.35	35.52	46	-12	3	36	2	36	-12	57	-12	40	-18	61	-18	PG	64 -22
NC	MOORE	SMITHFIELD	79.43	35.17	152	-12	3	36	2	36	-12	57	-12	37	-18	58	-18	PG	64 -22
NC	BRUNSWICK	SOUTHERN PINES 2 W	78.02	34.00	6	-10	4	33	2	33	-10	55	-10	38	-22	59	-22	PG	64 -22
NC	IREDELL	SOUTHPORT 5 N	80.88	35.82	290	-14	4	34	2	34	-14	55	-14	38	-24	55	-24	PG	58 -28
NC	GRAHAM	STATESVILLE 2 NNE	83.93	35.45	339	-16	4	32	1	32	-16	53	-16	39	-18	60	-18	PG	58 -22
NC	EDGEcombe	TAPOCO	77.53	35.88	12	-12	3	35	2	35	-12	56	-12	34	-23	55	-23	PG	58 -28
NC	JACKSON	TARBORO 1 S	83.13	35.23	705	-17	3	32	1	32	-17	53	-17	34	-17	60	-17	PG	64 -22
NC	JACKSON	TUCKASEE 2 S	87.13	35.23	705	-17	3	32	1	32	-17	53	-17	34	-23	55	-23	PG	58 -28
NC	ANSON	WADESBORO	80.07	34.97	146	-11	3	35	2	35	-11	56	-11	39	-17	60	-17	PG	64 -22

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
						TEMP			TEMPERATURES				TEMPERATURES				BINDER GRADE			
						LOW	STD	HIGH	AVG	STD	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	HT	LT
NC	HAYWOOD	WATERVILLE 2	83.10	35.77	439	-16	4	33	1		33	54	-16	-16	35	56	-24	-24	PG	58-28
NC	HALIFAX	WELDON	77.60	36.43	24	-12	3	36	2		36	57	-12	-12	40	61	-18	-18	PG	64-22
NC	COLUMBUS	WHITEVILLE	78.72	34.32	18	-9	2	34	2		34	55	-9	-9	38	59	-13	-13	PG	64-16
NC	MARTIN	WILLIAMSTON 1 ENE	77.03	35.85	6	-11	2	34	1		34	55	-11	-11	36	57	-15	-15	PG	58-16
NC	WILKES	W KERR SCOTT RESERVOIR	81.23	36.13	336	-17	3	33	2		33	54	-17	-17	37	58	-23	-23	PG	58-28
NC	YADKIN	YADKINVILLE 6 E	80.52	36.13	262	-16	3	34	2		34	55	-16	-16	38	59	-22	-22	PG	64-22
NC	CASWELL	YANCEVILLE 2 NNE	79.33	36.43	189	-14	3	34	2		34	55	-14	-14	38	59	-20	-20	PG	64-22
NH	GRAFTON	BENTON 5 SW	71.93	44.03	366	-29	2	29	1		29	48	-29	-29	31	50	-33	-33	PG	52-34
NH	GRAFTON	BETHLEHEM	71.68	44.28	421	-30	3	29	2		29	48	-30	-30	33	52	-36	-36	PG	58-40
NH	MERRIMACK	BLACKWATER DAM	71.72	43.32	183	-27	3	31	2		31	50	-27	-27	35	54	-37	-37	PG	58-40
NH	GRAFTON	CAMPTON	71.63	43.85	189	-31	3	31	2		31	50	-31	-31	35	54	-37	-37	PG	52-34
NH	COOS	COLEBROOK 2 E	71.48	44.90	317	-36	3	28	2		28	47	-36	-36	32	51	-42	-42	PG	52-40
NH	MERRIMACK	CONCORD WSO AP	71.50	43.20	107	-28	4	32	2		32	51	-28	-28	36	55	-36	-36	PG	58-40
NH	STRAFFORD	DURHAM	70.95	43.15	21	-27	4	32	2		32	51	-27	-27	36	55	-35	-35	PG	58-40
NH	HILLSBOROUGH	EAST DEERING	71.82	43.07	241	-27	4	30	2		30	50	-27	-27	34	53	-35	-35	PG	58-40
NH	ROCKINGHAM	EPING	71.08	43.03	49	-27	3	31	1		31	51	-27	-27	33	52	-33	-33	PG	58-34
NH	COOS	FABYAN	71.45	44.27	494	-34	3	28	2		28	47	-34	-34	32	51	-40	-40	PG	52-40
NH	COOS	FIRST CONN LAKE	71.28	45.08	506	-36	2	27	2		27	46	-36	-36	31	50	-40	-40	PG	52-40
NH	MERRIMACK	FRANKLIN	71.67	43.45	119	-27	4	32	2		32	51	-27	-27	36	55	-35	-35	PG	58-40
NH	MERRIMACK	FRANKLIN FALLS DAM	71.65	43.47	131	-26	8	31	3		31	50	-26	-26	37	56	-42	-42	PG	58-46
NH	GRAFTON	GRAFTON	71.95	43.57	253	-32	3	30	2		30	49	-32	-32	34	53	-38	-38	PG	58-40
NH	CHESHIRE	KEENE	72.27	42.92	146	-28	4	32	2		32	52	-28	-28	36	55	-36	-36	PG	58-40
NH	BELKNAP	LAKEPORT	71.47	43.55	171	-25	3	31	2		31	50	-25	-25	35	54	-31	-31	PG	58-34
NH	COOS	LANCASTER	71.58	44.48	278	-34	5	29	2		29	48	-34	-34	33	52	-44	-44	PG	58-46
NH	GRAFTON	LEBANON FAA AIRPORT	72.32	43.63	171	-29	3	31	2		31	50	-29	-29	35	54	-35	-35	PG	58-40
NH	HILLSBOROUGH	MANCHESTER	71.47	43.00	52	-26	4	31	2		31	51	-26	-26	35	54	-34	-34	PG	58-34
NH	HILLSBOROUGH	MASSABESIC LAKE	71.40	42.98	76	-27	4	31	2		31	51	-27	-27	35	54	-35	-35	PG	58-40
NH	SCOTT'S GRAFTON	MONROE 5 NNE	72.00	44.32	201	-32	4	29	2		29	48	-32	-32	33	52	-40	-40	PG	58-40
NH	MERRIMACK	MOUNT SUNAPEE	72.08	43.33	387	-26	3	29	2		29	49	-26	-26	33	52	-32	-32	PG	58-34
NH	COOS	MOUNT WASHINGTON	71.30	44.27	1909	-37	3	16	1		16	36	-37	-37	18	38	-43	-43	PG	<40 -46
NH	HILLSBOROUGH	NASHUA 2 NNW	71.48	42.78	40	-26	3	32	2		32	52	-26	-26	36	55	-32	-32	PG	58-34
NH	COOS	NORTH STRATFORD	71.63	44.75	278	-35	2	30	2		30	49	-35	-35	34	53	-39	-39	PG	58-40
NH	HILLSBOROUGH	PETERBORO 2 S	71.95	42.85	311	-26	3	29	2		29	49	-26	-26	33	52	-32	-32	PG	58-34
NH	COOS	PINKHAM NOTCH	71.25	44.27	613	-28	3	27	2		27	46	-28	-28	31	50	-34	-34	PG	52-34
NH	GRAFTON	PLYMOUTH	71.65	43.78	201	-28	3	30	1		30	49	-28	-28	32	51	-34	-34	PG	52-34
NH	CHESHIRE	SURRY MOUNTAIN LAKE	72.32	43.00	168	-29	3	31	2		31	51	-29	-29	35	54	-35	-35	PG	58-40
NH	ROCKINGHAM	WINDHAM 3 NW	71.33	42.82	67	-27	4	32	2		32	52	-27	-27	36	55	-35	-35	PG	58-40
NH	GRAFTON	WOODSTOCK	71.68	43.98	220	-28	3	30	2		30	49	-28	-28	34	53	-34	-34	PG	58-34
NJ	ATLANTIC	ATLANTIC CITY WSO AP	74.57	39.45	43	-18	3	32	2		32	52	-18	-18	36	56	-24	-24	PG	58-28
NJ	ATLANTIC	AUDUBON	74.43	39.38	3	-12	3	30	2		30	51	-12	-12	37	57	-22	-22	PG	58-22
NJ	BURLINGTON	BURLINGTON	75.08	39.88	12	-16	3	33	2		33	53	-16	-16	38	58	-20	-20	PG	64-22
NJ	BURLINGTON	CANOE BROOK	74.87	40.08	3	-14	3	34	2		34	54	-14	-14	37	57	-22	-22	PG	58-34
NJ	ESSEX	CAPE MAY 2 NW	74.35	40.75	55	-22	4	33	2		33	53	-22	-22	35	55	-30	-30	PG	58-34
NJ	PASSAIC	CHARLOTTEBURG RESERVOIR	74.93	38.95	6	-13	3	31	2		31	52	-13	-13	36	56	-30	-30	PG	58-34
NJ	BURLINGTON	CHATS WORTH	74.43	41.03	232	-22	4	32	2		32	52	-22	-22	37	57	-26	-26	PG	58-28
NJ	UNION	CRAWFORD	74.30	40.65	24	-18	3	33	2		33	53	-18	-18	37	57	-24	-24	PG	58-28
NJ	UNION	ELIZABETH	74.23	40.67	12	-17	3	34	2		34	54	-17	-17	38	58	-23	-23	PG	58-28
NJ	ESSEX	ESSEX FELS SERV BLDG	74.28	40.83	107	-19	3	33	2		33	53	-19	-19	37	57	-25	-25	PG	58-28
NJ	HUNTERDON	FLEMINGTON	74.87	40.50	55	-20	4	34	2		34	54	-20	-20	38	58	-28	-28	PG	58-28
NJ	GLOUCESTER	GLASSBORO	75.12	39.70	40	-17	3	33	2		33	53	-17	-17	37	57	-23	-23	PG	58-28
NJ	ATLANTIC	HAMMONTON 2 NNE	74.80	39.65	28	-17	3	34	2		34	54	-17	-17	38	58	-23	-23	PG	64-28
NJ	SUSSEX	HIGH POINT PARK	74.67	41.30	430	-22	4	29	2		29	49	-22	-22	33	53	-30	-30	PG	58-34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG			LAT			ELEV			AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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NJ	MERCER	HIGHTSTOWN 2 W	74.57	40.27	30	-18	3	33	2	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53	-18	3	33	53</

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

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ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
			LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
			AVG	STD	AVG	STD	MAX	AIR	MAX	PVT	MAX	AIR	MAX	PVT		
NY	ERIE	COLDEN 1 N	78.68	42.67	314	2	29	2	29	-27	49	2	29	-27	PG	52 -28
NY	OTSEGO	COOPERSTOWN	74.92	42.70	378	2	30	2	30	-27	50	2	30	-27	PG	52 -28
NY	CORTLAND	CORTLAND	76.18	42.60	345	2	31	2	31	-24	51	2	31	-24	PG	52 -28
NY	LIVINGSTON	DANVILLE	77.70	42.57	210	2	32	2	32	-22	52	2	32	-22	PG	52 -28
NY	DELAWARE	DELHI 2 SW	74.93	42.25	412	2	31	2	31	-28	51	2	31	-28	PG	52 -28
NY	DELAWARE	HALE EDDY 4 NNW	75.43	42.07	305	2	31	2	31	-28	51	2	31	-28	PG	52 -28
NY	WESTCHESTER	DOBBS FERRY	73.87	41.02	73	2	33	2	33	-17	53	2	33	-17	PG	52 -28
NY	DELAWARE	DOWNSVILLE DAM	74.97	42.08	396	2	31	2	31	-31	50	2	31	-31	PG	52 -28
NY	ESSEX	ELIZABETHTOWN 1 N	73.58	44.22	177	3	31	2	31	-22	52	2	31	-22	PG	52 -28
NY	CHEMUNG	ELMIRA	76.82	42.08	262	2	32	2	32	-22	52	2	32	-22	PG	52 -28
NY	CATTARAUGUS	FRANKLINVILLE 1 SSW	78.47	42.33	482	2	29	2	29	-29	49	2	29	-29	PG	52 -28
NY	ONTARIO	GENEVA SCS	77.02	42.88	189	2	32	2	32	-22	52	2	32	-22	PG	52 -28
NY	ONTARIO	GENEVA RESEARCH FARM	77.03	42.88	220	2	30	2	30	-22	50	2	30	-22	PG	52 -28
NY	DUTCHESS	GLENHAM	73.93	41.52	85	2	31	2	31	-30	50	2	31	-30	PG	52 -28
NY	WARREN	GLENS FALLS FARM	73.73	43.33	152	3	31	2	31	-29	50	2	31	-29	PG	52 -28
NY	WARREN	GLENS FALLS FAA AP	73.62	43.35	98	2	31	2	31	-29	50	2	31	-29	PG	52 -28
NY	FULTON	GLOVERSVILLE	74.35	43.05	247	2	30	2	30	-27	50	2	30	-27	PG	52 -28
NY	ST LAWRENCE	GOVERNOR	75.48	44.33	140	3	30	2	30	-33	49	2	30	-33	PG	52 -28
NY	ERIE	GOWANDA STATE HOSPITAL	78.93	42.48	265	2	31	2	31	-23	51	2	31	-23	PG	52 -28
NY	RENSSELAER	GRAFTON 1 NW	73.47	42.78	476	2	30	2	30	-16	50	2	30	-16	PG	52 -28
NY	SUFFOLK	GREENPORT POWERHOUSE	72.37	41.10	6	2	30	2	30	-24	51	2	30	-24	PG	52 -28
NY	LIVINGSTON	HEMLOCK	77.62	42.78	274	2	31	2	31	-14	51	2	31	-14	PG	52 -28
NY	NASSAU	HEMPSTEAD-GARDEN CITY	73.63	40.72	24	2	31	2	31	-33	49	2	31	-33	PG	52 -28
NY	ONEIDA	HINCKLEY	75.12	43.32	363	2	32	2	32	-24	52	2	32	-24	PG	52 -28
NY	COLUMBIA	HUDSON STATE SCHOOL	73.80	42.25	18	2	32	2	32	-33	51	2	32	-33	PG	52 -28
NY	HAMILTON	INDIAN LAKE 2 SW	74.28	43.75	506	3	28	2	28	-24	47	2	28	-24	PG	52 -28
NY	TOMPKINS	ITHACA CORNELL UNIV	76.45	42.45	293	2	31	2	31	-24	51	2	31	-24	PG	52 -28
NY	ESSEX	LAKE PLACID CLUB	73.98	44.28	573	2	28	2	28	-32	47	2	28	-32	PG	52 -28
NY	ST LAWRENCE	LAWRENCEVILLE	74.87	44.75	146	3	29	2	29	-18	48	2	29	-18	PG	52 -28
NY	NIAGARA	LEWISTON 1 N	79.05	43.18	101	2	31	2	31	-25	50	2	31	-25	PG	52 -28
NY	SULLIVAN	LIBERTY	74.75	41.82	482	2	30	2	30	-24	49	2	30	-24	PG	52 -28
NY	HERKIMER	LITTLE FALLS CITY RES	74.87	43.07	274	2	32	2	32	-25	51	2	32	-25	PG	52 -28
NY	HERKIMER	LITTLE FALLS MILL ST	74.87	43.03	110	2	32	2	32	-26	49	2	32	-26	PG	52 -28
NY	CATTARAUGUS	LITTLE VALLEY	78.80	42.25	482	2	29	1	29	-21	50	2	29	-21	PG	52 -28
NY	NIAGARA	LOCKPORT 4 NE	78.63	43.20	134	2	31	1	31	-31	50	2	31	-31	PG	52 -28
NY	LEWIS	LOWVILLE	75.48	43.80	262	2	30	2	30	-32	49	2	30	-32	PG	52 -28
NY	ST LAWRENCE	MASSENA CAA AP	74.83	44.93	61	2	30	2	30	-24	49	2	30	-24	PG	52 -28
NY	SCHENECTADY	MIDDLEBURG	74.35	42.60	192	2	31	2	31	-24	51	2	31	-24	PG	52 -28
NY	ORANGE	MIDDLETOWN 2 NW	74.45	41.45	214	2	32	2	32	-22	52	2	32	-22	PG	52 -28
NY	DUTCHESS	MILLBROOK	73.62	41.85	250	2	31	2	31	-25	51	2	31	-25	PG	52 -28
NY	NASSAU	MINEOLA	73.63	40.73	40	2	32	2	32	-14	52	2	32	-14	PG	52 -28
NY	ULSTER	MOHONK LAKE	74.15	41.77	381	2	29	2	29	-21	49	2	29	-21	PG	52 -28
NY	MADISON	MORRISVILLE	75.65	42.90	396	2	30	2	30	-29	50	2	30	-29	PG	52 -28
NY	LIVINGSTON	MOUNT MORRIS 2 W	77.90	42.73	268	2	31	2	31	-22	51	2	31	-22	PG	52 -28
NY	TOMPKINS	MT PLEASANT FARM	76.37	42.45	503	2	28	1	28	-23	48	2	28	-23	PG	52 -28
NY	ESSEX	NEWCOMB 3 W	74.22	43.97	494	2	32	2	32	-31	52	2	32	-31	PG	52 -28
NY	KINGS	NEW YORK BENSON-HURST	73.97	40.60	6	2	32	2	32	-14	52	2	32	-14	PG	52 -28
NY	QUEENS	N Y INTER AP IDLEWILD	73.78	40.65	6	2	31	2	31	-14	51	2	31	-14	PG	52 -28
NY	QUEENS	NEW YORK LAUREL HILL	73.93	40.73	3	2	33	2	33	-14	53	2	33	-14	PG	52 -28
NY	QUEENS	NEW YORK WB LA GUARDIA	73.87	40.77	6	2	32	2	32	-16	52	2	32	-16	PG	52 -28
NY	RICHMOND	N Y WESTERLEIGH STAT IS	74.17	40.60	24	2	33	2	33	-16	53	2	33	-16	PG	52 -28
NY	CHEMUNGO	NORWICH 1 NE	75.50	42.53	342	2	31	2	31	-28	51	2	31	-28	PG	52 -28
NY	ST LAWRENCE	OGDENSBURG HOSP 3 NE	75.45	44.73	85	2	31	2	31	-29	50	2	31	-29	PG	52 -28

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		BINDER GRADE		TEMPERATURES		BINDER GRADE		HT	LT
						AVG	STD	AVG	STD	MAX AIR	MIN PVT	PG	HT	MAX AIR	MIN PVT	PG	HT		
NY	HERKIMER	OLD FORGE	74.98	43.70	525	-36	4	28	2	28	-36	PG 52 -40	PG 52 -46	32	51	PG 52 -40	PG 52 -46	PG	52 -46
NY	OTSEGO	ONEONTA 3 SE	75.00	42.45	354	-27	4	29	2	29	-27	PG 52 -28	PG 58 -40	33	53	PG 52 -28	PG 58 -40	PG	58 -40
NY	OSWEGO	OSWEGO EAST	76.50	43.47	107	-22	3	29	2	29	-22	PG 52 -22	PG 58 -28	33	52	PG 52 -22	PG 58 -28	PG	58 -28
NY	SUFFOLK	PATCHOGUE	73.02	40.77	6	-18	3	31	2	31	-18	PG 52 -22	PG 58 -28	35	55	PG 52 -22	PG 58 -28	PG	58 -28
NY	YATES	PENN YAN 2 SW	77.08	42.65	220	-21	3	32	2	32	-21	PG 52 -22	PG 58 -28	36	55	PG 52 -22	PG 58 -28	PG	58 -28
NY	CLINTON	PERU 2 WSW	73.57	44.57	156	-28	3	31	2	31	-28	PG 52 -28	PG 58 -40	35	54	PG 52 -28	PG 58 -40	PG	58 -40
NY	CLINTON	PLATTSBURGH AFB	73.47	44.65	52	-27	4	31	2	31	-27	PG 52 -28	PG 58 -40	35	54	PG 52 -28	PG 58 -40	PG	58 -40
NY	ORANGE	PORT JERVIS	74.68	41.38	143	-22	3	33	2	33	-22	PG 52 -28	PG 58 -34	37	57	PG 52 -28	PG 58 -34	PG	58 -34
NY	DUTCHESS	POUGHKEEPSIE CAA AP	73.88	41.63	46	-24	4	32	2	32	-24	PG 52 -28	PG 58 -34	36	56	PG 52 -28	PG 58 -34	PG	58 -34
NY	OSWEGO	PULASKI	76.13	43.57	110	-25	7	29	2	29	-25	PG 52 -28	PG 58 -40	33	52	PG 52 -28	PG 58 -40	PG	58 -40
NY	SUFFOLK	RIVERHEAD RESEARCH FARM	72.72	40.97	30	-16	3	32	2	32	-16	PG 58 -16	PG 58 -22	36	56	PG 58 -16	PG 58 -22	PG	58 -22
NY	MONROE	ROCHESTER WB AP	77.67	43.12	168	-21	3	32	2	32	-21	PG 52 -22	PG 58 -28	36	55	PG 52 -22	PG 58 -28	PG	58 -28
NY	DELAWARE	ROXBURY	74.57	42.28	454	-28	4	31	2	31	-28	PG 52 -28	PG 58 -40	35	55	PG 52 -28	PG 58 -40	PG	58 -40
NY	WASHINGTON	SALEM	73.32	43.17	150	-31	4	31	2	31	-31	PG 52 -34	PG 58 -40	35	54	PG 52 -34	PG 58 -40	PG	58 -40
NY	HERKIMER	SALISBURY	74.85	43.15	396	-30	4	29	2	29	-30	PG 52 -34	PG 58 -40	33	52	PG 52 -34	PG 58 -40	PG	58 -40
NY	SARATOGA	SARATOGA SPRINGS 2 S	73.80	43.05	92	-30	3	32	2	32	-30	PG 52 -34	PG 58 -40	36	55	PG 52 -34	PG 58 -40	PG	58 -40
NY	WESTCHESTER	SCARSDALE	73.80	40.98	61	-18	3	33	2	33	-18	PG 58 -22	PG 58 -28	37	57	PG 58 -22	PG 58 -28	PG	58 -28
NY	SCHENECTADY	SCHENECTADY	73.92	42.83	67	-23	6	31	2	31	-23	PG 52 -28	PG 58 -40	35	54	PG 52 -28	PG 58 -40	PG	58 -40
NY	SUFFOLK	SETAUKET	73.10	40.95	12	-15	3	31	2	31	-15	PG 52 -16	PG 58 -22	35	55	PG 52 -16	PG 58 -22	PG	58 -22
NY	WESTCHESTER	SHRUB OAK	73.83	41.33	128	-24	4	31	2	31	-24	PG 52 -28	PG 58 -34	35	55	PG 52 -28	PG 58 -34	PG	58 -34
NY	ULSTER	SLIDE MOUNTAIN	74.42	42.02	808	-26	2	26	2	26	-26	PG 52 -28	PG 52 -34	30	50	PG 52 -28	PG 52 -34	PG	52 -34
NY	WAYNE	SODUS 2 SSW	77.07	43.22	134	-22	4	31	1	31	-22	PG 52 -22	PG 58 -34	33	52	PG 52 -22	PG 58 -34	PG	58 -34
NY	ERIE	SOUTH WALES EMERY PARK	78.60	42.72	332	-23	4	30	2	30	-23	PG 52 -28	PG 58 -40	34	53	PG 52 -28	PG 58 -40	PG	58 -40
NY	HAMILTON	SPECULATOR	74.37	43.50	531	-33	3	29	2	29	-33	PG 52 -34	PG 58 -40	33	52	PG 52 -34	PG 58 -40	PG	58 -40
NY	TIOGA	SPENCER	76.50	42.22	305	-28	3	31	2	31	-28	PG 52 -28	PG 58 -34	35	55	PG 52 -28	PG 58 -34	PG	58 -34
NY	SARATOGA	SPIER FALLS	73.75	43.23	119	-27	3	30	4	30	-27	PG 52 -28	PG 58 -34	38	57	PG 52 -28	PG 58 -34	PG	58 -34
NY	GENESSEE	STAFFORD	78.08	42.98	278	-24	4	32	2	32	-24	PG 52 -28	PG 58 -34	36	55	PG 52 -28	PG 58 -34	PG	58 -34
NY	HERKIMER	STILLWATER RESERVOIR	75.03	43.88	518	-35	3	28	2	28	-35	PG 52 -40	PG 58 -46	32	51	PG 52 -40	PG 58 -46	PG	58 -46
NY	ROCKLAND	SUFFERN WATERWORKS	74.15	41.12	82	-20	3	32	2	32	-20	PG 58 -22	PG 58 -28	36	56	PG 58 -22	PG 58 -28	PG	58 -28
NY	RENSSELAER	TROY LOCK AND DAM	73.68	42.75	6	-24	4	32	2	32	-24	PG 52 -28	PG 58 -34	36	55	PG 52 -28	PG 58 -34	PG	58 -34
NY	CORTLAND	TULLY-HEIBERG FOREST	76.08	42.77	580	-27	3	28	1	28	-27	PG 52 -28	PG 58 -34	30	51	PG 52 -28	PG 58 -34	PG	58 -34
NY	FRANKLIN	TUPPER LAKE SUNMOUNT	74.43	44.23	512	-33	3	28	2	28	-33	PG 52 -34	PG 58 -40	32	51	PG 52 -34	PG 58 -40	PG	58 -40
NY	ONEIDA	UTICA CAA AP	75.38	43.15	217	-25	3	30	2	30	-25	PG 52 -28	PG 58 -34	34	53	PG 52 -28	PG 58 -34	PG	58 -34
NY	ONEIDA	UTICA 2 SE	75.18	43.08	152	-26	6	32	2	32	-26	PG 52 -28	PG 58 -34	36	55	PG 52 -28	PG 58 -34	PG	58 -34
NY	ONEIDA	WALDEN 2 NE	74.17	41.57	122	-22	4	32	2	32	-22	PG 52 -22	PG 58 -34	36	56	PG 52 -22	PG 58 -34	PG	58 -34
NY	DELAWARE	WALTON	75.13	42.17	378	-29	3	31	2	31	-29	PG 52 -28	PG 58 -34	35	55	PG 52 -28	PG 58 -34	PG	58 -34
NY	ST LAWRENCE	WANAKEN RANGER SCHOOL	74.90	44.15	461	-36	3	28	2	28	-36	PG 52 -40	PG 58 -46	32	51	PG 52 -40	PG 58 -46	PG	58 -46
NY	WYOMING	WARSAW 5 SW	78.20	42.68	525	-27	3	29	2	29	-27	PG 52 -28	PG 58 -34	33	53	PG 52 -28	PG 58 -34	PG	58 -34
NY	JEFFERSON	WATERTOWN	75.87	43.97	152	-30	4	30	2	30	-30	PG 52 -34	PG 58 -40	34	53	PG 52 -34	PG 58 -40	PG	58 -40
NY	JEFFERSON	WATERTOWN FAA AP	76.02	44.00	98	-31	5	29	2	29	-31	PG 52 -34	PG 58 -40	33	52	PG 52 -34	PG 58 -40	PG	58 -40
NY	CHAUTAUKUA	WESTFIELD	79.60	42.28	320	-20	4	29	1	29	-20	PG 52 -22	PG 58 -28	31	51	PG 52 -22	PG 58 -28	PG	58 -28
NY	ORANGE	WEST POINT	73.97	41.38	98	-19	3	33	2	33	-19	PG 58 -22	PG 58 -28	37	57	PG 58 -22	PG 58 -28	PG	58 -28
NY	WASHINGTON	WHITE HALL	73.40	43.55	37	-31	4	33	2	33	-31	PG 58 -34	PG 58 -40	37	56	PG 58 -34	PG 58 -40	PG	58 -40
NY	WESTCHESTER	WHITE PLAINS AIRPORT	73.72	41.07	122	-16	5	32	2	32	-16	PG 58 -22	PG 58 -28	36	56	PG 58 -22	PG 58 -28	PG	58 -28
PA	BLAIR	ALTOONA HORSESHOE CURVE	78.48	40.50	458	-21	3	32	2	32	-21	PG 58 -22	PG 58 -28	35	55	PG 58 -22	PG 58 -28	PG	58 -28
PA	BLAIR	ALTOONA 3 W	78.47	40.50	403	-22	3	31	2	31	-22	PG 58 -22	PG 58 -28	35	55	PG 58 -22	PG 58 -28	PG	58 -28
PA	ADAMS	ARENDTSVILLE	77.30	39.92	217	-18	3	33	2	33	-18	PG 58 -22	PG 58 -28	37	57	PG 58 -22	PG 58 -28	PG	58 -28
PA	TIOGA	AUSTINBURG 2 W	77.53	42.00	485	-26	3	30	1	30	-26	PG 58 -22	PG 58 -28	32	52	PG 58 -22	PG 58 -28	PG	58 -28
PA	ALLEGHENY	BAKERSTOWN 3 WNW	79.98	40.65	375	-21	4	32	2	32	-21	PG 58 -22	PG 58 -28	36	56	PG 58 -22	PG 58 -28	PG	58 -28
PA	CENTRE	BELLEFONTE 4 S	77.78	40.85	339	-21	3	32	2	32	-21	PG 58 -22	PG 58 -28	36	56	PG 58 -22	PG 58 -28	PG	58 -28
PA	COLUMBIA	BERWICK	76.25	41.07	174	-21	4	33	2	33	-21	PG 58 -22	PG 58 -28	37	57	PG 58 -22	PG 58 -28	PG	58 -28
PA	NORTHAMPTON	BETHLEHEM LEHIGH UNIV	75.37	40.60	110	-16	3	33	2	33	-16	PG 58 -16	PG 58 -22	37	57	PG 58 -16	PG 58 -22	PG	58 -22
PA	INDIANA	BLAIRSVILLE 6 ENE	79.15	40.45	622	-21	3	29	2	29	-21	PG 52 -22	PG 58 -28	33	53	PG 52 -22	PG 58 -28	PG	58 -28

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY					
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT			
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN	LT	MAX AIR	MAX PVT	MIN	LT	MAX AIR	MAX PVT	MIN	LT		
PA CUMBERLAND		BLOSERVILLE 1 N	77.37	40.27	198	-18	3	33	2	33	53	18	-18	PG 58	-22	PG 58	-22	37	57	-24	-24	PG 58	-28
PA MCKEAN		BRADFORD FAA AIRPORT	78.63	41.80	653	-27	3	28	2	28	48	27	-27	PG 52	-28	PG 52	-28	32	52	-33	-33	PG 52	-34
PA		BROOKVILLE FAA AIRPORT	79.10	41.15	433	-26	4	31	2	31	51	26	-26	PG 52	-28	PG 52	-28	35	55	-34	-34	PG 58	-34
PA JEFFERSON		BROOKVILLE SEWAGE PLANT	79.08	41.15	369	-26	3	31	1	31	51	26	-26	PG 52	-28	PG 52	-28	33	53	-32	-32	PG 58	-34
PA WASHINGTON		BURGETTSTOWN 2 W	80.43	40.38	299	-25	4	32	2	32	52	25	-25	PG 58	-28	PG 58	-28	36	56	-33	-33	PG 58	-34
PA HUNTINGDON		BURNT CABINS 2 NE	77.87	40.08	302	-20	3	33	2	33	53	20	-20	PG 58	-22	PG 58	-22	37	57	-26	-26	PG 58	-28
PA BUTLER		BUTLER	79.90	40.87	336	-22	5	33	2	33	53	22	-22	PG 58	-22	PG 58	-22	37	57	-32	-32	PG 58	-34
PA BUTLER		BUTLER 2 SW	79.92	40.85	305	-24	4	32	1	32	52	24	-24	PG 58	-28	PG 58	-28	34	54	-32	-32	PG 58	-34
PA BRADFORD		CANTON 1 NW	76.87	41.67	464	-21	2	29	2	29	49	21	-21	PG 52	-22	PG 52	-22	33	53	-25	-25	PG 58	-28
PA CUMBERLAND		CARLISLE	77.22	40.20	143	-19	4	34	2	34	54	19	-19	PG 58	-22	PG 58	-22	38	58	-27	-27	PG 58	-28
PA FRANKLIN		CHAMBERSBURG 1 ESE	77.63	39.93	195	-19	3	33	2	33	53	19	-19	PG 58	-22	PG 58	-22	37	57	-25	-25	PG 58	-28
PA CLARION		CLARION 3 SW	79.43	41.20	339	-26	4	31	2	31	51	26	-26	PG 52	-28	PG 52	-28	35	55	-34	-34	PG 58	-34
PA WASHINGTON		CLAYSVILLE 3 W	80.47	40.12	305	-23	4	33	2	33	53	23	-23	PG 58	-28	PG 58	-28	37	57	-31	-31	PG 58	-34
PA MCKEAN		CLERMONT 8 SW	78.53	41.73	494	-31	4	30	1	30	50	31	-31	PG 52	-34	PG 52	-34	32	52	-39	-39	PG 52	-40
PA CHESTER		COATESVILLE 1 SW	75.83	39.97	104	-18	3	33	2	33	53	18	-18	PG 58	-28	PG 58	-28	37	57	-24	-24	PG 58	-28
PA SOMERSET		CONFLUENCE 1 SW DAM	79.37	39.80	454	-23	4	32	2	32	52	23	-23	PG 58	-28	PG 58	-28	36	56	-31	-31	PG 58	-34
PA ERIE		CORRY	79.63	41.92	439	-24	4	31	2	31	51	24	-24	PG 52	-28	PG 52	-28	35	55	-32	-32	PG 58	-34
PA		COUDERSPORT 1 NNE	78.02	41.78	516	-25	6	32	2	32	52	25	-25	PG 52	-28	PG 52	-28	36	56	-37	-37	PG 58	-40
PA POTTER		COUDERSPORT 4 NW	78.07	41.83	702	-27	4	29	1	29	49	27	-27	PG 52	-28	PG 52	-28	31	51	-35	-35	PG 58	-40
PA WESTMORELAND		DERRY 4 SW	79.33	40.30	323	-21	5	32	2	32	52	21	-21	PG 58	-22	PG 58	-22	36	56	-31	-31	PG 58	-34
PA CHESTER		DEVAULT 1 W	75.55	40.08	110	-18	3	32	2	32	52	18	-18	PG 58	-22	PG 58	-22	36	56	-24	-24	PG 58	-28
PA		DIXON	75.90	41.57	189	-25	4	32	2	32	52	25	-25	PG 52	-28	PG 52	-28	36	56	-33	-33	PG 58	-34
PA WESTMORELAND		DONEGAL 2 NW	79.40	40.13	549	-23	3	30	2	30	50	23	-23	PG 52	-28	PG 52	-28	34	54	-29	-29	PG 58	-34
PA WASHINGTON		DONORA 1 SW	79.87	40.17	232	-19	4	33	2	33	53	19	-19	PG 58	-22	PG 58	-22	37	57	-27	-27	PG 58	-28
PA JEFFERSON		DU BOIS FAA AP	78.90	41.18	552	-23	3	30	1	30	50	23	-23	PG 52	-28	PG 52	-28	32	52	-29	-29	PG 52	-34
PA CLEARFIELD		DU BOIS 7 E	78.63	41.10	509	-28	4	30	1	30	50	28	-28	PG 52	-28	PG 52	-28	32	52	-36	-36	PG 58	-40
PA SULLIVAN		EAGLES MERE	76.58	41.40	607	-22	6	27	2	27	47	22	-22	PG 52	-22	PG 52	-22	31	51	-34	-34	PG 58	-34
PA CLARION		EAST BRADY	79.62	40.98	259	-23	5	33	1	33	53	23	-23	PG 58	-28	PG 58	-28	35	55	-33	-33	PG 58	-34
PA		EBENSBURG	78.72	40.48	638	-22	4	30	2	30	50	22	-22	PG 52	-22	PG 52	-22	34	54	-30	-30	PG 58	-34
PA CAMBRIA		EBENSBURG SEWAGE PLANT	78.73	40.47	592	-26	3	31	1	31	51	26	-26	PG 52	-28	PG 52	-28	35	55	-31	-31	PG 58	-34
PA CAMERON		EMPORIUM	78.23	41.50	317	-25	3	31	2	31	51	25	-25	PG 52	-28	PG 52	-28	33	53	-32	-32	PG 58	-34
PA		EMPORIUM 1 E	78.22	41.52	354	-25	4	32	2	32	52	25	-25	PG 52	-28	PG 52	-28	35	55	-31	-31	PG 58	-34
PA		ENGLISH CENTER	77.28	41.43	268	-27	2	32	1	32	52	27	-27	PG 58	-22	PG 58	-22	34	54	-31	-31	PG 58	-34
PA LANCASTER		EPHRATA	76.17	40.17	156	-18	3	32	2	32	52	18	-18	PG 58	-22	PG 58	-22	36	56	-24	-24	PG 58	-28
PA ERIE		ERIE WSO AP	80.18	42.08	223	-19	4	29	2	29	49	19	-19	PG 58	-22	PG 58	-22	33	53	-27	-27	PG 58	-28
PA BEDFORD		EVERETT	78.37	40.02	305	-19	4	33	2	33	53	19	-19	PG 58	-22	PG 58	-22	37	57	-29	-29	PG 58	-34
PA MERCER		FARRELL-SHARON	80.52	41.22	259	-21	4	33	2	33	53	21	-21	PG 58	-22	PG 58	-22	37	57	-29	-29	PG 58	-34
PA ARMSTRONG		FORD CITY 4 S DAM	79.50	40.72	284	-24	4	32	1	32	52	24	-24	PG 58	-28	PG 58	-28	34	54	-32	-32	PG 58	-34
PA LUZERNE		FRANCIS E WALTER DAM	75.73	41.12	461	-27	3	29	1	29	49	27	-27	PG 52	-28	PG 52	-28	31	51	-33	-33	PG 52	-34
PA VENANGO		FRANKLIN	79.82	41.38	302	-22	4	32	2	32	52	22	-22	PG 52	-22	PG 52	-22	36	56	-30	-30	PG 58	-34
PA LUZERNE		FREELAND	75.90	41.02	580	-22	4	29	2	29	49	22	-22	PG 52	-22	PG 52	-22	33	53	-30	-30	PG 58	-34
PA BUCKS		GEORGE SCHOOL	74.93	40.22	43	-19	3	33	2	33	53	19	-19	PG 58	-22	PG 58	-22	37	57	-25	-25	PG 58	-28
PA ADAMS		GETTYSBURG	77.23	39.83	165	-18	3	33	2	33	53	18	-18	PG 58	-22	PG 58	-22	37	57	-24	-24	PG 58	-28
PA MONTGOMERY		GRATERFORD 1 E	75.43	40.23	73	-19	3	32	1	32	52	19	-19	PG 58	-22	PG 58	-22	34	54	-25	-25	PG 58	-28
PA MERCER		GREENVILLE 2 NE	80.37	41.42	345	-23	4	33	2	33	53	23	-23	PG 58	-28	PG 58	-28	37	57	-31	-31	PG 58	-34
PA YORK		HARRISBURG FAA AP	76.85	40.22	104	-17	3	33	2	33	53	17	-17	PG 58	-22	PG 58	-22	35	55	-32	-32	PG 58	-34
PA WAYNE		HAWLEY 1 E	75.17	41.48	272	-26	3	31	2	31	51	26	-26	PG 58	-22	PG 58	-22	34	54	-24	-24	PG 58	-28
PA LANCASTER		HOLTWOOD	76.33	39.83	61	-16	4	32	1	32	52	16	-16	PG 58	-16	PG 58	-16	34	54	-34	-34	PG 58	-34
PA HUNTINGDON		HUNTINGDON	78.02	40.50	204	-22	6	33	2	33	53	22	-22	PG 58	-22	PG 58	-22	37	57	-32	-32	PG 58	-34
PA INDIANA		INDIANA 3 SE	79.12	40.60	336	-24	4	31	2	31	51	24	-24	PG 52	-28	PG 52	-28	35	55	-31	-31	PG 58	-34
PA CRAWFORD		JAMSTOWN 2 NW	80.47	41.50	317	-25	3	31	2	31	51	25	-25	PG 52	-28	PG 52	-28	37	57	-26	-26	PG 58	-34
PA CAMBRIA		JOHNSTOWN	78.92	40.33	369	-20	3	33	2	33	53	20	-20	PG 58	-22	PG 58	-22	37	57	-26	-26	PG 58	-28
PA MCKEAN		KANE 1 NNE	78.80	41.68	534	-28	3	29	1	29	49	28	-28	PG 52	-28	PG 52	-28	31	51	-34	-34	PG 52	-34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used in SUPERPAVE Software

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT	LT	PG
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT				
PA BEDFORD		KEGG	78.72	38.98	390	-19	7	32	3	32	52	-19	-19	38	58	-33	-33	PG	64	-34	PG
PA LANCASTER		LANCASTER 2NE PUMP STN	76.28	40.05	79	-19	4	33	2	33	53	-19	-19	37	57	-27	-27	PG	58	-28	PG
PA LANCASTER		LANDISVILLE 2 NW	76.43	40.12	110	-21	5	33	2	33	53	-21	-21	37	57	-31	-31	PG	58	-34	PG
PA UNION		LAURELTON STATE VILLAGE	77.22	40.90	244	-21	3	33	2	33	53	-21	-21	37	57	-27	-27	PG	58	-28	PG
PA TIOGA		LAWRENCEVILLE 2 S	77.13	41.97	281	-27	4	32	2	32	52	-27	-27	36	56	-35	-35	PG	58	-40	PG
PA LEBANON		LEBANON 2 W	76.47	40.33	137	-21	4	33	2	33	53	-21	-21	37	57	-29	-29	PG	58	-34	PG
PA MIFFLIN		LEWISTOWN	77.58	40.58	140	-19	4	33	2	33	53	-19	-19	37	57	-27	-27	PG	58	-28	PG
PA DELAWARE		MADERA 2 SE	78.40	40.80	488	-26	4	31	2	31	51	-26	-26	35	55	-34	-34	PG	58	-34	PG
PA INDIANA		MARCUS HOOK	75.42	39.82	3	-13	3	34	2	34	54	-13	-13	38	58	-19	-19	PG	64	-22	PG
PA		MARION CENTER 2 SE	79.03	40.75	491	-24	3	29	2	29	49	-24	-24	35	55	-25	-25	PG	58	-28	PG
PA		MARTINSBURG FAA AP(ALT)	78.32	40.30	451	-19	3	31	2	31	51	-19	-19	35	55	-25	-25	PG	58	-28	PG
PA PIKE		MATAMORAS	74.70	41.37	122	-22	2	33	2	33	53	-22	-22	37	57	-26	-26	PG	58	-28	PG
PA CRAWFORD		MEADVILLE 1 S	80.17	41.63	326	-24	3	31	2	31	51	-24	-24	35	55	-30	-30	PG	58	-34	PG
PA MERCER		MERCER	80.23	41.22	372	-23	5	31	2	31	51	-23	-23	35	55	-33	-33	PG	58	-34	PG
PA FRANKLIN		MERCERSBURG	77.90	39.83	165	-21	4	33	2	33	53	-21	-21	35	55	-29	-29	PG	58	-34	PG
PA COLUMBIA		MILLVILLE 2 SW	76.57	41.10	262	-23	3	31	2	31	51	-23	-23	37	57	-29	-29	PG	58	-34	PG
PA BEAVER		MONTGOMERY LOCK AND DAM	80.38	40.65	210	-21	5	32	2	32	52	-21	-21	36	56	-25	-25	PG	58	-28	PG
PA LANCASTER		MORGANTOWN	75.90	40.15	180	-19	3	32	2	32	52	-19	-19	36	56	-24	-24	PG	58	-28	PG
PA MONROE		MT GRENA 2 SE	76.43	40.23	204	-18	3	32	2	32	52	-18	-18	36	56	-24	-24	PG	58	-28	PG
PA LAWRENCE		MOUNT POCONO 2 N	75.37	41.02	253	-22	4	33	2	33	53	-22	-22	39	59	-26	-26	PG	64	-28	PG
PA FAYETTE		NEW CASTLE 1 N	79.90	40.08	247	-18	4	33	3	33	53	-18	-18	37	57	-28	-28	PG	58	-28	PG
PA PERRY		NEWPORT	77.13	40.48	116	-20	4	33	2	33	53	-20	-20	37	57	-24	-24	PG	58	-28	PG
PA MONTGOMERY		NORRISTOWN	75.35	40.12	21	-16	4	33	2	32	52	-16	-16	37	57	-19	-19	PG	58	-22	PG
PA CARBON		PALMERTON	75.62	40.80	125	-20	3	32	2	32	52	-20	-20	36	56	-26	-26	PG	58	-28	PG
PA PHILADELPHIA		PHILADELPHIA DREXEL U	75.18	39.95	9	-13	3	33	2	33	53	-13	-13	37	57	-21	-21	PG	58	-22	PG
PA PHILADELPHIA		PHILADELPHIA WSCMO AP	75.23	39.88	3	-15	3	33	2	33	53	-15	-15	36	56	-21	-21	PG	58	-22	PG
PA		PHILADELPHIA SHAWMONT	75.25	40.03	21	-15	3	34	1	34	54	-15	-15	33	53	-32	-32	PG	58	-34	PG
PA CENTRE		PHILPSBURG E	78.07	40.92	610	-26	3	29	2	29	49	-26	-26	38	58	-28	-28	PG	64	-28	PG
PA CHESTER		PHOENIXVILLE 1 E	75.50	40.12	34	-20	4	34	2	34	54	-20	-20	35	55	-29	-29	PG	58	-34	PG
PA ALLEGHENY		PITTSBURGH WSCMO2 AP	80.22	40.50	351	-21	4	31	2	31	51	-21	-21	34	54	-24	-24	PG	58	-28	PG
PA		PITTSBURGH WSO CI	80.00	40.45	229	-18	3	32	1	32	52	-18	-18	32	52	-32	-32	PG	52	-34	PG
PA WAYNE		PLEASANT MOUNT 1 W	75.45	41.73	549	-26	3	28	2	28	48	-26	-26	36	56	-29	-29	PG	58	-34	PG
PA SCHUYLKILL		PORT CLINTON	76.03	40.58	137	-21	4	32	2	32	52	-21	-21	36	56	-30	-30	PG	58	-34	PG
PA ARMSTRONG		PUTNEYVILLE 2 SE DAM	79.28	40.93	390	-24	3	32	2	32	52	-24	-24	36	56	-28	-28	PG	58	-28	PG
PA BUCKS		QUAKERTOWN	75.33	40.43	150	-20	4	32	2	32	52	-20	-20	37	57	-22	-22	PG	58	-22	PG
PA		READING WB CITY	75.97	40.33	82	-16	3	33	2	33	53	-16	-16	37	57	-22	-22	PG	58	-22	PG
PA CLINTON		RENOVO	77.73	41.33	201	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58	-34	PG
PA ELK		RIDGWAY	78.75	41.42	415	-27	4	31	2	31	51	-27	-27	35	55	-35	-35	PG	58	-40	PG
PA WESTMORELAND		SALINA 3 W	79.55	40.52	339	-24	4	32	1	32	52	-24	-24	34	54	-32	-32	PG	58	-34	PG
PA LACKAWANNA		SCRANTON	75.67	41.42	229	-19	3	32	2	32	52	-19	-19	36	56	-25	-25	PG	58	-28	PG
PA SNYDER		SELINGSGROVE 2 S	76.87	40.77	128	-21	4	33	2	33	53	-21	-21	37	57	-29	-29	PG	58	-34	PG
PA FRANKLIN		SHIPPENSBURG	77.22	40.05	207	-18	3	33	2	33	53	-18	-18	37	57	-24	-24	PG	58	-28	PG
PA BUTLER		SLEEPY ROCK 1 SSW	80.07	41.05	381	-23	4	31	2	31	51	-23	-23	35	55	-31	-31	PG	58	-34	PG
PA		SOMERSET MAIN ST	79.08	40.02	656	-26	4	31	2	31	51	-26	-26	35	55	-34	-34	PG	58	-34	PG
PA CENTRE		STATE COLLEGE	77.87	40.80	357	-20	3	32	2	32	52	-20	-20	36	56	-26	-26	PG	58	-28	PG
PA CAMERON		STEVENSON DAM	78.02	41.40	284	-24	3	31	2	31	51	-24	-24	35	55	-30	-30	PG	58	-34	PG
PA SOMERSET		STOYSTOWN	78.95	40.10	549	-23	3	29	2	29	49	-23	-23	33	53	-29	-29	PG	58	-34	PG
PA MONROE		STROUDSBURG	75.18	41.00	146	-23	4	33	2	33	53	-23	-23	37	57	-31	-31	PG	58	-34	PG
PA FOREST		TIONESTA 2 SE LAKE	79.43	41.48	366	-26	3	30	2	30	50	-26	-26	34	54	-32	-32	PG	58	-34	PG
PA CRAWFORD		TITUSVILLE WATER WORKS	79.70	41.63	372	-27	4	31	1	31	51	-27	-27	33	53	-35	-35	PG	58	-40	PG
PA MONROE		TOBYHANNA	75.42	41.18	592	-26	3	29	1	29	49	-26	-26	31	51	-32	-32	PG	52	-34	PG
PA BRADFORD		TOWANDA 1 ESE	76.42	41.75	229	-24	3	32	2	32	52	-24	-24	36	56	-30	-30	PG	58	-34	PG

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY						98% RELIABILITY						BINDER GRADE		
						LOW TEMP		HIGH TEMP		TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES					
						AVG	STD	AVG	STD	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN
PA	FAYETTE	UNIONTOWN 1 NE	79.72	39.92	293	-20	4	32	2	32	52	-20	-20	32	52	-20	-20	32	52	-20	-20	PG	58	-28
PA	GREENE	WAYNESBURG 1 E	80.17	39.90	287	-23	4	32	1	32	52	-23	-23	32	52	-23	-23	32	54	-31	-31	PG	58	-34
PA	LUZERNE	W BARRE SCRANT WSO AP	75.73	41.33	284	-21	2	31	2	31	51	-21	-21	31	51	-21	-21	35	55	-25	-25	PG	58	-28
PA	LYCOMING	WILLIAMSPORT WSO AP	76.92	41.25	159	-22	3	32	2	32	52	-22	-22	32	52	-22	-22	36	56	-28	-28	PG	58	-28
PA	YORK	YORK 3 SSW PUMP STN	76.75	39.92	119	-21	4	34	2	34	54	-21	-21	34	54	-21	-21	38	58	-29	-29	PG	64	-34
PA	YORK	ADJUNTAS SUBSTATION	66.80	18.18	558	8	1	30	1	30	53	8	8	30	53	8	8	32	55	6	6	PG	58	-10
PA	YORK	AGUIRRE	66.22	17.97	15	17	1	33	1	33	56	17	17	33	56	17	17	35	58	15	15	PG	58	-10
PA	YORK	AGUIRRE CENTRAL	66.22	17.97	9	14	1	32	1	32	55	14	14	32	55	14	14	34	57	12	12	PG	58	-10
PA	YORK	AIBONITO	66.25	18.13	640	11	3	29	2	29	52	11	11	29	52	11	11	33	56	5	5	PG	58	-10
PA	YORK	BARRANQUITAS 2 SSW	66.32	18.17	604	13	2	29	1	29	52	13	13	29	52	13	13	31	54	9	9	PG	58	-10
PA	YORK	CERRO MARAVILLA	66.55	18.15	1202	9	2	25	2	25	48	9	9	25	48	9	9	29	52	5	5	PG	58	-10
PA	YORK	JAYUYA	66.58	18.22	427	11	2	32	1	32	55	11	11	32	55	11	11	34	57	7	7	PG	58	-10
PA	YORK	JUANA DIAZ CAMP	66.50	18.05	61	15	2	34	1	34	57	15	15	34	57	15	15	36	59	11	11	PG	64	-10
PA	YORK	MAGUEYES ISLAND	67.05	17.97	6	17	1	33	1	33	56	17	17	33	56	17	17	35	58	15	15	PG	58	-10
PA	YORK	PATILLAS DAM	66.03	18.03	73	16	2	32	2	32	55	16	16	32	55	16	16	36	59	12	12	PG	64	-10
PA	YORK	PICO DEL ESTE	65.75	18.27	1052	10	2	24	1	24	47	10	10	24	47	10	10	26	49	6	6	PG	64	-10
PA	YORK	PONCE 4 E	66.53	18.02	21	15	1	33	1	33	56	15	15	33	56	15	15	35	58	13	13	PG	58	-10
PA	YORK	QUEBRADILLAS	66.93	18.47	113	16	1	32	1	32	55	16	16	32	55	16	16	34	57	14	14	PG	58	-10
PA	YORK	RIO PIEDRAS	66.07	18.40	30	14	1	32	1	32	55	14	14	32	55	14	14	34	57	12	12	PG	58	-10
PA	YORK	RIO PIEDRAS EXP STN	66.05	18.40	28	16	1	33	1	33	56	16	16	33	56	16	16	35	58	14	14	PG	58	-10
PA	YORK	SAN JUAN WSO	66.00	18.43	3	18	1	33	1	33	56	18	18	33	56	18	18	35	58	16	16	PG	58	-10
PA	YORK	SAN SEBASTIAN 2 WNW	67.02	18.35	52	12	3	34	1	34	57	12	12	34	57	12	12	36	59	6	6	PG	64	-10
PA	YORK	TRUJILLO ALTO 2 SSW	66.02	18.33	43	15	1	33	1	33	56	15	15	33	56	15	15	35	58	13	13	PG	58	-10
PA	YORK	VIEQUES ISLAND	65.42	18.12	15	16	2	33	1	33	56	16	16	33	56	16	16	35	58	12	12	PG	58	-10
RI	WASHINGTON	BLOCK ISLAND STATE AP	71.58	41.17	34	-15	2	27	1	27	47	-15	-15	27	47	-15	-15	29	49	-19	-19	PG	52	-22
RI	PROVIDENCE	GREENVILLE	71.57	41.88	128	-19	3	31	2	31	51	-19	-19	31	51	-19	-19	35	55	-25	-25	PG	58	-28
RI	WASHINGTON	KINGSTON	71.53	41.48	30	-22	4	30	2	30	50	-22	-22	30	50	-22	-22	34	54	-30	-30	PG	58	-34
RI	NEWPORT	NEWPORT	71.32	41.52	6	-17	3	29	2	29	49	-17	-17	29	49	-17	-17	33	53	-23	-23	PG	58	-28
RI	KENT	PROVIDENCE WSO AP	71.43	41.73	15	-19	3	31	2	31	51	-19	-19	31	51	-19	-19	35	55	-25	-25	PG	58	-28
SC	AIKEN	AIKEN 1 NE	81.68	33.60	122	-11	3	36	2	36	58	-11	-11	36	58	-11	-11	40	61	-17	-17	PG	64	-22
SC	ANDERSON	ANDERSON FAA AIRPORT	82.72	34.50	232	-12	3	35	2	35	56	-12	-12	35	56	-12	-12	39	60	-18	-18	PG	64	-22
SC	ANDERSON	ANDREWS	79.57	33.43	9	-8	6	35	2	35	57	-8	-8	35	57	-8	-8	40	61	-16	-16	PG	64	-22
SC	GEORGETOWN	GEORGETOWN	81.03	33.28	52	-10	3	36	2	36	58	-10	-10	36	58	-10	-10	40	61	-16	-16	PG	64	-16
SC	BAMBERG	BAMBERG	80.77	32.38	6	-7	3	35	1	35	57	-7	-7	35	57	-7	-7	37	59	-13	-13	PG	64	-16
SC	BEAUFORT	BEAUFORT 7 SW	80.30	34.23	88	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64	-22
SC	LEE	BISHOPVILLE 3 W	81.32	33.37	98	-9	3	36	2	36	58	-9	-9	36	58	-9	-9	40	61	-15	-15	PG	64	-16
SC	BARWELL	BLACKVILLE 3 W	81.32	33.37	98	-9	3	36	2	36	58	-9	-9	36	58	-9	-9	38	59	-15	-15	PG	64	-16
SC	GEORGETOWN	BROOKGREENGARDENS	79.08	33.52	6	-11	2	34	2	34	56	-11	-11	34	56	-11	-11	38	59	-15	-15	PG	58	-28
SC	GREENVILLE	CAESARS HEAD	82.63	35.10	976	-18	5	29	2	29	51	-18	-18	29	51	-18	-18	33	54	-28	-28	PG	58	-28
SC	ABBEVILLE	CALHOUN FALLS	82.58	34.08	162	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64	-22
SC	KERSHAW	CAMDEN 3 W	80.65	34.25	43	-12	3	35	2	35	56	-12	-12	35	56	-12	-12	39	60	-18	-18	PG	64	-22
SC	CHARLESTON	CHARLESTON WSO AP	80.03	32.90	12	-7	3	34	1	34	56	-7	-7	34	56	-7	-7	36	60	-18	-18	PG	58	-16
SC	CHARLESTON	CHARLESTON WSO CI	79.93	32.78	3	-6	3	34	1	34	56	-6	-6	34	56	-6	-6	36	58	-13	-13	PG	58	-16
SC	CHARLESTON	CHERAW	79.88	34.70	43	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64	-22
SC	CHESTERFIELD	CLARK HILL DAM	82.18	33.67	116	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64	-22
SC	MCORMICK	COLUMBIA WSO AP	81.12	33.95	64	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64	-22
SC	LEXINGTON	COLUMBIA WSO AP	79.88	34.30	46	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64	-22
SC	DARLINGTON	DARLINGTON	79.88	34.30	46	-11	3	36	2	36	57	-11	-11	36	57	-11	-11	40	61	-17	-17	PG	64	-22
SC	DILLON	DILLON	79.38	34.42	37	-11	3	35	2	35	56	-11	-11	35	56	-11	-11	39	60	-17	-17	PG	64	-22
SC	CHARLESTON	EDISTO ISLAND 5 SW	80.33	32.48	3	-8	3	33	2	33	55	-8	-8	33	55	-8	-8	37	59	-14	-14	PG	64	-16
SC	CHARLESTON	EUTAWVILLE	80.35	33.40	37	-8	2	36	2	36	58	-8	-8	36	58	-8	-8	40	61	-12	-12	PG	64	-16
SC	FLORENCE	FLORENCE FAA AIRPORT	79.72	34.18	46	-9	3	36	2	36	57	-9	-9	36	57	-9	-9	40	61	-15	-15	PG	64	-16
SC	FLORENCE	FLORENCE 8 NE	79.73	34.30	37	-9	3	35	2	35	56	-9	-9	35	56	-9	-9	39	60	-15	-15	PG	64	-16
SC	GEORGETOWN	GEORGETOWN 2 E	79.25	33.35	3	-8	2	34	1	34	56	-8	-8	34	56	-8	-8	36	58	-12	-12	PG	58	-16
SC	GEORGETOWN	GREENVILLE WB AIRPORT	82.35	34.85	311	-10	3	35	1	35	56	-10	-10	35	56	-10	-10	37	58	-16	-16	PG	64	-16

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN AIR		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
SC	GREENVILLE	GRNVL-SPTNBG WSO AP	82.22	34.90	296	-13	3	34	2	34	55	-13	-13	38	59	-19	-19	PG	64 -22
SC	GREENWOOD	GRNVL-SPTNBG WSO AP	82.20	34.17	189	-12	3	36	2	36	57	-12	-12	40	61	-18	-18	PG	64 -22
SC	GREENWOOD	GRNVL-SPTNBG WSO AP	81.12	32.87	30	-9	3	36	2	36	58	-9	-9	40	61	-15	-15	PG	64 -16
SC	HAMPTON	HEATH SPRINGS	80.67	34.60	210	-10	3	35	2	35	56	-10	-10	39	60	-16	-16	PG	64 -16
SC	BEAUFORT	HILTON HEAD	80.75	32.22	6	-8	3	34	1	34	56	-8	-8	36	58	-14	-14	PG	58 -16
SC	ORANGEBURG	HOLLY HILL	80.42	33.33	30	-10	2	35	2	35	57	-10	-10	39	60	-14	-14	PG	64 -16
SC	ORANGEBURG	JOHNSTON 4 SW	81.85	33.78	189	-12	3	35	2	35	57	-12	-12	39	60	-18	-18	PG	64 -22
SC	LANCASTER	KERSHAW	80.58	34.55	152	-11	3	35	2	35	56	-11	-11	39	60	-17	-17	PG	64 -22
SC	WILLIAMSBURG	KINGSTREE 1 SE	79.82	33.65	18	-9	3	36	2	36	57	-9	-9	40	61	-15	-15	PG	64 -16
SC	FLORENCE	LAKE CITY 1 SE	79.73	33.85	24	-9	3	36	2	36	57	-9	-9	40	61	-15	-15	PG	64 -16
SC	SPARTANBURG	LANDRUM 1 NE	82.18	35.18	305	-12	3	34	2	34	55	-12	-12	38	59	-18	-18	PG	64 -22
SC	LAURENS	LAURENS	82.03	34.50	180	-12	3	36	2	36	57	-12	-12	40	61	-18	-18	PG	64 -22
SC	NEWBERRY	LITTLE MOUNTAIN	81.42	34.20	217	-11	3	36	2	36	57	-11	-11	40	61	-17	-17	PG	64 -22
SC	COOKE	LONG CREEK	83.27	34.78	497	-14	3	33	2	33	54	-14	-14	37	58	-20	-20	PG	64 -22
SC	MARION	MARION	79.40	34.18	21	-11	3	36	2	36	57	-11	-11	40	61	-17	-17	PG	64 -22
SC	CHARLESTON	MC CLELLANVILLE	79.48	33.08	3	-10	3	33	2	33	55	-10	-10	37	59	-16	-16	PG	64 -16
SC	NEWBERRY	NEWBERRY	81.62	34.28	146	-12	3	36	2	36	57	-12	-12	40	61	-18	-18	PG	64 -22
SC	CHEFKEE	NINETY NINE ISLANDS	81.50	35.05	152	-15	2	34	2	34	55	-15	-15	38	59	-19	-19	PG	64 -22
SC	ORANGEBURG	ORANGEBURG 2	80.87	33.50	49	-10	3	36	2	36	58	-10	-10	40	61	-16	-16	PG	64 -16
SC	CHESTERFIELD	PAGELAND	80.40	34.75	189	-12	3	35	2	35	56	-12	-12	39	60	-18	-18	PG	64 -22
SC	FAIRFIELD	PARR	81.33	34.27	78	-12	2	36	2	36	57	-12	-12	40	61	-16	-16	PG	64 -16
SC	LEXINGTON	PELION 4 NW	81.28	33.80	137	-13	2	36	2	36	57	-13	-13	40	61	-17	-17	PG	64 -22
SC	PICKENS	PICKENS 5 SE	82.63	34.83	348	-13	3	34	2	34	55	-13	-13	38	59	-19	-19	PG	64 -22
SC	BERKELEY	PINOPOLIS DAM	79.98	33.25	15	-8	2	35	1	35	57	-8	-8	37	59	-12	-12	PG	64 -16
SC	SPARTANBURG	RAINBOW LAKE	81.97	35.12	229	-13	3	35	1	35	56	-13	-13	37	58	-19	-19	PG	64 -22
SC	JASPER	RIDGELAND 5 NE	80.90	32.53	6	-9	3	36	2	36	58	-9	-9	40	62	-15	-15	PG	64 -16
SC	SALUDA	SALUDA	81.77	33.98	146	-12	3	36	2	36	57	-12	-12	40	61	-18	-18	PG	64 -22
SC	RICHLAND	SANDHILL EXP STATION	80.87	34.13	134	-12	3	35	2	35	56	-12	-12	39	60	-18	-18	PG	64 -22
SC	UNION	SANTUCK	81.52	34.63	159	-12	3	36	2	36	57	-12	-12	40	61	-18	-18	PG	64 -22
SC	CHARLESTON	SOCIETY HILL 6 S	79.85	34.42	43	-10	3	36	2	36	57	-10	-10	40	61	-16	-16	PG	64 -16
SC	SUMTER	SULLIVANS ISLAND	79.85	32.77	3	-7	3	33	2	33	55	-7	-7	37	59	-13	-13	PG	64 -16
SC	SUMTER	SUMTER	80.35	33.93	55	-11	3	36	2	36	57	-11	-11	40	61	-15	-15	PG	64 -16
SC	SUMTER	TILGHMAN FOREST NURSERY	80.50	33.90	64	-11	2	36	2	36	57	-11	-11	40	61	-15	-15	PG	64 -16
SC	UNION	TRENTON 1 NNE	81.83	33.75	189	-8	4	36	2	36	57	-8	-8	40	61	-16	-16	PG	64 -22
SC	UNION	UNION 8 SW	81.75	34.65	174	-13	2	36	2	36	57	-13	-13	40	61	-17	-17	PG	64 -22
SC	COOKE	WALHALLA	83.08	34.75	299	-14	3	34	2	34	55	-14	-14	38	59	-20	-20	PG	64 -22
SC	COLLETON	WAL TERBORO 2 SW	80.68	32.88	18	-10	3	36	2	36	58	-10	-10	40	61	-16	-16	PG	64 -16
SC	ANDERSON	WEST PELZER	82.47	34.65	259	-13	3	35	2	35	56	-13	-13	39	60	-19	-19	PG	64 -22
SC	FAIRFIELD	WINNSBORO	81.08	34.37	171	-12	3	36	2	36	57	-12	-12	40	61	-18	-18	PG	64 -22
SC	YORK	WINTHROP COLLEGE	81.03	34.93	210	-12	3	34	2	34	55	-12	-12	38	59	-18	-18	PG	64 -22
SC	BEAUFORT	YEMASSEE	80.85	32.68	9	-9	3	36	1	36	58	-9	-9	38	60	-15	-15	PG	64 -16
VA	WASHINGTON	ABINGDON 3 S	81.97	36.67	586	-21	4	32	1	32	53	-21	-21	34	55	-29	-29	PG	58 -34
VA	AMELIA	AMELIA 4 SW	78.03	37.30	110	-16	4	34	2	34	55	-16	-16	38	59	-24	-24	PG	58 -28
VA	APPOMATTOX	APPOMATTOX	78.83	37.37	278	-16	3	33	2	33	54	-16	-16	37	58	-22	-22	PG	58 -22
VA	HANOVER	ASHLAND	77.48	37.75	67	-16	4	33	2	33	54	-16	-16	37	58	-24	-24	PG	58 -28
VA	BEDFORD	BEDFORD	79.52	37.35	299	-15	3	33	2	33	54	-15	-15	37	58	-21	-21	PG	58 -22
VA	CLARKE	BERRYVILLE	77.98	39.15	183	-20	3	33	2	33	53	-20	-20	35	56	-25	-25	PG	58 -28
VA	MONTGOMERY	BLACKSBURG 3 SE	80.42	37.18	610	-19	3	31	2	31	52	-19	-19	38	59	-19	-19	PG	58 -22
VA	NOTTOWAY	BLACKSTONE FAA AP	77.95	37.08	134	-13	3	34	2	34	55	-13	-13	37	58	-17	-17	PG	58 -22
VA	SOUTHAMPTON	BOYKINS	77.20	36.58	12	-13	2	34	1	34	55	-13	-13	36	57	-19	-19	PG	58 -22
VA	WASHINGTON	BRISTOL	82.17	36.60	610	-15	2	33	2	33	54	-15	-15	37	58	-19	-19	PG	58 -22
VA	BOTETOURT	BUCHANAN	79.68	37.53	268	-16	3	34	2	34	55	-16	-16	38	59	-22	-22	PG	64 -22
VA	TAZEWELL	BURKES GARDEN	81.33	37.08	1006	-23	4	28	2	28	49	-23	-23	32	53	-31	-31	PG	58 -34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

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ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY						98% RELIABILITY						BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			BINDER GRADE	
						AVG	STD	AVG	STD	MAX AIR	MIN	PVT	MAX AIR	MIN	PVT	MAX AIR	MIN	PVT	MAX AIR	MIN	PVT	PG	HT
VA		CAPE HENRY WB CITY	76.00	36.93	6	-7	2	32	1	32	-7	-7	53	-7	-7	34	55	-11	-11	-11	PG	58	-16
VA	ROANOKE	CATAWBA HOSPITAL	80.08	37.38	573	-16	3	31	2	31	-16	-16	52	-16	-16	35	56	-22	-22	-22	PG	58	-22
VA	CHARLOTTE	CHARLOTTE COURTH 3 W	78.70	37.07	180	-15	3	33	2	33	-15	-15	54	-15	-15	37	58	-20	-20	-20	PG	58	-22
VA	ALBEMARLE	CHARLOTTEVILLE 2 W	78.52	38.03	265	-14	3	34	2	34	-14	-14	55	-14	-14	38	59	-20	-20	-20	PG	58	-22
VA	ALBEMARLE	CHARLOTTEVILLE 1 W	78.52	38.03	165	-14	3	34	2	34	-14	-14	55	-14	-14	38	59	-20	-20	-20	PG	58	-22
VA	MECKLENBURG	CHASE CITY	78.47	36.83	156	-13	4	34	2	34	-13	-13	55	-13	-13	38	59	-21	-21	-21	PG	58	-22
VA	PITTSYLVANIA	CHATHAM	79.40	36.82	195	-15	3	34	2	34	-15	-15	55	-15	-15	38	59	-21	-21	-21	PG	58	-22
VA	NORTHAMPTON	CHERTON	75.97	37.28	3	-9	4	32	2	32	-9	-9	53	-9	-9	36	57	-17	-17	-17	PG	58	-22
VA	SMYTH	CHILHOWIE 1 S	81.68	36.78	610	-21	4	32	2	32	-21	-21	53	-21	-21	36	57	-29	-29	-29	PG	58	-34
VA	WESTMORELAND	COLONIAL BEACH	76.97	38.25	3	-14	3	34	2	34	-14	-14	55	-14	-14	38	58	-20	-20	-20	PG	58	-22
VA	GOOCHLAND	COLUMBIA 2 SSE	78.15	37.73	92	-17	3	34	2	34	-17	-17	55	-17	-17	38	59	-23	-23	-23	PG	58	-22
VA	CAROLINE	CORBN	77.37	38.20	67	-18	3	33	2	33	-18	-18	54	-18	-18	37	58	-24	-24	-24	PG	58	-28
VA	ALLEGHANY	COVINGTON FILT PLANT	80.00	37.80	375	-18	4	33	1	33	-18	-18	54	-18	-18	35	56	-26	-26	-26	PG	58	-28
VA	CULPEPER	CULPEPER	78.00	38.47	128	-17	4	34	2	34	-17	-17	55	-17	-17	38	58	-25	-25	-25	PG	58	-28
VA	ROCKINGHAM	DALE ENTERPRISE	78.93	38.45	427	-19	3	33	2	33	-19	-19	54	-19	-19	37	57	-25	-25	-25	PG	58	-28
VA		DANTE	82.28	36.98	561	-18	3	32	2	32	-18	-18	53	-18	-18	36	57	-24	-24	-24	PG	58	-28
VA	VIRGINIA BEACH	DIAMOND SPRINGS	76.20	36.90	9	-9	3	33	2	33	-9	-9	54	-9	-9	37	58	-15	-15	-15	PG	58	-16
VA	CULPEPER	ELKWOOD 6 SE	77.77	38.45	101	-18	4	33	2	33	-18	-18	54	-18	-18	37	57	-26	-26	-26	PG	58	-28
VA	FAIRFAX	FALLS CHURCH 2 SW	77.20	38.85	98	-16	4	33	1	33	-16	-16	54	-16	-16	35	55	-24	-24	-24	PG	58	-28
VA	CUMBERLAND	FARMVILLE 2 N	78.38	37.33	137	-16	4	34	2	34	-16	-16	55	-16	-16	38	59	-24	-24	-24	PG	58	-28
VA	FLOYD	FLOYD 2 NE	80.30	36.93	793	-20	4	31	2	31	-20	-20	52	-20	-20	35	56	-28	-28	-28	PG	58	-28
VA	PRINCE GEORGE	FORT LEE	77.33	37.23	18	-14	2	34	2	34	-14	-14	55	-14	-14	38	59	-18	-18	-18	PG	58	-22
VA	SPOTSYLVANIA	FREDERICKSBURG NAT PK	77.45	38.32	28	-17	4	34	2	34	-17	-17	55	-17	-17	38	58	-25	-25	-25	PG	58	-28
VA	CARROLL	GALAX RADIO WBOB	80.92	36.67	729	-19	3	31	1	31	-19	-19	52	-19	-19	33	54	-25	-25	-25	PG	58	-28
VA	GILES	GLENLYN	80.87	37.37	464	-15	7	33	2	33	-15	-15	54	-15	-15	37	58	-29	-29	-29	PG	58	-34
VA	BUCHANAN	GRANDY	82.08	37.27	357	-18	4	33	2	33	-18	-18	54	-18	-18	37	58	-26	-26	-26	PG	58	-28
VA	HALIFAX	HALIFAX 2 SSE	78.92	36.73	152	-13	3	34	2	34	-13	-13	55	-13	-13	38	59	-19	-19	-19	PG	58	-22
VA	BATH	HOLLAND 1 E	76.78	36.68	24	-13	3	34	2	34	-13	-13	55	-13	-13	38	59	-19	-19	-19	PG	58	-22
VA	MECKLENBURG	HOT SPRINGS	79.83	38.00	683	-19	4	31	2	31	-19	-19	52	-19	-19	35	56	-27	-27	-27	PG	58	-28
VA	BRUNSWICK	JOHN H KERR DAM	78.28	36.60	76	-14	3	34	2	34	-14	-14	55	-14	-14	38	59	-20	-20	-20	PG	58	-22
VA	ROCKBRIDGE	LANGLEY AIR FORCE BASE	76.35	37.08	3	-11	3	33	2	33	-11	-11	54	-11	-11	37	58	-17	-17	-17	PG	58	-22
VA	LOUISA	LAWRENCEVILLE 5 W	77.93	36.77	92	-16	3	34	2	34	-16	-16	55	-16	-16	38	59	-22	-22	-22	PG	58	-22
VA	PAGE	LEXINGTON	79.43	37.78	488	-17	4	33	2	33	-17	-17	54	-17	-17	37	58	-25	-25	-25	PG	58	-28
VA	CAMPBELL	LOUISA	78.00	38.03	128	-17	3	33	2	33	-17	-17	54	-17	-17	37	58	-23	-23	-23	PG	58	-28
VA	PRINCE WILLIAM	LURAY 5 E	78.38	38.67	366	-19	3	33	2	33	-19	-19	54	-19	-19	37	58	-23	-23	-23	PG	58	-28
VA	SMYTH	LYNCHBURG WSOAP	79.20	37.33	281	-14	3	34	2	34	-14	-14	55	-14	-14	38	59	-20	-20	-20	PG	58	-22
VA	HENRY	MANASSAS 3 NW	77.50	38.78	101	-15	6	34	1	34	-15	-15	55	-15	-15	36	56	-27	-27	-27	PG	58	-34
VA	MATHEWS	MARION EVAP STATION	81.52	36.82	640	-20	5	31	2	31	-20	-20	52	-20	-20	35	56	-30	-30	-30	PG	58	-22
VA	HIGHLAND	MARTINSVILLE FILT PL	79.88	36.70	232	-16	3	34	2	34	-16	-16	55	-16	-16	38	59	-22	-22	-22	PG	58	-22
VA	NORTHAMPTON	MATHEWS 2 ENE	76.28	37.45	3	-13	3	33	1	33	-13	-13	54	-13	-13	35	56	-19	-19	-19	PG	58	-22
VA	BUCKINGHAM	MONTEREY	79.58	38.42	891	-21	4	29	2	29	-21	-21	50	-21	-21	35	56	-19	-19	-19	PG	58	-22
VA	NORFOLK	MOUNT WEATHER	77.88	39.07	525	-18	3	31	2	31	-18	-18	52	-18	-18	35	56	-24	-24	-24	PG	58	-28
VA	PRINCE WILLIAM	NASSAWADOX	75.87	37.47	12	-12	3	32	1	32	-12	-12	53	-12	-12	34	55	-24	-24	-24	PG	58	-22
VA	SPOTSYLVANIA	NEW CANTON	78.30	37.70	92	-17	3	33	2	33	-17	-17	54	-17	-17	37	58	-23	-23	-23	PG	58	-28
VA	ACCOMACK	NEWPORT NEWS PRESS BLDG	76.45	37.02	15	-9	3	34	2	34	-9	-9	55	-9	-9	38	59	-15	-15	-15	PG	58	-16
VA	SPOTSYLVANIA	NORFOLK WSO AP	76.20	36.90	6	-10	3	33	2	33	-10	-10	54	-10	-10	37	58	-16	-16	-16	PG	58	-16
VA	HENRY	ONLEY 1 S	75.72	37.68	12	-11	3	33	1	33	-11	-11	54	-11	-11	35	56	-17	-17	-17	PG	58	-22
VA	PRINCE WILLIAM	PAINTER 2 W	75.82	37.58	9	-14	3	33	1	33	-14	-14	54	-14	-14	35	56	-20	-20	-20	PG	58	-22
VA	SPOTSYLVANIA	PARTLOW 3 WNW	77.70	38.05	76	-20	4	34	2	34	-20	-20	55	-20	-20	38	59	-28	-28	-28	PG	58	-22
VA	ORANGE	PHILPOTT DAM 2	80.03	36.78	342	-15	3	33	1	33	-15	-15	54	-15	-15	35	56	-21	-21	-21	PG	58	-22
VA	PULASKI	PIEDMONT RESEARCH STN	78.12	38.22	159	-16	3	34	2	34	-16	-16	55	-16	-16	38	58	-22	-22	-22	PG	58	-22
VA	PRINCE WILLIAM	PULASKI 2 E	80.75	37.05	564	-19	3	31	2	31	-19	-19	52	-19	-19	35	56	-25	-25	-25	PG	58	-28
VA	PRINCE WILLIAM	QUANTICO 1 S	77.32	38.50	3	-14	3	33	1	33	-14	-14	54	-14	-14	35	56	-16	-16	-16	PG	58	-22

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
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ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT		
VA HENRICO		RICHMOND WSO AP	77.33	37.50	49	-14	3	34	2	34	55	-14	-14	38	59	-20	-20	PG	64 -22
VA ROANOKE		ROANOKE WSO AP	79.97	37.32	351	-16	3	33	2	33	54	-16	-16	37	58	-22	-22	PG	58 -22
VA FRANKLIN		ROCKY MOUNT	79.90	37.00	375	-16	3	33	2	33	54	-16	-16	37	58	-22	-22	PG	58 -22
VA SMYTH		SALTVILLE 1 N	81.77	36.88	531	-17	3	33	2	33	54	-17	-17	37	58	-22	-22	PG	58 -22
VA AUGUSTA		STAUNTON SEWAGE PLANT	79.03	38.15	424	-18	4	32	2	32	53	-18	-18	36	57	-26	-26	PG	58 -28
VA SUSSEX		STONEY CREEK3 ESE	77.35	36.92	21	-14	4	34	2	34	55	-14	-14	38	59	-22	-22	PG	64 -22
VA PATRICK		STUART	80.27	36.63	412	-13	2	33	2	33	54	-13	-13	37	58	-17	-17	PG	58 -22
VA PATRICK		STUART 1 SSE	80.27	36.63	445	-16	4	32	2	32	53	-16	-16	36	57	-24	-24	PG	58 -22
VA		SUFFOLK LAKE KILBY	76.60	36.73	6	-12	3	34	1	34	55	-12	-12	36	57	-18	-18	PG	58 -22
VA ACCOMACK		TANGIER ISLAND	76.00	37.83	3	-9	4	32	1	32	53	-9	-9	34	55	-17	-17	PG	58 -22
VA ROCKINGHAM		TIMBERVILLE 3 E	78.72	38.65	305	-20	4	33	2	33	54	-20	-20	37	57	-28	-28	PG	58 -22
VA NELSON		TYE RIVER 1 SE	78.93	37.63	220	-16	3	34	2	34	55	-16	-16	38	59	-22	-22	PG	64 -22
VA MIDDLESEX		URBANNA	76.57	37.65	9	-12	2	33	2	33	54	-12	-12	37	58	-16	-16	PG	58 -16
VA FAUQUIER		WARRENTON 3 SE	77.77	38.68	152	-16	3	33	2	33	54	-16	-16	37	57	-22	-22	PG	58 -22
VA RICHMOND		WARSAW 2 NW	76.77	37.98	43	-16	3	34	2	34	55	-16	-16	38	59	-22	-22	PG	64 -22
VA RAPPAHANNOCK		WASHINGTON 3 SSW	78.18	38.67	195	-18	4	33	2	33	54	-18	-18	37	57	-26	-26	PG	58 -28
VA LOUDOUN		WASH DULLES WSO AP	77.45	38.95	88	-19	4	33	2	33	54	-19	-19	37	57	-27	-27	PG	58 -28
VA		WASH NATL WSCMO AP	77.03	38.85	21	-13	3	34	1	34	54	-13	-13	36	56	-19	-19	PG	58 -22
VA ARLINGTON		WAVERLY HILLS	77.12	38.88	104	-13	3	33	2	33	54	-13	-13	37	57	-19	-19	PG	58 -22
VA NEWKENT		WEST POINT 2 SW	76.83	37.52	6	-16	3	34	1	34	55	-16	-16	36	57	-22	-22	PG	58 -22
VA YORK		WILLIAMSBURG 2 N	76.70	37.30	21	-14	3	34	2	34	55	-14	-14	38	59	-20	-20	PG	64 -22
VA FREDERICK		WINCHESTER 3 ESE	78.12	39.18	207	-18	4	33	2	33	53	-18	-18	37	57	-26	-26	PG	58 -28
VA WISE		WISE 1 SE	82.57	36.97	784	-22	4	29	1	29	50	-22	-22	31	52	-30	-30	PG	58 -34
VA SHENANDOAH		WOODSTOCK 2 NE	78.47	38.90	201	-18	4	34	2	34	54	-18	-18	38	58	-26	-26	PG	64 -28
VA WINDHAM		BALL MOUNTAIN LAKE	72.80	43.12	345	-29	2	29	1	29	49	-29	-29	31	51	-33	-33	PG	52 -34
VA WINDHAM		BELLOWS FALLS	72.45	43.13	82	-26	3	32	2	32	51	-26	-26	36	55	-32	-32	PG	58 -34
VA ESSEX		BLOOMFIELD	71.58	44.78	317	-34	3	30	2	30	49	-34	-34	34	53	-40	-40	PG	58 -40
VA CHITTENDEN		BURLINGTON WSO AP	73.15	44.47	101	-28	3	30	2	30	49	-28	-28	34	53	-34	-34	PG	58 -34
VA WINDSOR		CAVENDISH	72.60	43.38	244	-32	3	31	2	31	50	-32	-32	35	54	-38	-38	PG	58 -40
VA ORANGE		CHESEA	72.45	43.98	244	-33	3	31	2	31	50	-33	-33	35	54	-39	-39	PG	58 -40
VA ADDISON		CORNWALL	73.22	43.95	150	-28	3	31	2	31	50	-28	-28	35	54	-34	-34	PG	58 -34
VA BENNINGTON		DORSET 1 S	73.10	43.25	298	-28	4	29	2	29	49	-28	-28	33	52	-36	-36	PG	58 -40
VA FRANKLIN		ENOSBURG FALLS	72.82	44.92	128	-34	3	30	2	30	49	-34	-34	34	53	-40	-40	PG	58 -40
VA WASHINGTON		MIDDLESEX	72.68	44.30	140	-32	3	31	2	31	50	-32	-32	35	54	-38	-38	PG	58 -40
VA WASHINGTON		MONTPELIER FAA AP	72.57	44.20	345	-29	3	29	2	29	48	-29	-29	33	52	-35	-35	PG	58 -40
VA WASHINGTON		MORRISVILLE 2	72.93	42.75	342	-27	3	30	2	30	49	-27	-27	36	55	-39	-39	PG	58 -40
VA LAMOILLE		MOUNT MANSFIELD	72.82	44.53	1205	-34	4	22	1	22	41	-34	-34	24	43	-42	-42	PG	46 -46
VA LAMOILLE		NEWPORT	72.20	44.93	235	-32	3	29	2	29	48	-32	-32	33	52	-38	-38	PG	52 -40
VA ORLEANS		NORTH DANVILLE	72.12	44.47	348	-29	7	28	2	28	47	-29	-29	32	51	-43	-43	PG	52 -46
VA CALEDONIA		NORTHFIELD	72.65	44.17	204	-31	4	30	2	30	49	-31	-31	34	53	-39	-39	PG	58 -40
VA WASHINGTON		READSBORO 1 SE	72.93	42.75	342	-27	3	30	2	30	50	-27	-27	34	53	-33	-33	PG	58 -34
VA WASHINGTON		ROCHESTER	72.80	43.85	253	-31	3	30	2	30	49	-31	-31	34	53	-37	-37	PG	58 -40
VA WINDSOR		RUTLAND	72.97	43.60	189	-27	3	31	2	31	50	-27	-27	35	54	-33	-33	PG	58 -34
VA FRANKLIN		ST ALBANS BAY	73.17	44.80	3	-29	3	30	2	30	49	-29	-29	34	53	-35	-35	PG	58 -40
VA WINDHAM		SOMERSET	72.95	42.97	634	-30	3	27	2	27	47	-30	-30	31	51	-36	-36	PG	52 -40
VA WINDHAM		SOUTH HERO	73.30	44.63	336	-27	3	30	1	30	49	-27	-27	32	51	-33	-33	PG	52 -34
VA WINDHAM		VERNON	72.52	42.77	232	-27	3	32	2	32	52	-27	-27	36	55	-33	-33	PG	58 -34
VA WASHINGTON		WATERBURY 2 SSE	72.75	44.32	702	-30	2	29	2	29	48	-30	-30	33	52	-34	-34	PG	58 -34
VA CALEDONIA		WEST BURKE	71.98	44.65	274	-35	3	29	2	29	48	-35	-35	33	52	-41	-41	PG	52 -46
VA WINDSOR		WOODSTOCK 2 WSW	72.55	43.62	229	-32	3	30	2	30	49	-32	-32	34	53	-38	-38	PG	58 -40
VA MARICOPA		AGUILA	113.18	33.95	662	-7	3	42	2	42	63	-7	-7	46	67	-13	-13	PG	70 -16
AZ MARICOPA		ALHAMBRA 2 NE	112.12	33.52	348	-6	2	43	1	43	64	-6	-6	45	66	-10	-10	PG	70 -10
AZ APACHE		ALPINE	109.13	33.85	2455	-26	4	28	2	28	50	-26	-26	32	54	-34	-34	PG	58 -34

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ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		
			LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		BINDER GRADE		
			AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT
AZ	PIMA	ANVIL RANCH	111.38	31.98	839	-9	3	41	1	41	63	-9	-9	RG	64	-10	RG 70 -16
AZ	COCONINO	ASH FORK 6 N	112.48	35.30	1620	-17	4	36	2	36	57	-17	-17	RG	58	-22	PG 64 -28
AZ	YAVAPAI	BAGDAD	113.17	34.57	1132	-7	2	39	2	39	60	-7	-7	RG	64	-10	PG 70 -16
AZ	YAVAPAI	BAGDAD 8 NE	113.08	34.65	1293	-12	2	38	1	38	59	-12	-12	RG	64	-16	PG 64 -16
AZ	MARICOPA	BARTLETT DAM	111.63	33.82	503	-2	2	43	1	43	64	-2	-2	RG	70	-10	PG 70 -10
AZ	YAVAPAI	BEAVER CREEK R S	111.72	34.67	1165	-10	3	39	1	39	60	-10	-10	RG	64	-10	PG 64 -16
AZ	MOHAVE	BEAVER DAM	113.93	36.90	573	-7	4	43	2	43	64	-7	-7	RG	64	-10	PG 70 -16
AZ	COCHISE	BENSON	110.30	31.97	1119	-9	3	39	1	39	61	-9	-9	RG	64	-10	PG 64 -16
AZ	NAVAJO	BETATAKIN	110.53	36.68	2224	-17	3	33	1	33	54	-17	-17	RG	58	-22	PG 58 -28
AZ	COCHISE	BISBEE	109.82	31.43	1620	-7	3	36	1	36	58	-7	-7	RG	58	-10	PG 64 -16
AZ	GRAHAM	BLACK RIVER PUMPS	109.77	33.48	1842	-19	4	34	1	34	56	-19	-19	RG	58	-22	PG 58 -28
AZ	GREENLEE	BLUE	109.17	33.58	1653	-17	3	36	2	36	58	-17	-17	RG	58	-22	PG 64 -28
AZ	COCONINO	BLUE RIDGE R S	111.12	34.62	2098	-23	3	31	2	31	53	-23	-23	RG	58	-28	PG 58 -34
AZ	LA PAZ	BOUSE	114.03	33.95	284	-7	2	44	1	44	65	-7	-7	RG	70	-10	PG 70 -16
AZ	COCHISE	BOWIE	109.48	32.33	1150	-9	3	41	2	41	62	-9	-9	RG	64	-10	PG 70 -16
AZ	COCONINO	BRIGHT ANGEL R S	112.07	36.20	2562	-17	6	28	1	28	49	-17	-17	RG	52	-22	PG 52 -34
AZ	COCONINO	BURRUS RANCH	111.53	35.27	2074	-23	3	33	1	33	54	-23	-23	RG	58	-28	PG 58 -34
AZ	COCONINO	CAMERON 1 NNE	111.40	35.88	1272	-15	3	39	1	39	60	-15	-15	RG	64	-16	PG 64 -22
AZ	SANTA CRUZ	CAMELO 1 NW	110.53	31.55	1528	-13	3	36	2	36	58	-13	-13	RG	58	-16	RG 64 -22
AZ	MARICOPA	CAREFREE	111.90	33.82	772	-4	2	41	1	41	62	-4	-4	RG	64	-10	RG 70 -10
AZ	PINAL	CASA GRANDE RUINS N M	111.53	33.00	433	-7	2	44	1	44	65	-7	-7	RG	70	-10	RG 70 -16
AZ	COCHISE	CASCABEL	110.40	32.32	961	-10	2	41	1	41	62	-10	-10	RG	64	-10	RG 70 -16
AZ	YAVAPAI	CASTLE HOT SPRINGS	112.37	33.98	607	-3	2	42	1	42	63	-3	-3	RG	70	-10	RG 70 -10
AZ	MARICOPA	CHANDLER HEIGHTS	111.68	33.22	436	-4	2	43	1	43	64	-4	-4	RG	58	-22	RG 58 -34
AZ	COCONINO	CHEVELON RANGER STN	110.92	34.53	2138	-21	4	31	1	31	53	-21	-21	RG	58	-22	RG 64 -28
AZ	APACHE	CHINLE	109.53	36.15	1690	-22	6	35	2	35	56	-22	-22	RG	58	-16	RG 64 -28
AZ	NAVAJO	CIBICUE	110.48	34.03	1540	-16	4	36	2	36	57	-16	-16	RG	64	-10	RG 70 -16
AZ	GREENLEE	CLIFTON	109.28	33.05	1055	-7	3	41	1	41	62	-7	-7	RG	64	-10	RG 70 -16
AZ	COCHISE	COCHISE 4 SSE	109.90	32.07	1275	-12	3	38	2	38	60	-12	-12	RG	64	-16	RG 64 -22
AZ	COCHISE	COCHISE STRONGHOLD	109.90	31.88	1501	-9	4	37	1	37	59	-9	-9	RG	64	-10	RG 64 -22
AZ	MOHAVE	COLORADO CITY	112.98	37.00	1528	-15	6	36	2	36	57	-15	-15	RG	58	-16	RG 64 -28
AZ	COCONINO	COPPER MINE T P	111.42	36.63	1946	-16	4	36	2	36	57	-16	-16	RG	58	-16	RG 64 -16
AZ	YAVAPAI	COPDES	112.17	34.30	1150	-8	2	38	1	38	59	-8	-8	RG	64	-10	RG 64 -16
AZ	COCHISE	COPONADON MHQ	110.25	31.35	1598	-10	3	37	2	37	59	-10	-10	RG	64	-10	RG 70 -16
AZ	PIMA	CORTARO 3 SW	111.12	32.33	692	-7	2	43	1	43	64	-7	-7	RG	70	-10	RG 70 -10
AZ	MARICOPA	DEER VALLEY	112.08	33.58	384	-4	2	43	2	43	64	-4	-4	RG	64	-16	RG 64 -22
AZ	COCHISE	DOUGLAS	109.53	31.35	1232	-11	3	38	1	38	60	-11	-11	RG	64	-16	RG 64 -22
AZ	GREENLEE	DUNCAN	109.12	32.75	1116	-13	3	38	1	38	60	-13	-13	RG	70	-10	RG 70 -10
AZ	YUMA	EUREBERG	114.53	33.60	98	-3	2	45	1	45	66	-3	-3	RG	70	-10	RG 70 -10
AZ	PINAL	ELOY 4 NE	111.53	32.83	473	-6	2	43	2	43	64	-6	-6	RG	70	-10	RG 70 -10
AZ	MARICOPA	FALCON FIELD	111.75	33.43	403	-6	2	42	1	42	63	-6	-6	RG	64	-10	RG 70 -10
AZ	COCONINO	FLAGSTAFF WSO AP	111.67	35.13	2138	-24	3	31	1	31	52	-24	-24	RG	58	-28	RG 58 -34
AZ	PINAL	FLORENCE	111.38	33.03	461	-5	3	44	1	44	65	-5	-5	RG	70	-10	RG 70 -16
AZ	NAVAJO	FORESTDALE	110.10	34.15	1860	-23	4	33	2	33	55	-23	-23	RG	64	-10	RG 64 -16
AZ	GRAHAM	FORT GRANT	109.95	32.62	1473	-8	3	37	2	37	59	-8	-8	RG	64	-10	RG 64 -16
AZ	COCONINO	FORT THOMAS 2 SW	110.00	33.02	854	-10	3	40	1	40	61	-10	-10	RG	64	-10	RG 64 -16
AZ	GRAHAM	FORT VALLEY	111.73	35.27	2242	-27	4	30	2	30	51	-27	-27	RG	52	-28	RG 58 -40
AZ	COCONINO	FREDONIA	112.53	36.95	1427	-21	4	37	1	37	58	-21	-21	RG	58	-22	RG 64 -34
AZ	COCONINO	GANADO	109.57	35.72	1934	-22	4	33	1	33	54	-22	-22	RG	58	-22	RG 58 -34
AZ	APACHE	GILA BEND	112.72	32.95	226	-4	3	46	1	46	67	-4	-4	RG	70	-10	RG 70 -10
AZ	MARICOPA	GOULDS RANCH	112.07	33.38	366	-4	2	43	1	43	64	-4	-4	RG	70	-10	RG 70 -10
AZ	MARICOPA	GRAND CANYON HDQS	112.13	36.05	2102	-19	6	32	2	32	53	-19	-19	RG	58	-22	RG 58 -34
AZ	COCONINO	GRAND CANYON N P	112.13	36.05	2120	-21	3	32	2	32	53	-21	-21	RG	58	-22	RG 58 -28

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Weather Database Used in SUPERPAVE Software

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN		TEMPERATURES		MIN		BINDER GRADE		TEMPERATURES	
						AVG	STD	AVG	STD	MAX	AIR	MAX	PVT	MAX	AIR	MAX	PVT	PG	HT	LT	PG
AZ	GREENLEE	GRANVILLE	109.38	33.20	2074	-16	4	32	1	32	54	-16	-16	34	56	-24	-24	PG 58	-28	PG 58	-28
AZ	APACHE	GROOM	109.47	34.02	2590	-23	3	27	2	27	49	-23	-23	31	53	-29	-29	PG 58	-34	PG 58	-34
AZ	YAVAPAI	GREEN CREEK	112.45	34.48	1860	-17	3	33	1	33	54	-17	-17	35	56	-23	-23	PG 58	-28	PG 58	-28
AZ	COCONINO	HAPPY JACK R S	111.42	34.75	2281	-23	6	29	2	29	51	-23	-23	33	54	-35	-35	PG 58	-40	PG 58	-40
AZ	APACHE	HAWLEY LAKE	109.75	33.98	2495	-28	5	27	2	27	49	-28	-28	31	53	-38	-38	PG 58	-40	PG 58	-40
AZ	NAVAJO	HEBERRS	110.55	34.40	2010	-23	4	33	2	33	54	-23	-23	37	58	-31	-31	PG 64	-34	PG 64	-34
AZ		HELVETIA S R E S	110.78	31.87	1312	-6	3	37	2	37	59	-6	-6	41	63	-12	-12	PG 64	-16	PG 64	-16
AZ	YAVAPAI	HILLSIDE 4 NNE	112.88	34.48	1013	-12	3	39	2	39	60	-12	-12	43	64	-18	-18	PG 70	-22	PG 70	-22
AZ	NAVAJO	HOLBROOK	110.17	34.90	1549	-19	4	37	1	37	58	-19	-19	39	60	-27	-27	PG 64	-28	PG 64	-28
AZ	COCONINO	JACOB LAKE	112.22	36.73	2388	-21	4	29	2	29	50	-21	-21	33	54	-29	-29	PG 58	-34	PG 58	-34
AZ	YAVAPAI	JEROME	112.10	34.75	1510	-8	3	35	2	35	56	-8	-8	39	60	-14	-14	PG 64	-16	PG 64	-16
AZ	COCONINO	JUNIPINE	111.75	34.97	1565	-13	3	35	1	35	56	-13	-13	37	58	-19	-19	PG 64	-22	PG 64	-22
AZ	NAVAJO	KAYENTA	110.28	36.73	1738	-18	4	35	3	35	56	-18	-18	41	62	-26	-26	PG 64	-28	PG 64	-28
AZ	NAVAJO	KEAMS CANYON	110.20	35.82	1894	-21	4	34	2	34	55	-21	-21	38	59	-29	-29	PG 64	-34	PG 64	-34
AZ	MOHAVE	KINGMAN	114.05	35.18	1025	-8	2	39	2	39	60	-8	-8	43	64	-12	-12	PG 64	-16	PG 64	-16
AZ	MOHAVE	KINGMAN 2	114.02	35.20	1080	-9	3	38	2	38	59	-9	-9	42	63	-15	-15	PG 58	-22	PG 58	-22
AZ	PIMA	KITT PEAK	111.60	31.97	2074	-11	3	30	2	30	52	-11	-11	34	56	-17	-17	PG 58	-22	PG 58	-22
AZ	APACHE	KLAGETO 12 WNW	109.70	35.55	1982	-18	4	34	1	34	55	-18	-18	36	57	-26	-26	PG 58	-28	PG 58	-28
AZ	MARICOPA	LAVEN 3 SSE	112.15	33.33	342	-4	2	43	1	43	64	-4	-4	45	66	-8	-8	PG 70	-10	PG 70	-10
AZ	COCONINO	LEES FERRY	111.60	36.87	979	-10	3	42	2	42	63	-10	-10	46	66	-16	-16	PG 70	-16	PG 70	-16
AZ	APACHE	LEUPP	110.97	35.28	1434	-21	4	38	1	38	59	-21	-21	40	61	-29	-29	PG 64	-34	PG 64	-34
AZ	APACHE	LITCHFIELD PARK	112.37	33.50	314	-4	2	44	1	44	65	-4	-4	46	67	-8	-8	PG 70	-10	PG 70	-10
AZ	APACHE	LUKACHUKAI	109.23	36.42	1989	-20	6	33	2	33	54	-20	-20	37	58	-32	-32	PG 58	-34	PG 58	-34
AZ	APACHE	MANY FARMS	109.62	36.37	1620	-22	6	36	2	36	57	-22	-22	40	61	-34	-34	PG 64	-34	PG 64	-34
AZ	MARICOPA	MARICOPA 9 SSW	112.10	32.92	427	-6	2	44	2	44	65	-6	-6	48	69	-11	-11	PG 70	-16	PG 70	-16
AZ	APACHE	MARINETTE	112.30	33.63	351	-6	2	44	2	44	65	-6	-6	48	69	-11	-11	PG 70	-16	PG 70	-16
AZ	APACHE	MAVERICK	109.55	33.75	2379	-30	4	29	1	29	51	-30	-30	31	53	-38	-38	PG 58	-40	PG 58	-40
AZ	APACHE	MCNARY	109.85	34.07	2233	-21	4	31	1	31	53	-21	-21	33	55	-29	-29	PG 58	-34	PG 58	-34
AZ		MCNAWK	113.77	32.73	165	-2	3	46	2	46	67	-2	-2	50	71	-8	-8	PG 76	-10	PG 76	-10
AZ	YAVAPAI	MONTZUMA CASTLE N W	111.83	34.62	970	-12	2	41	1	41	62	-12	-12	43	64	-16	-16	PG 64	-16	PG 64	-16
AZ	COCONINO	MORMON LAKE R S	111.45	34.92	2190	-10	8	29	2	29	51	-10	-10	33	54	-26	-26	PG 58	-28	PG 58	-28
AZ	GILA	NATURAL BRIDGE	111.45	34.32	1406	-10	3	35	2	35	56	-10	-10	39	60	-16	-16	PG 64	-16	PG 64	-16
AZ		NOGALES OLD	110.95	31.33	1190	-8	2	39	2	39	61	-8	-8	43	65	-12	-12	PG 70	-16	PG 70	-16
AZ		NOGALES 6 N	110.95	31.42	1086	-11	3	38	1	38	60	-11	-11	40	62	-17	-17	PG 64	-22	PG 64	-22
AZ	PINAL	ORACLE 2 SE	110.73	32.60	1376	-8	3	37	1	37	59	-8	-8	39	61	-14	-14	PG 64	-16	PG 64	-16
AZ	PIMA	ORGAN PIPE CACTUS N M	112.78	31.93	512	-5	2	42	1	42	64	-5	-5	44	65	-9	-9	PG 70	-10	PG 70	-10
AZ	COCONINO	PAGE	111.45	36.93	1302	-12	4	38	1	38	59	-12	-12	40	61	-20	-20	PG 64	-22	PG 64	-22
AZ	LA PAZ	PARKER 6 NE	114.22	34.18	125	-6	3	45	2	45	66	-6	-6	49	70	-12	-12	PG 70	-16	PG 70	-16
AZ	GILA	PAYSON 12 NNE	111.27	34.40	1678	-18	3	34	2	34	55	-18	-18	38	59	-24	-24	PG 64	-28	PG 64	-28
AZ	GILA	PAYSON R S	111.33	34.23	1479	-17	4	35	2	35	56	-17	-17	39	60	-25	-25	PG 64	-28	PG 64	-28
AZ	GILA	PAYSON	111.33	34.23	1498	-14	4	37	1	37	58	-14	-14	39	60	-22	-22	PG 64	-22	PG 64	-22
AZ	MARICOPA	PHOENIX WSFO AP	112.02	33.43	339	-3	3	43	1	43	64	-3	-3	45	66	-9	-9	PG 70	-10	PG 70	-10
AZ	MOHAVE	PIERCE FERRY 17 SSW	114.08	35.88	1177	-21	3	38	1	38	59	-21	-21	40	61	-17	-17	PG 64	-22	PG 64	-22
AZ	NAVAJO	PINEDALE	110.25	34.30	1982	-24	5	33	2	33	55	-24	-24	37	58	-34	-34	PG 64	-34	PG 64	-34
AZ	GILA	PIPE SPRINGS NATL MON	112.73	36.87	1501	-17	4	37	1	37	58	-17	-17	39	60	-25	-25	PG 64	-28	PG 64	-28
AZ	GILA	PLEASANT VALLEY R S	110.93	34.10	1540	-19	4	35	2	35	56	-19	-19	36	58	-19	-19	PG 58	-22	PG 58	-22
AZ	COCHISE	PORTAL 4 SW	109.20	31.88	1644	-15	2	34	1	34	56	-15	-15	37	58	-20	-20	PG 64	-22	PG 64	-22
AZ		PRESCOTT FAA AP	112.43	34.65	1531	-14	3	35	1	35	56	-14	-14	37	58	-20	-20	PG 64	-22	PG 64	-22
AZ		RENORS	111.32	33.87	738	-7	2	41	2	41	62	-7	-7	45	66	-11	-11	PG 70	-16	PG 70	-16
AZ	GILA	ROOSEVELT 1 WNW	111.15	33.67	674	-3	2	42	1	42	63	-3	-3	44	65	-7	-7	PG 70	-10	PG 70	-10
AZ	PIMA	SABINO CANYON	110.82	32.30	805	-6	2	42	1	42	63	-6	-6	45	66	-11	-11	PG 70	-10	PG 70	-10
AZ	PINAL	SACATON	111.75	33.07	394	-7	2	43	1	43	64	-7	-7	45	66	-11	-11	PG 70	-10	PG 70	-10
AZ	GRAHAM	SAFFORD	109.72	32.83	884	-9	2	40	2	40	61	-9	-9	44	65	-13	-13	PG 70	-16	PG 70	-16

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

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ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				BINDER GRADE	
						AVG	STD	AVG	STD	MAX AIR	MIN	PVT	MIN	MAX AIR	MIN	PVT	MIN	PG	HT
AZ	GRAHAM	SAFFORD AGRICULTURAL CT	109.68	32.82	900	-10	2	40	1	40	61	-10	-10	42	63	-14	-14	PG	64-16
AZ	APACHE	ST MICHAELS 6WNW	109.20	35.67	2330	-24	5	32	2	32	53	-24	-24	36	57	-34	-34	PG	58-34
AZ	GILA	SAN CARLOS	110.43	33.35	805	-11	2	41	1	41	62	-11	-11	43	64	-15	-15	PG	70-16
AZ	APACHE	SANDERS	109.33	35.22	1784	-22	5	35	1	35	56	-22	-22	37	58	-32	-32	PG	64-34
AZ	APACHE	SANDERS 11 ESE	109.17	35.17	1906	-26	5	34	2	34	55	-26	-26	38	59	-36	-36	PG	64-40
AZ	PINAL	SAN MANUEL	110.65	32.95	1086	-6	4	39	1	39	60	-6	-6	41	62	-14	-14	PG	64-16
AZ	COCHISE	SAN SIMON	109.23	32.27	1101	-12	3	39	1	39	61	-12	-12	41	63	-18	-18	PG	64-22
AZ	PIMA	SANTA RITA EXP RANGE	110.85	31.77	1312	-6	3	37	1	37	59	-6	-6	39	61	-12	-12	PG	64-16
AZ	PIMA	SASABE	111.55	31.48	1095	-7	2	38	1	38	60	-7	-7	40	62	-11	-11	PG	64-16
AZ	COCONINO	SEDONA R S	111.77	34.87	1287	-11	3	38	2	38	59	-11	-11	42	63	-17	-17	PG	64-22
AZ	YAVAPAI	SELIGMAN	112.88	35.32	1601	-17	5	36	2	36	57	-17	-17	40	61	-27	-27	PG	64-28
AZ	YAVAPAI	SELIGMAN 13 SSW	112.92	35.13	1598	-19	4	36	1	36	57	-19	-19	38	59	-27	-27	PG	64-28
AZ	NAVAJO	SHOW LOW AIRPORT	110.00	34.25	1955	-20	4	33	2	33	55	-20	-20	37	58	-28	-28	PG	64-28
AZ	GILA	SIERRA ANCHA	110.97	33.80	1556	-11	3	36	2	36	57	-11	-11	40	61	-17	-17	PG	64-22
AZ	APACHE	SILVER BELL	111.50	32.38	836	-3	3	39	3	39	61	-3	-3	45	66	-9	-9	PG	70-10
AZ	APACHE	SPRINGVILLE	109.28	34.13	2153	-22	4	31	2	31	53	-22	-22	35	56	-30	-30	PG	58-34
AZ	YAVAPAI	STANTON	112.73	34.17	1061	-5	2	38	1	38	59	-5	-5	40	61	-9	-9	PG	64-10
AZ	MARICOPA	STEWART MTN	111.53	33.57	433	-4	2	43	1	43	64	-4	-4	45	66	-8	-8	PG	70-10
AZ	COCONINO	SUNSET CRATER N M	111.53	35.37	2129	-26	4	32	1	32	53	-26	-26	34	55	-34	-34	PG	58-34
AZ	COCONINO	SUPAI	112.70	36.20	979	-9	4	41	1	41	62	-9	-9	43	64	-17	-17	PG	64-22
AZ	PINAL	SUPERIOR	111.10	33.30	915	-3	2	39	1	39	60	-3	-3	41	62	-7	-7	PG	64-10
AZ	YUMA	TACNA 3 NE	113.92	32.72	98	-6	2	43	2	43	64	-6	-6	47	68	-10	-10	PG	70-10
AZ	APACHE	TEECNOS POS	109.10	36.90	1614	-18	5	36	3	36	57	-18	-18	42	63	-28	-28	PG	64-28
AZ	MARICOPA	TEMPE	111.93	33.43	351	-4	2	43	1	43	64	-4	-4	45	66	-8	-8	PG	70-10
AZ	APACHE	TEMPE 3 S	111.93	33.38	360	-6	2	43	1	43	64	-6	-6	45	66	-10	-10	PG	70-10
AZ	MARICOPA	TEMPE ASU	111.93	33.42	357	-4	2	43	2	43	64	-4	-4	47	68	-8	-8	PG	70-10
AZ	COCHISE	TOMBSTONE	110.05	31.70	1406	-7	3	38	1	38	60	-7	-7	40	62	-13	-13	PG	64-16
AZ	MARICOPA	TONOPAH	112.95	33.47	339	-4	2	43	2	43	64	-4	-4	47	68	-8	-8	PG	70-10
AZ	MOHAVE	TRUXTON CANYON	113.67	35.38	1165	-12	3	38	1	38	59	-12	-12	40	61	-18	-18	PG	64-22
AZ	COCONINO	TUBA CITY	111.23	36.13	1519	-17	4	37	2	37	58	-17	-17	41	62	-25	-25	PG	64-22
AZ	PIMA	TUCSON CAMP AVE EXP FM	110.95	32.28	711	-8	2	41	1	41	63	-8	-8	43	64	-12	-12	PG	70-16
AZ	PIMA	TUCSON MAGNETIC OBS	110.83	32.25	772	-7	2	42	1	42	63	-7	-7	44	65	-11	-11	PG	70-16
AZ	PIMA	TUCSON U OF A	110.95	32.25	744	-6	3	41	1	41	63	-6	-6	43	64	-12	-12	PG	70-16
AZ	PIMA	TUCSON WSO AP	110.95	32.13	787	-5	2	41	1	41	63	-5	-5	43	64	-9	-9	PG	70-10
AZ	SANTA CRUZ	TUMACACORI N M	111.05	31.57	997	-9	2	41	1	41	63	-9	-9	43	65	-13	-13	PG	70-16
AZ	MOHAVE	TUMACACORI N M	113.07	36.28	1458	-11	3	37	1	37	58	-11	-11	39	60	-17	-17	PG	64-22
AZ	COCONINO	WAHWEAP	111.48	36.98	1138	-11	3	39	1	39	60	-11	-11	41	62	-31	-31	PG	58-34
AZ	YAVAPAI	WALLACE R S	110.92	34.53	2138	-19	6	31	1	31	53	-19	-19	33	54	-31	-31	PG	58-34
AZ	YUMA	WELLTON	114.13	32.67	79	-6	2	43	1	43	64	-6	-6	45	66	-10	-10	PG	70-10
AZ	NAVAJO	WHITERIVER 1 SW	109.97	33.83	1562	-16	4	36	1	36	57	-16	-16	38	59	-24	-24	PG	64-28
AZ	MARICOPA	WICKENBURG	112.73	33.98	625	-7	3	42	1	42	63	-7	-7	44	65	-13	-13	PG	70-16
AZ	MOHAVE	WIKIEUP	113.62	34.72	613	-7	2	43	1	43	64	-7	-7	45	66	-11	-11	PG	70-16
AZ	COCONINO	WILLIAMS	112.18	35.25	2059	-20	4	32	2	32	53	-20	-20	36	57	-28	-28	PG	58-28
AZ	MOHAVE	WILLOW BEACH	114.65	35.87	232	-3	2	47	1	47	68	-3	-3	49	69	-7	-7	PG	70-10
AZ	PINAL	WILLOW SPRINGS RANCH	110.87	32.72	1126	-8	3	38	2	38	60	-8	-8	42	63	-14	-14	PG	64-16
AZ	APACHE	WINDOW ROCK 4 SW	109.12	35.62	2104	-23	4	32	1	32	53	-23	-23	34	55	-31	-31	PG	58-34
AZ	PINAL	WINKELMAN 6 S	110.72	32.92	634	-9	2	42	2	42	63	-9	-9	46	67	-13	-13	PG	70-16
AZ	NAVAJO	WINSLOW WSO AP	110.73	35.02	1492	-18	4	37	1	37	58	-18	-18	39	60	-26	-26	PG	64-28
AZ	MARICOPA	WITTMANN	112.53	33.78	518	-5	2	43	1	43	64	-5	-5	45	66	-9	-9	PG	70-10
AZ	MARICOPA	YOUNGTOWN	112.30	33.60	348	-3	2	43	1	43	64	-3	-3	45	66	-7	-7	PG	70-10
AZ	MOHAVE	YUCCA 1 NNE	114.13	34.88	595	-5	4	42	1	42	63	-5	-5	44	65	-13	-13	PG	70-16
AZ	YUMA	YUMA CITRUS STN	114.65	32.62	58	-2	2	43	1	43	64	-2	-2	45	66	-6	-6	PG	70-10

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
AZ	YUMA	YUMA PROVING GROUND	114.40	32.83	98	-1	2	44	1	44	65	-1	-1	44	65	-1	-1	PG	70 -10
AZ	YUMA	YUMA WSO AP	114.60	32.67	64	0	2	44	1	44	65	0	0	44	65	0	0	PG	70 -10
AZ	YUMA	YUMA	114.62	32.73	73	-1	2	43	1	43	64	-1	-1	43	64	-1	-1	PG	70 -10
CA	MODOC	ADIN R S	120.95	41.20	1281	-21	5	33	3	33	53	-21	-21	33	53	-21	-21	PG	64 -34
CA	SAN DIEGO	ALPINE	116.77	32.83	531	-2	2	38	2	38	60	-2	-2	38	60	-2	-2	PG	64 -10
CA	MODOC	ALTURAS R S	120.55	41.50	1342	-24	6	35	2	35	55	-24	-24	35	55	-24	-24	PG	64 -40
CA	NAPA	ANGWIN PAC UNION COL	122.43	38.57	555	-4	2	35	2	35	56	-4	-4	35	56	-4	-4	PG	64 -10
CA	CONTRA COSTA	ANTIOCH FIBREBRD MILLS	121.77	38.02	9	-4	2	36	2	36	57	-4	-4	36	57	-4	-4	PG	64 -10
CA	CONTRA COSTA	ANTIOCH PUMP PLANT 3	121.73	37.98	18	-4	2	37	2	37	58	-4	-4	37	58	-4	-4	PG	64 -10
CA	FRESNO	AUBERRY 1 NW	119.50	37.08	653	-6	2	38	2	38	59	-6	-6	38	59	-6	-6	PG	64 -10
CA	PLACER	AUBURN	121.07	38.90	394	-4	2	38	2	38	58	-4	-4	38	58	-4	-4	PG	64 -10
CA	LOS ANGELES	AVALON PLEASURE PIER	118.32	33.35	9	3	2	26	2	26	48	3	3	26	48	3	3	PG	52 -10
CA	KERN	BAKERSFIELD WSO AP	119.05	35.42	152	-3	2	41	1	41	62	-3	-3	41	62	-3	-3	PG	64 -10
CA	FRESNO	BALCHPOWER HOUSE	119.08	36.92	525	-3	2	37	1	37	58	-3	-3	37	58	-3	-3	PG	64 -10
CA	SAN DIEGO	BARRETT DAM	116.67	32.68	494	-6	2	38	1	38	60	-6	-6	38	60	-6	-6	PG	64 -10
CA	SAN BERNARDINO	BARSTOW	117.03	34.90	659	-8	3	42	2	42	63	-8	-8	42	63	-8	-8	PG	64 -10
CA	ALAMEDA	BERKELEY	122.25	37.87	107	1	2	27	3	27	48	1	1	27	48	1	1	PG	52 -10
CA	NYO	BISHOP WSO AP	118.37	37.37	1254	-15	3	39	1	39	60	-15	-15	39	60	-15	-15	PG	64 -16
CA	PLACER	BLUE CANYON WSMO	120.70	39.28	1610	-11	2	29	2	29	50	-11	-11	29	50	-11	-11	PG	52 -16
CA	RIVERSIDE	BLYTHE FAA AP	114.72	33.62	119	-2	2	45	1	45	66	-2	-2	45	66	-2	-2	PG	70 -10
CA	NEVADA	BOCA	120.10	39.38	1702	-28	6	32	2	32	52	-28	-28	32	52	-28	-28	PG	58 -28
CA	MOYO	BODIE	119.02	38.22	2553	-30	3	27	2	27	48	-30	-30	27	48	-30	-30	PG	52 -34
CA	SAN DIEGO	BONITA	117.03	32.67	34	-2	2	31	3	31	53	-2	-2	31	53	-2	-2	PG	58 -10
CA	SAN DIEGO	BORREGO DESERT PARK	116.40	33.25	247	-1	5	45	1	45	66	-1	-1	45	66	-1	-1	PG	70 -10
CA	SAN DIEGO	BORREGO SPRINGS 3 NNE	116.35	33.28	192	-6	2	43	1	43	64	-6	-6	43	64	-6	-6	PG	70 -10
CA	NEVADA	BOWMAN DAM	120.65	39.45	1638	-13	2	30	2	30	51	-13	-13	30	51	-13	-13	PG	52 -16
CA	MOYO	BRIDGEPORT	119.23	38.25	1973	-29	4	31	1	31	52	-29	-29	31	52	-29	-29	PG	52 -34
CA	LOS ANGELES	BURBANK VALLEY PMP PLT	118.35	34.18	201	-1	2	37	2	37	58	-1	-1	37	58	-1	-1	PG	64 -10
CA	SAN MATEO	BURLINGAME	122.35	37.58	3	-2	2	29	2	29	50	-2	-2	29	50	-2	-2	PG	52 -10
CA	SANTA BARBARA	CACHUMA DAM	119.98	34.58	238	-3	2	37	2	37	58	-3	-3	37	58	-3	-3	PG	64 -10
CA	CALAVERAS	CALAVERAS BIG TREES	120.32	38.28	1434	-12	2	32	2	32	53	-12	-12	32	53	-12	-12	PG	58 -16
CA	SISKIYOU	CALLAHAN	122.80	41.32	973	-14	3	36	2	36	56	-14	-14	36	56	-14	-14	PG	58 -16
CA	SAN DIEGO	CAMPO	116.47	32.63	802	-8	2	38	1	38	60	-8	-8	38	60	-8	-8	PG	64 -10
CA	CALAVERAS	CAMP PARDEE	120.85	38.25	201	-3	2	39	1	39	59	-3	-3	39	59	-3	-3	PG	64 -10
CA	LOS ANGELES	CANOGA PARK PIERCE COL	118.57	34.18	241	-4	2	40	2	40	61	-4	-4	40	61	-4	-4	PG	64 -10
CA	KERN	CANTIL	117.97	35.30	613	-11	3	43	1	43	64	-11	-11	43	64	-11	-11	PG	64 -16
CA	PLUMAS	CANYON DAM	121.08	40.17	1391	-17	4	33	2	33	53	-17	-17	33	53	-17	-17	PG	58 -22
CA	MONTEREY	CARMEL VALLEY	121.73	36.48	131	-3	2	32	2	32	53	-3	-3	32	53	-3	-3	PG	58 -10
CA	MARIPOSA	CATHEYS VLY BULL R RCH	120.05	37.40	436	-6	2	38	3	38	59	-6	-6	38	59	-6	-6	PG	64 -10
CA	SISKIYOU	CECILVILLE 1 SE	123.13	41.13	903	-11	3	36	3	36	56	-11	-11	36	56	-11	-11	PG	58 -16
CA	MODOC	CEDARVILLE	120.17	41.53	1424	-19	5	34	2	34	54	-19	-19	34	54	-19	-19	PG	58 -22
CA	BUTTE	CENTERVILLE P H	121.67	39.78	159	-6	2	41	2	41	61	-6	-6	41	61	-6	-6	PG	64 -10
CA	TUOLUMNE	CHERRY VALLEY DAM	119.92	37.97	1455	-12	3	34	2	34	55	-12	-12	34	55	-12	-12	PG	58 -16
CA	PLUMAS	CHESTER	121.23	40.30	1382	-18	3	33	2	33	53	-18	-18	33	53	-18	-18	PG	58 -22
CA	BUTTE	CHICO UNIV FARM	121.82	39.70	58	-6	2	39	2	39	59	-6	-6	39	59	-6	-6	PG	64 -10
CA	SAN DIEGO	CHULA VISTA	117.08	32.62	18	1	2	26	3	26	48	1	1	26	48	1	1	PG	52 -10
CA	LOS ANGELES	CLAREMONT POMONA COL	117.72	34.10	366	-2	2	37	2	37	58	-2	-2	37	58	-2	-2	PG	64 -10
CA	YOLO	CLARKSBURG	121.53	38.42	3	-4	2	37	2	37	57	-4	-4	37	57	-4	-4	PG	58 -10
CA	LAKE	CLEARLAKE 4 SE	122.60	38.90	412	-8	2	39	2	39	59	-8	-8	39	59	-8	-8	PG	64 -10
CA	SONOMA	CLOVERDALE 3 SSE	122.98	38.77	98	-3	3	37	2	37	57	-3	-3	37	57	-3	-3	PG	64 -10
CA	FRESNO	COALINGA	120.35	36.15	204	-5	2	40	1	40	61	-5	-5	40	61	-5	-5	PG	64 -10
CA	FRESNO	COALINGA 1 SE	120.35	36.13	201	-6	3	42	2	42	63	-6	-6	42	63	-6	-6	PG	70 -16
CA	COLUSA	COLUSA 2 SSW	122.02	39.20	15	-4	2	39	2	39	59	-4	-4	39	59	-4	-4	PG	64 -10

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
CA KINGS		CORCORAN IRRIG DIST OF	119.57	36.10	61	-5	2	41	1	41	62	-5	-5	43	64	-9	-9	PG	64-10
CA RIVERSIDE		CORONA	117.55	32.88	186	-3	1	38	2	38	60	-3	-3	42	63	-5	-5	PG	64-10
CA CONTRA COSTA		CROCKETT	122.22	38.03	3	-2	1	33	2	33	54	-2	-2	37	58	-4	-4	PG	58-10
CA LOS ANGELES		CULVER CITY	118.40	34.02	18	2	2	31	3	31	53	2	2	37	58	-2	-2	PG	64-10
CA SANTA BARBARA		CUYAMA	119.62	34.93	689	-11	2	38	1	38	59	-11	-11	40	61	-15	-15	PG	64-16
CA SAN DIEGO		CUYAMACA	116.58	32.98	1415	-12	3	33	2	33	55	-12	-12	37	59	-18	-18	PG	64-22
CA SAN BERNARDINO		DAGGETT FAA AP	116.78	34.87	586	-7	3	43	1	43	64	-7	-7	45	66	-13	-13	PG	70-16
CA NYO		DEEP SPRINGS COLLEGE	117.98	37.37	1595	-17	4	35	2	35	56	-17	-17	39	60	-25	-25	PG	64-28
CA NEVADA		DEER CREEK P H	120.85	39.30	1128	-12	3	33	2	33	53	-12	-12	37	57	-18	-18	PG	58-22
CA NEVADA		DEER CREEK FOREBAY	120.83	39.30	1360	-11	3	33	2	33	53	-11	-11	37	57	-17	-17	PG	58-22
CA STANISLAUS		DENAIR 3 NNE	120.78	37.57	43	-6	2	37	2	37	58	-6	-6	41	61	-10	-10	PG	64-10
CA NEVADA		DONNER MEMORIAL ST PK	120.23	39.32	1812	-23	5	31	2	31	52	-23	-23	35	55	-33	-33	PG	58-34
CA SIERRA		DOWNIEVILLE	120.83	39.57	891	-10	3	35	2	35	55	-10	-10	39	59	-16	-16	PG	64-16
CA LOS ANGELES		DRY CANYON RESERVOIR	118.53	34.48	445	-5	2	39	2	39	60	-5	-5	43	64	-9	-9	PG	70-10
CA MARIPOSA		DUDLEYS	120.10	37.75	915	-13	4	36	2	36	57	-13	-13	40	60	-21	-21	PG	64-22
CA RIVERSIDE		EAGLE MTN	115.45	33.80	296	0	2	43	1	43	64	0	0	45	66	-4	-4	PG	70-10
CA COLUSA		EAST PARK RES	122.52	39.37	369	-7	2	38	2	38	58	-7	-7	42	62	-11	-11	PG	64-16
CA SAN DIEGO		EL CAPITAN DAM	116.82	32.88	183	-2	2	39	2	39	60	-2	-2	43	64	-6	-6	PG	70-10
CA IMPERIAL		EL CENTRO 2 SSW	115.57	32.77	0	-3	2	44	1	44	65	-3	-3	46	67	-7	-7	PG	70-10
CA AMADOR		ELECTRA P H	120.67	38.33	220	-5	2	40	2	40	60	-5	-5	44	64	-9	-9	PG	70-10
CA SAN DIEGO		ESCONDIDO	117.08	33.12	201	-3	2	36	2	36	58	-3	-3	41	61	-8	-8	PG	64-10
CA SOLANO		FAIRFIELD FIRE STN	122.03	38.27	12	-4	2	37	2	37	57	-4	-4	41	61	-8	-8	PG	64-10
CA LOS ANGELES		FAIRMONT	118.43	34.70	933	-6	2	37	1	37	58	-6	-6	45	66	-10	-10	PG	70-10
CA FRESNO		FIVE POINTS 5 SSW	120.15	36.37	88	-6	2	39	3	39	60	-6	-6	43	63	-7	-7	PG	64-10
CA SACRAMENTO		FOLSOM DAM	121.17	38.70	107	-3	2	39	2	39	59	-3	-3	43	64	-5	-5	PG	70-10
CA SAN BERNARDINO		FONTANA KAISER	117.52	34.08	336	-1	2	39	2	39	60	-1	-1	43	64	-5	-5	PG	70-10
CA TRINITY		FOREST GLEN	123.33	40.38	714	-10	4	37	3	37	57	-10	-10	35	55	-31	-31	PG	58-34
CA MODOC		FORT BIDWELL	120.13	41.85	1372	-21	5	33	1	33	53	-21	-21	23	44	-4	-4	PG	46-10
CA MENDOCINO		FORT BRAGG 1 E	123.80	39.45	52	-2	1	21	1	21	42	-2	-2	23	44	-5	-5	PG	46-10
CA		FORT BRAGG AVN	123.82	39.40	18	-3	1	21	1	21	42	-3	-3	23	44	-5	-5	PG	46-10
CA SISKIYOU		FORT JONES R S	122.85	41.60	833	-17	6	37	2	37	57	-17	-17	41	60	-29	-29	PG	64-34
CA SONOMA		FORT ROSS	123.25	38.52	34	-1	2	23	2	23	44	-1	-1	27	48	-5	-5	PG	52-10
CA FRESNO		FRESNO WSOAP	119.72	36.77	101	-4	2	40	1	40	61	-4	-4	42	63	-8	-8	PG	64-10
CA EL DORADO		GEORGETOWN R S	120.78	38.92	915	-7	2	36	2	36	56	-7	-7	40	60	-11	-11	PG	64-16
CA TULARE		GIANT FOREST	118.77	36.57	1955	-15	2	28	1	28	49	-15	-15	30	51	-19	-19	PG	52-22
CA SAN DIEGO		GILLESPIE FIELD	116.97	32.82	119	-4	2	36	2	36	58	-4	-4	40	61	-8	-8	PG	64-10
CA SANTA CLARA		GILROY	121.57	37.00	58	-5	2	36	2	36	57	-5	-5	40	61	-9	-9	PG	64-10
CA KERN		GLENVILLE	118.70	35.72	958	-11	3	36	1	36	57	-11	-11	38	59	-17	-17	PG	64-22
CA IMPERIAL		GOLD ROCK RANCH	114.87	32.88	150	-1	3	44	1	44	65	-1	-1	46	67	-7	-7	PG	70-10
CA TULARE		GRANT GROVE	118.97	36.73	2013	-14	3	27	1	27	48	-14	-14	29	50	-20	-20	PG	52-22
CA NEVADA		GRASS VALLEY 2	121.07	39.22	732	-8	3	35	1	35	55	-8	-8	37	57	-14	-14	PG	58-16
CA SONOMA		GRATON	122.87	38.43	61	-5	2	34	2	34	55	-5	-5	38	58	-9	-9	PG	64-10
CA NYO		HAIWEE	117.95	36.13	1168	-9	3	38	1	38	59	-9	-9	40	61	-15	-15	PG	64-16
CA KINGS		HANFORD 1 S	119.65	36.30	76	-5	2	39	2	39	60	-5	-5	60	60	-25	-25	PG	64-28
CA SHASTA		HAT CREEK P H 1	121.55	40.93	921	-17	4	36	2	36	56	-17	-17	40	60	-25	-25	PG	64-28
CA RIVERSIDE		HAYFIELD PUMPING PLANT	115.63	33.70	418	-5	2	43	1	43	64	-5	-5	45	66	-9	-9	PG	70-10
CA SONOMA		HEADSBURG	122.87	38.62	30	-3	2	37	2	37	57	-3	-3	41	61	-7	-7	PG	64-10
CA SAN DIEGO		HENSHAW DAM	116.77	33.23	824	-9	2	37	2	37	59	-9	-9	62	62	-13	-13	PG	64-16
CA TUOLUMNE		HETCH-HETCHY	119.78	37.95	1180	-10	3	33	1	33	54	-10	-10	35	56	-16	-16	PG	58-16
CA SISKIYOU		HILTS	123.63	42.00	884	-14	4	36	2	36	56	-14	-14	40	59	-22	-22	PG	64-22
CA SAN BENITO		HOLLISTER 1 SW	121.42	36.83	85	-5	2	34	2	34	55	-5	-5	38	59	-9	-9	PG	64-10
CA HUMBOLDT		HOOPEA	123.67	41.05	110	-5	3	38	2	38	58	-5	-5	42	62	-11	-11	PG	64-16
CA FRESNO		HUNTINGTON LAKE	119.22	37.23	2141	-17	3	26	1	26	47	-17	-17	28	49	-23	-23	PG	52-28

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG			LAT			ELEV			AIR TEMP				50% RELIABILITY				BINDER GRADE				TEMPERATURES				98% RELIABILITY				BINDER GRADE			
			AVG	STD	HIGH	TEMP	AVG	STD	HIGH	TEMP	MAX	AIR	MIN	PVT	PG	HT	LT	MAX	AIR	MIN	PVT	PG	HT	LT	MAX	AIR	MIN	PVT	PG	HT	LT				
CA	SAN BENITO	IDRIA	120.67	36.42	808	-6	2	37	1	37	58	-6	-6	33	58	-10	39	60	-10	-10	RG	64	-10	RG	64	-10	RG	58	-16	35	57	-16	-16		
CA	RIVERSIDE	IDYLLWILD FIRE DEPT	116.72	33.75	1647	-12	2	33	1	33	55	-12	-12	33	55	-16	46	67	-6	-6	RG	70	-10	RG	70	-10	RG	70	-10	46	67	-6	-6		
CA	IMPERIAL	IMPERIAL	115.57	32.85	0	-2	2	44	1	44	65	-2	-2	44	65	-16	44	65	-16	-16	RG	64	-10	RG	64	-10	RG	70	-16	44	65	-16	-16		
CA	KERN	NYCKERN	117.82	35.65	744	-10	3	42	1	42	63	-10	-10	42	63	-1	45	68	-5	-5	RG	70	-10	RG	70	-10	RG	70	-10	47	68	-5	-5		
CA	SAN BERNARDINO	IRON MTN	115.13	34.13	281	-1	2	45	1	45	66	-1	-1	45	66	-8	36	58	-8	-8	RG	58	-10	RG	58	-10	RG	64	-16	40	61	-12	-12		
CA	SAN DIEGO	JULIAN WYNOLA	116.65	33.10	1113	-8	2	36	2	36	58	-8	-8	36	58	-3	34	55	-3	-3	RG	58	-10	RG	58	-10	RG	64	-10	38	59	-7	-7		
CA	MARIN	KENTFIELD	122.55	37.95	40	-3	2	34	2	34	55	-3	-3	34	55	-1	41	62	-1	-1	RG	64	-10	RG	64	-10	RG	70	-10	45	66	-5	-5		
CA	KERN	KERN RIVER P H 1	118.78	35.47	296	-1	2	41	2	41	62	-1	-1	41	62	-7	39	60	-7	-7	RG	64	-10	RG	64	-10	RG	70	-10	41	62	-11	-11		
CA	KERN	KERN RIVER P H 3	118.43	35.78	824	-7	2	39	1	39	60	-7	-7	39	60	-6	41	62	-6	-6	RG	64	-10	RG	64	-10	RG	70	-10	45	66	-10	-10		
CA	KINGS	KETTLEMAN CITY	119.97	36.00	76	-6	2	41	2	41	62	-6	-6	41	62	-3	41	62	-3	-3	RG	64	-10	RG	64	-10	RG	70	-10	43	64	-7	-7		
CA	KINGS	KETTLEMAN STN	120.08	36.07	156	-3	2	41	1	41	62	-3	-3	41	62	-6	35	56	-6	-6	RG	58	-10	RG	58	-10	RG	64	-10	39	60	-10	-10		
CA	MONTEREY	KING CITY	121.13	36.20	98	-6	2	35	2	35	56	-6	-6	35	56	-3	23	43	-3	-3	RG	46	-10	RG	46	-10	RG	64	-10	27	47	-7	-7		
CA	DEL NORTE	KLAMATH	124.03	41.52	9	-3	2	23	2	23	43	-3	-3	23	43	0	29	51	0	0	RG	52	-10	RG	52	-10	RG	58	-10	33	55	-6	-6		
CA	ORANGE	LAGUNA BEACH	117.78	33.55	12	0	3	29	2	29	51	0	0	29	51	-11	31	53	-11	-11	RG	58	-16	RG	58	-16	RG	64	-16	33	55	-15	-15		
CA	SAN BERNARDINO	LAKE ARROWHEAD	117.18	34.25	1589	-11	2	31	1	31	53	-11	-11	31	53	-7	38	58	-7	-7	RG	64	-10	RG	64	-10	RG	64	-16	42	62	-11	-11		
CA	LAKE	LAKEPORT	122.82	39.03	403	-7	2	38	2	38	58	-7	-7	38	58	-1	39	60	-1	-1	RG	64	-10	RG	64	-10	RG	64	-16	42	62	-11	-11		
CA	SHASTA	LAKESHORE	122.38	40.88	329	-7	2	39	2	39	59	-7	-7	39	59	-7	39	59	-7	-7	RG	64	-10	RG	64	-10	RG	64	-16	43	63	-11	-11		
CA	SAN DIEGO	LAMESA	117.02	32.77	162	1	2	34	2	34	56	1	1	34	56	1	34	56	1	1	RG	58	-10	RG	58	-10	RG	64	-10	38	60	-3	-3		
CA	LOS ANGELES	LANCASTER	118.12	34.68	732	-11	2	40	1	40	61	-11	-11	40	61	-15	40	61	-15	-15	RG	64	-16	RG	64	-16	RG	64	-10	42	63	-15	-15		
CA	BUTTE	LAS PLUMAS	121.48	39.68	156	-2	2	39	2	39	59	-2	-2	39	59	-2	32	52	-2	-2	RG	64	-10	RG	64	-10	RG	64	-10	43	63	-6	-6		
CA	SISKIYOU	LAVA BEDS NAT MON	121.52	41.73	1455	-16	4	32	3	32	52	-16	-16	32	52	-24	38	58	-24	-24	RG	52	-16	RG	52	-16	RG	64	-10	38	58	-24	-24		
CA	TULARE	LINDSAY	119.05	36.20	128	-4	1	39	1	39	60	-4	-4	39	60	-6	41	62	-6	-6	RG	64	-10	RG	64	-10	RG	64	-10	41	62	-6	-6		
CA	TULARE	LOOGEPOLE	118.73	36.60	2056	-20	3	28	1	28	49	-20	-20	28	49	-26	30	51	-26	-26	RG	52	-22	RG	52	-22	RG	52	-28	30	51	-26	-26		
CA	SANTA BARBARA	LOMOPOC	120.45	34.65	30	-3	2	28	2	28	50	-3	-3	28	50	-2	28	50	-2	-2	RG	52	-10	RG	52	-10	RG	58	-10	32	53	-7	-7		
CA	LOS ANGELES	LONG BEACH	118.20	33.77	9	2	2	31	3	31	53	2	2	31	53	2	31	53	2	2	RG	58	-10	RG	58	-10	RG	64	-10	37	58	-2	-2		
CA	LOS ANGELES	LONG BEACH WSO AP	118.15	33.82	9	1	2	34	2	34	56	1	1	34	56	1	34	56	1	1	RG	58	-10	RG	58	-10	RG	64	-10	38	59	-3	-3		
CA	LOS ANGELES	LOS ANGELES WSO AP	118.40	33.93	34	2	2	29	3	29	51	2	2	29	51	2	34	56	2	2	RG	52	-10	RG	52	-10	RG	64	-10	35	56	-2	-2		
CA	LOS ANGELES	LOS ANGELES CIVIC CTR	118.23	34.05	82	3	2	34	2	34	56	3	3	34	56	3	34	56	3	3	RG	58	-10	RG	58	-10	RG	64	-10	38	59	-1	-1		
CA	MERCED	LOS BANOS	120.87	37.05	37	-5	2	39	1	39	60	-5	-5	39	60	-9	41	62	-9	-9	RG	64	-10	RG	64	-10	RG	64	-10	41	62	-9	-9		
CA	MERCED	LOS BANOS DET RESV	120.93	37.02	125	-3	1	38	1	38	59	-3	-3	38	59	-5	40	61	-5	-5	RG	64	-10	RG	64	-10	RG	64	-10	40	61	-5	-5		
CA	SANTA CLARA	LOS GATOS	121.97	37.23	113	-3	2	35	2	35	56	-3	-3	35	56	-7	39	60	-7	-7	RG	64	-10	RG	64	-10	RG	64	-10	39	60	-7	-7		
CA	SAN BERNARDINO	LUCERNE VALLEY	116.95	34.45	903	-12	4	40	1	40	61	-12	-12	40	61	-20	42	63	-20	-20	RG	64	-16	RG	64	-16	RG	64	-22	42	63	-20	-20		
CA	MADERA	MADERA	120.03	36.95	82	-5	2	40	2	40	61	-5	-5	40	61	-9	44	64	-9	-9	RG	64	-10	RG	64	-10	RG	70	-10	44	64	-9	-9		
CA	SHASTA	MANZANITA LAKE	121.57	40.53	1754	-19	3	30	2	30	50	-19	-19	30	50	-25	34	54	-25	-25	RG	52	-22	RG	52	-22	RG	70	-10	34	54	-25	-25		
CA	KERN	MARICOPA	119.38	35.08	207	-4	2	40	2	40	61	-4	-4	40	61	-8	44	65	-8	-8	RG	64	-10	RG	64	-10	RG	64	-10	44	65	-8	-8		
CA	NAPA	MARKLEY COVE	122.12	38.50	1464	-4	2	38	1	38	58	-4	-4	38	58	-5	38	58	-5	-5	RG	64	-10	RG	64	-10	RG	64	-10	40	60	-8	-8		
CA	CONTRA COSTA	MARTINEZ FIRE STATION	122.13	38.02	9	-3	1	34	2	34	55	-3	-3	34	55	-5	39	60	-5	-5	RG	58	-10	RG	58	-10	RG	64	-10	38	59	-5	-5		
CA	CONTRA COSTA	MARTINEZ WTR PLT	122.12	38.02	12	-2	2	37	1	37	58	-2	-2	37	58	-6	41	62	-6	-6	RG	58	-10	RG	58	-10	RG	64	-10	39	59	-6	-6		
CA	YUBA	MARYSVILLE	121.60	39.15	18	-3	2	39	1	39	59	-3	-3	39	59	-7	41	61	-7	-7	RG	64	-10	RG	64	-10	RG	64	-10	41	61	-7	-7		
CA	SISKIYOU	MC CLOUD	122.13	41.25	1000	-15	3	36	2	36	56	-15	-15	36	56	-21	40	60	-21	-21	RG	58	-16	RG	58	-16	RG	64	-22	40	60	-21	-21		
CA	RIVERSIDE	MECCA FIRE STATION	116.07	33.57	0	-4	2	44	2	44	65	-4	-4	44	65	-8	48	69	-8	-8	RG	70	-10	RG	70	-10	RG	70	-10	48	69	-8	-8		
CA	MERCED	MERCED MUN AP	120.52	37.28	46	-5	2	39	1	39	60	-5	-5	39	60	-9	41	62	-9	-9	RG	64	-10	RG	64	-10	RG	64	-10	41	62	-9	</		

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY									
						LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				TEMPERATURES									
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	PG	HT	LT	MAX AIR	MIN AIR	MAX PVT	MIN PVT	PG	HT	LT				
CA	LOS ANGELES	MT WILSON 2	118.07	34.23	1742	-9	2	31	2	31	-9	53	-9	RG	58	-10	35	-13	56	-13	RG	58	-16	35	-13	56	-13
CA		NACIMIENTO DAM	120.88	35.77	2348	-6	2	40	2	40	-6	61	-6	RG	64	-10	44	-10	65	-10	PG	70	-10	44	-10	65	-10
CA	NAPA	NAPA STATE HOSPITAL	122.27	38.28	18	-3	2	34	2	34	-3	55	-3	RG	58	-10	38	-7	58	-7	PG	64	-10	38	-7	58	-7
CA	NEVADA	NEVADA CITY	121.03	39.25	848	-9	3	36	2	36	-9	56	-9	RG	58	-10	40	-15	60	-15	PG	64	-16	40	-15	60	-15
CA	ALAMEDA	NEWARK	122.03	37.52	3	-2	2	30	2	30	-2	51	-2	RG	52	-10	34	-6	55	-6	PG	58	-10	34	-6	55	-6
CA	STANISLAUS	NEWMAN 2 NW	121.03	37.30	28	-5	2	39	2	39	-5	60	-5	RG	64	-10	43	-9	63	-9	PG	64	-10	43	-9	63	-9
CA	ORANGE	NEWPORT BEACH HARBOR	117.88	33.60	3	2	2	26	2	26	2	48	2	PG	52	-10	30	-2	52	-2	PG	52	-10	30	-2	52	-2
CA	MADERA	NORTH FORK RS	119.50	37.23	802	-9	3	37	1	37	-9	58	-9	RG	58	-10	39	-15	60	-15	PG	64	-16	39	-15	60	-15
CA	VENTURA	OJAI	119.23	34.45	229	-4	1	38	2	38	-4	59	-4	RG	64	-10	42	-6	63	-6	PG	64	-10	42	-6	63	-6
CA	FRESNO	ORANGE COVE	119.30	36.62	131	-4	2	39	2	39	-4	60	-4	RG	64	-10	43	-8	64	-8	PG	64	-10	43	-8	64	-8
CA	HUMBOLDT	ORICK PRAIRIE CR PARK	124.02	41.37	49	-4	2	25	2	25	-4	45	-4	RG	46	-10	29	-8	49	-8	PG	52	-10	29	-8	49	-8
CA	GLEN	ORLAND	122.20	39.75	76	-5	2	39	2	39	-5	59	-5	RG	64	-10	43	-9	63	-9	PG	64	-10	43	-9	63	-9
CA	BUTTE	OROVILLE	121.55	39.52	52	-4	1	39	1	39	-4	59	-4	RG	64	-10	41	-6	61	-6	PG	64	-10	41	-6	61	-6
CA	VENTURA	OWARD	119.18	34.20	15	1	2	28	3	28	1	50	1	RG	52	-10	34	-3	55	-3	PG	58	-10	34	-3	55	-3
CA	LOS ANGELES	PALMDALE	118.10	34.58	793	-8	3	39	1	39	-8	60	-8	RG	64	-10	41	-14	62	-14	PG	64	-16	41	-14	62	-14
CA		PALMDALE FAA AP	118.08	34.63	769	-11	2	40	1	40	-11	61	-11	RG	64	-10	42	-15	63	-15	PG	64	-16	42	-15	63	-15
CA	RIVERSIDE	PALM SPRINGS	116.50	33.83	131	-2	2	45	1	45	-2	66	-2	RG	70	-10	47	-6	68	-6	PG	70	-10	47	-6	68	-6
CA	SANTA CLARA	PALO ALTO	122.13	37.45	9	-3	2	31	3	31	-3	52	-3	RG	52	-10	37	-7	58	-7	PG	58	-10	37	-7	58	-7
CA	SAN DIEGO	PALOMAR MTN OBSV	116.87	33.35	1693	-9	2	32	2	32	-9	54	-9	RG	58	-10	36	-13	58	-13	PG	58	-16	36	-13	58	-13
CA		PANOCHO JUNCTION	120.45	36.53	128	-4	2	41	1	41	-4	62	-4	RG	64	-10	43	-8	64	-8	PG	64	-10	43	-8	64	-8
CA	BUTTE	PARADISE	121.62	39.75	534	-4	2	37	2	37	-4	57	-4	RG	58	-10	41	-8	61	-8	PG	64	-10	41	-8	61	-8
CA	SAN BERNARDINO	PARKER RESERVOIR	114.17	34.28	226	0	2	44	1	44	0	65	0	RG	70	-10	46	-4	67	-4	PG	70	-10	46	-4	67	-4
CA	LOS ANGELES	PASADENA	118.15	34.15	262	-1	2	37	2	37	-1	58	-1	RG	64	-10	41	-5	62	-5	PG	64	-10	41	-5	62	-5
CA	SAN LUIS OBISPO	PASO ROBLES	120.68	35.63	214	-7	3	39	1	39	-7	60	-7	RG	64	-10	41	-13	62	-13	PG	64	-16	41	-13	62	-13
CA	SAN LUIS OBISPO	PASO ROBLES FAA AP	120.63	35.67	244	-7	2	39	2	39	-7	60	-7	RG	64	-10	43	-11	64	-11	PG	64	-16	43	-11	64	-11
CA	SONOMA	PETALUMA FIRE STN 3	122.63	38.23	9	-4	2	34	2	34	-4	55	-4	RG	58	-10	38	-8	58	-8	PG	64	-10	38	-8	58	-8
CA	SAN BENITO	PINNACLES NATL MON	121.18	36.48	400	-7	2	39	2	39	-7	60	-7	RG	64	-10	43	-11	64	-11	PG	64	-16	43	-11	64	-11
CA	SAN LUIS OBISPO	PISMO BEACH	120.63	35.13	24	-1	2	27	2	27	-1	49	-1	RG	52	-10	31	-5	52	-5	PG	58	-10	31	-5	52	-5
CA	EL DORADO	PLACERVILLE	120.80	38.73	576	-7	2	37	3	37	-7	57	-7	RG	58	-10	43	-11	63	-11	PG	64	-16	43	-11	63	-11
CA	EL DORADO	PLACERVILLE I F G	120.73	38.73	842	-4	3	37	2	37	-4	57	-4	RG	58	-10	41	-10	61	-10	PG	64	-10	41	-10	61	-10
CA	MENDOCINO	POINT ARENA	123.70	39.90	30	-2	2	22	2	22	-2	43	-2	PG	46	-10	26	-6	47	-6	PG	52	-10	26	-6	47	-6
CA	SAN LUIS OBISPO	PT PIEDRAS BLANCAS	121.28	35.67	18	2	2	19	2	19	2	41	2	PG	64	-10	41	-7	62	-7	PG	64	-10	41	-7	62	-7
CA	LOS ANGELES	POMONA CAL POLY	117.82	34.07	226	-3	2	37	2	37	-3	58	-3	PG	64	-10	40	-10	60	-10	PG	64	-10	40	-10	60	-10
CA	CONTRA COSTA	PORT CHICAGO NAVAL DEP	122.02	38.02	15	-6	2	36	2	36	-6	57	-6	PG	58	-10	41	-8	62	-8	PG	64	-10	41	-8	62	-8
CA	TULARE	PORTERVILLE	119.02	36.07	119	-4	2	39	1	39	-4	60	-4	PG	64	-10	41	-8	62	-8	PG	64	-10	41	-8	62	-8
CA	PLUMAS	PORTOLA	120.47	39.80	1479	-21	5	33	3	33	-21	63	-21	PG	58	-22	39	-31	59	-31	PG	64	-34	39	-31	59	-31
CA	TULARE	POSEY 3 E	118.63	35.80	1513	-11	3	31	2	31	-11	52	-11	PG	58	-16	35	-17	56	-17	PG	58	-22	35	-17	56	-17
CA	MONTEREY	PRIEST VALLEY	120.70	36.18	702	-10	2	38	3	38	-10	59	-10	PG	64	-10	44	-14	65	-14	PG	70	-16	44	-14	65	-14
CA	PLUMAS	QUINCY	120.95	39.92	1040	-16	6	37	2	37	-16	57	-16	PG	58	-16	41	-28	61	-28	PG	64	-28	41	-28	61	-28
CA	KERN	RANDSBURG	117.65	35.37	1089	-7	2	40	1	40	-7	61	-7	PG	64	-10	42	-11	63	-11	PG	64	-16	42	-11	63	-11
CA	SHASTA	REDDING FIRE STN 2	122.40	40.58	177	-3	2	41	2	41	-3	61	-3	PG	64	-10	45	-7	65	-7	PG	70	-10	45	-7	65	-7
CA	SAN MATEO	REDWOOD CITY	122.23	37.48	9	-3	2	33	2	33	-3	54	-3	PG	58	-10	37	-8	58	-8	PG	58	-10	37	-8	58	-8
CA	HUMBOLDT	RICHARDSON GROVE ST PK	123.78	40.03	152	-4	2	37	2	37	-4	57	-4	PG	58	-10	41	-8	61	-8	PG	64	-10	41	-8	61	-8
CA	CONTRA COSTA	RICHMOND	122.35	37.93	18	0	2	28	3	28	0	49	0	PG	52	-10	34	-4	55	-4	PG	58	-10	34	-4	55	-4
CA	RIVERSIDE	RIVERSIDE CIT EXP STN	117.35	33.97	302	-2	2	39	1	39	-2	60	-2	PG	64	-10	41	-6	62	-6	PG	64	-10	41	-6	62	-6
CA	PLACER	ROCKLIN	121.23	38.80	76	-6	2	40	2	40	-6	60	-6	PG	64	-10	44	-10	64	-10	PG	70	-10	44	-10	64	-10
CA	SACRAMENTO	SACRAMENTO WSO CI	121.50	38.58	24	-2	2	37	2	37	-2	57	-2	PG	58	-10	41	-6	61	-6	PG	64	-10	41	-6	61	-6
CA	CONTRA COSTA	SANT MARYS COLLEGE	122.10	37.83	189	-6	2	34	2	34	-6	55	-6	PG	58	-10	38	-10	59	-10	PG	64	-10	38	-10	59	-10
CA	MONTEREY	SALINAS 3 E	121.60	36.67	28	-2	2	28	3	28	-2	49	-2	PG	52	-10	34	-6	55	-6	PG	58	-10	34	-6	55	-6
CA	MONTEREY	SALINAS FAA AP	121.60	36.67	21	-2	2	28	3	28	-2	49	-2	PG	52	-10	34	-6	55	-6	PG	58	-10	34	-6	55	-6
CA	AMADOR	SALT SPRINGS P H	120.22	38.50	1128	-8	2	34	2	34	-8	55	-8	PG	58	-10	38	-12	58	-12	PG	64	-16	38	-12	58	-12
CA	LOS ANGELES	SANT ANTONIO CN MOUTH	117.67	34.17	729	-2	2	37	2	37	-2	58	-2	PG	64	-10	41	-6	62	-6	PG	64	-10	41	-6	62	-6
CA	SAN BERNARDINO	SAN BERNARDINO CO HOSP	117.27	34.13	345	-3	2	40	2	40	-3	61	-3	PG	64	-10	44	-7	65	-7	PG	70	-10	44	-7	65	-7

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY						98% RELIABILITY						BINDER GRADE				
						LOW TEMP		HIGH TEMP		TEMPERATURES			MIN	PVT	MIN	PVT	TEMPERATURES			MAX AIR	MAX PVT	MIN AIR	MIN PVT	RG	HT	LT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR					MAX AIR	MAX PVT	MIN AIR							
CA	LOS ANGELES	SANBERG WSMO	118.73	34.75	1379	-7	3	33	1	33	54	-7	-7			35	56	-13			RG	58 -16				
CA	SAN DIEGO	SAN DIEGO WSO AP	117.17	32.73	3	3	2	28	2	28	50	3	3			32	54	-1			RG	58 -10				
CA	LOS ANGELES	SAN FERNANDO	118.47	34.28	296	-2	2	38	2	38	59	-2	-2			42	63	-6			RG	64 -10				
CA	SAN FRANCISCO	SAN FRANCISCO R SUNSET	122.50	37.77	9	1	2	22	2	22	43	1	1			26	47	-3			RG	52 -10				
CA	SAN MATEO	SAN FRANCISCO WSO AP	122.38	37.72	3	0	2	27	2	27	48	0	0			31	52	-4			RG	52 -10				
CA	SAN FRANCISCO	SAN FRAN MISSI DOLORES	122.43	37.77	24	3	2	25	2	25	46	3	3			29	50	-1			RG	52 -10				
CA	LOS ANGELES	SAN GABRIEL FIRE DEPT	118.10	34.10	137	-1	2	37	2	37	58	-1	-1			41	62	-5			RG	64 -10				
CA	SAN MATEO	SAN GREGORIO 2 SE	122.37	37.30	85	-2	1	26	2	26	47	-2	-2			30	51	-4			RG	52 -10				
CA	RIVERSIDE	SAN JACINTO	116.97	33.78	470	-6	3	41	2	41	62	-6	-6			45	66	-12			RG	70 -16				
CA	SANTA CLARA	SAN JOSE	121.90	37.35	21	-2	2	33	2	33	54	-2	-2			37	58	-6			RG	58 -10				
CA	MERCED	SAN LUIS DAM	121.07	37.05	85	-3	2	37	1	37	58	-3	-3			35	56	-5			RG	58 -10				
CA	SAN MATEO	SAN MATEO	122.30	37.53	6	1	2	31	2	31	52	-1	-1			35	56	-5			RG	58 -10				
CA	LOS ANGELES	SAN PEDRO	118.27	33.72	3	3	2	28	3	28	50	3	3			37	58	-5			RG	58 -10				
CA	MARIN	SAN RAFAEL CIVIC CENTER	122.52	38.00	37	-1	2	33	2	33	54	-1	-1			32	54	-3			RG	58 -10				
CA	SANTA BARBARA	SANTA BARBARA FAA AP	119.83	34.43	3	-1	1	28	2	28	50	-1	-1			36	57	-7			RG	58 -10				
CA	SANTA CLARA	SANTA CLARA UNIVERSITY	121.93	37.35	28	-3	2	32	2	32	53	-3	-3			33	54	-7			RG	58 -10				
CA	SANTA CRUZ	SANTA CRUZ	122.02	36.98	40	-3	2	29	2	29	50	-3	-3			32	53	-8			RG	58 -10				
CA	SANTA BARBARA	SANTA MARIA WSO AP	120.45	34.90	76	-4	2	28	2	28	50	-4	-4			32	53	-8			RG	58 -10				
CA	LOS ANGELES	SANTA MONICA PIER	118.50	34.00	3	4	2	25	2	25	47	4	4			29	51	0			RG	52 -10				
CA	VENTURA	SANTA PAULA	119.15	34.32	73	-2	1	32	2	32	54	-2	-2			36	57	-4			RG	58 -10				
CA	SONOMA	SANTA ROSA	122.70	38.45	52	-4	2	34	2	34	55	-4	-4			38	58	-8			RG	64 -10				
CA	HUMBOLDT	SCOTIA	124.10	40.48	43	-2	2	24	2	24	45	-2	-2			28	48	-6			RG	52 -10				
CA	SIERRA	SIERRA CITY	120.63	39.57	1290	-11	3	33	3	33	53	-11	-11			39	59	-17			RG	64 -22				
CA	SIERRA	SIERRAVALLE R S	120.37	39.58	1519	-23	5	33	2	33	53	-23	-23			37	57	-33			RG	58 -34				
CA	SONOMA	SONOMA	122.47	38.30	30	-5	2	37	2	37	57	-5	-5			41	61	-9			RG	64 -10				
CA	MARIPOSA	SOUTH ENTRANCE YOS N P	119.63	37.50	1562	-13	3	32	2	32	53	-13	-13			36	57	-19			RG	58 -22				
CA	PLACER	SQUAW VALLEY	120.23	39.20	1903	-23	3	29	3	29	50	-23	-23			35	55	-29			RG	58 -34				
CA	SAN BERNARDINO	SQUIRREL INN 2	117.23	34.23	1732	-11	2	29	2	29	51	-11	-11			33	55	-15			RG	58 -16				
CA	SAN JOAQUIN	STOCKTON WSO AP	121.25	37.90	6	-4	2	38	2	38	59	-4	-4			42	62	-8			RG	64 -10				
CA	GLEN	STONY GORGE RESERVOIR	122.53	39.58	244	-6	2	39	2	39	59	-6	-6			43	63	-10			RG	64 -10				
CA	YUBA	STRAWBERRY VALLEY	121.10	39.57	1162	-10	2	33	2	33	53	-10	-10			37	57	-14			RG	58 -16				
CA	LASSEN	SUSANVILLE AP	120.57	40.37	1266	-19	5	36	2	36	56	-19	-19			40	60	-29			RG	64 -34				
CA	PLACER	TAHOE CITY	120.13	39.17	1900	-18	3	28	2	28	49	-18	-18			32	53	-24			RG	58 -28				
CA	EL DORADO	TAHOE VALLEY FAA AP	120.00	38.90	1906	-24	5	29	2	29	50	-24	-24			33	54	-34			RG	58 -34				
CA	KERN	TEHACHAPI	118.45	35.13	1226	-12	3	34	2	34	55	-12	-12			38	59	-18			RG	64 -22				
CA	KERN	TEJON RANCHO	118.75	35.03	436	-4	2	39	2	39	60	-4	-4			43	64	-8			RG	64 -10				
CA	RIVERSIDE	THERMAL FAA AP	116.17	33.63	0	-4	2	44	1	44	65	-4	-4			46	67	-8			RG	70 -10				
CA	TULARE	THREE RIVERS ED P H 2	118.88	36.47	290	-5	2	39	3	39	60	-5	-5			45	66	-9			RG	70 -10				
CA	AMADOR	TIGER CREEK P H	120.48	38.45	720	-7	2	37	2	37	57	-7	-7			41	61	-11			RG	64 -16				
CA	LOS ANGELES	TORRANCE	118.33	33.80	34	1	2	31	2	31	53	1	1			35	57	-3			RG	58 -10				
CA	SAN JOAQUIN	TRACY CARBONA	121.42	37.70	43	-4	2	38	1	38	59	-4	-4			40	60	-8			RG	64 -10				
CA	ALAMEDA	TRACY PUMPING PLANT	121.58	37.80	18	-4	2	38	2	38	59	-4	-4			42	62	-8			RG	64 -10				
CA	SAN BERNARDINO	TRONA	117.38	35.77	518	-8	3	44	1	44	65	-8	-8			46	67	-14			RG	70 -16				
CA	NEVADA	TRUCKEERS	120.18	39.33	1836	-23	3	31	2	31	52	-23	-23			35	55	-29			RG	58 -34				
CA	LOS ANGELES	TUJUNGA	118.28	34.27	555	-1	2	38	2	38	59	-1	-1			42	63	-5			RG	64 -10				
CA	SISKIYOU	TULELAKE	121.47	41.97	1232	-21	5	33	2	33	53	-21	-21			37	57	-31			RG	58 -34				
CA	ORANGE	TUSTIN IRVINE RANCH	117.78	33.73	37	-2	2	34	2	34	56	-2	-2			38	59	-6			RG	64 -10				
CA	SAN BERNARDINO	TWENTYNINE PALMS	116.03	34.13	604	-6	2	43	1	43	64	-6	-6			45	66	-10			RG	70 -10				
CA	ALPINE	TWIN LAKES	120.03	38.70	2440	-22	3	24	2	24	45	-22	-22			28	49	-28			RG	52 -28				
CA	SANTA BARBARA	TWITCHELL DAM	120.32	34.98	177	-3	2	33	3	33	54	-3	-3			39	60	-7			RG	64 -10				
CA	LOS ANGELES	UCLA	118.45	34.07	131	4	2	31	3	31	53	4	4			37	58	0			RG	64 -10				
CA	SAN BERNARDINO	UPLAND 3N	117.65	34.13	491	-2	2	37	3	37	58	-2	-2			43	64	-6			RG	70 -10				
CA	LAKE	UPPER LAKE R S	122.92	39.17	412	-8	2	38	2	38	58	-8	-8			42	62	-12			RG	64 -16				

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
CA	SOLANO	VACAVILLE	121.95	38.37	34	-4	2	39	2	39	59	-4	-4	43	63	-8	-8	PG	64 -10
CA	LOS ANGELES	VALVERMORS	117.85	34.45	1128	-11	2	37	2	37	58	-11	-11	41	62	-15	-15	PG	64 -16
CA	SAN BERNARDINO	VICTORVILLE PUMP PLANT	117.30	34.53	872	-10	3	39	1	39	60	-10	-10	41	62	-16	-16	PG	64 -16
CA	TULARE	VISALIA	119.30	36.33	101	-3	2	39	2	39	60	-3	-3	43	64	-7	-7	PG	64 -10
CA	SAN DIEGO	VISTA 2 NNE	117.23	33.23	156	-1	2	33	2	33	55	-1	-1	37	59	-5	-5	PG	64 -10
CA	SHASTA	VOLTA POWERHOUSE	121.87	40.47	677	-7	2	38	2	38	58	-7	-7	42	62	-11	-11	PG	64 -16
CA	CONTRA COSTA	WALNUT CREEK 2 ESE	122.03	37.88	76	-5	1	37	3	37	58	-5	-5	43	63	-7	-7	PG	64 -10
CA	SAN DIEGO	WARNER SPRINGS	116.63	33.28	970	-9	2	38	1	38	59	-9	-9	40	61	-13	-13	PG	64 -16
CA	KERN	WASCO	119.33	35.60	107	-5	2	40	1	40	61	-5	-5	42	63	-9	-9	PG	64 -10
CA	TRINITY	WEAVERVILLE RS	122.93	40.73	625	-12	4	38	2	38	58	-12	-12	42	62	-20	-20	PG	64 -22
CA	SISKIYOU	WEED FIRE DEPARTMENT	122.53	41.43	1095	-16	3	33	2	33	53	-16	-16	37	57	-22	-22	PG	58 -22
CA	SHASTA	WHISKEYTOWN RESERVOIR	122.53	40.62	396	-4	2	39	2	39	59	-4	-4	43	63	-8	-8	PG	64 -10
CA	MONO	WHITE MTN 1	118.17	37.50	3096	-27	2	22	1	22	43	-27	-27	24	45	-31	-31	PG	46 -34
CA	MONO	WHITE MTN 2	118.23	37.58	3803	-29	4	16	2	16	38	-29	-29	20	41	-37	-37	PG	46 -40
CA	NYO	WILDROSE RANGER STN	117.18	36.27	1250	-10	3	38	1	38	59	-10	-10	40	61	-16	-16	PG	64 -16
CA	COLUSA	WILLIAMS	122.15	39.15	28	-4	2	39	2	39	59	-4	-4	43	63	-8	-8	PG	64 -10
CA	MENDOCINO	WILLITS 1 NE	123.33	39.42	412	-8	3	35	2	35	55	-8	-8	39	59	-14	-14	PG	64 -16
CA	HUMBOLDT	WILLOW CREEK 1 NW	123.63	40.95	140	-6	3	41	2	41	61	-6	-6	45	64	-12	-12	PG	70 -16
CA	GLEN	WILLOWS 6 W	122.30	39.52	70	-5	2	38	2	38	58	-5	-5	42	62	-9	-9	PG	64 -10
CA	YOLO	WINTERS	121.97	38.53	43	-4	2	39	1	39	59	-4	-4	41	61	-8	-8	PG	64 -10
CA	ALPINE	WOODFORDS	119.82	38.78	1729	-18	3	32	1	32	53	-18	-18	34	55	-24	-24	PG	58 -28
CA	YOLO	WOODLAND 1 WNW	121.80	38.68	21	-4	2	39	2	39	59	-4	-4	43	63	-8	-8	PG	64 -10
CA	ORANGE	YORBA LINDA	117.82	33.90	128	-1	2	37	2	37	58	-1	-1	41	62	-5	-5	PG	64 -10
CA	MARIPOSA	YOSEMITE PARK HDQ	119.58	37.75	1211	-11	3	36	2	36	57	-11	-11	40	60	-17	-17	PG	64 -22
CA	SISKIYOU	YREKA	122.63	41.72	802	-14	4	37	2	37	57	-14	-14	41	60	-22	-22	PG	64 -22
CA	WASHINGTON	AKRON 4 E	103.15	40.15	1385	-27	3	36	2	36	56	-27	-27	40	60	-33	-33	PG	64 -34
CA	WASHINGTON	AKRON FAA AP	103.22	40.17	1421	-26	3	35	1	35	55	-26	-26	37	57	-32	-32	PG	58 -34
CA	ALAMOSA	ALAMOSA WSO AP	105.87	37.45	2300	-33	4	30	1	30	51	-33	-33	32	53	-41	-41	PG	58 -46
CA	BOULDER	ALLENSPARK	105.53	40.53	2538	-28	5	27	2	27	47	-28	-28	31	51	-38	-38	PG	52 -40
CA	GARFIELD	ALTENBERN	108.38	39.50	1736	-26	4	34	2	34	54	-26	-26	38	58	-34	-34	PG	64 -34
CA	PARK	ANTERO RESERVOIR	105.88	39.00	2721	-39	4	27	1	27	48	-39	-39	29	50	-47	-47	PG	52 -52
CA	PITKIN	ARRIBA	103.27	39.28	1598	-24	4	34	2	34	54	-24	-24	38	58	-32	-32	PG	64 -34
CA	GRAND	ASPEN	106.83	39.18	2419	-27	3	29	1	29	50	-27	-27	31	52	-33	-33	PG	52 -34
CA	GRAND	BERTHOUD PASS	105.78	39.80	3450	-31	4	19	2	19	40	-31	-31	23	44	-39	-39	PG	46 -40
CA	COSTILLA	BLANCA	105.52	37.43	2364	-30	4	31	1	31	52	-30	-30	33	54	-38	-38	PG	58 -40
CA	YUMA	BONNY LAKE	102.18	39.63	1144	-24	4	36	1	36	56	-24	-24	38	58	-32	-32	PG	64 -34
CA	BOULDER	BOULDER	105.28	40.03	1653	-22	4	34	1	34	54	-22	-22	36	56	-30	-30	PG	58 -34
CA	BRANSON	BRANSON	103.88	37.02	1918	-21	4	33	1	33	54	-21	-21	35	56	-29	-29	PG	58 -34
CA	WELD	BRIGGS DALE	104.32	40.63	1473	-27	7	36	2	36	56	-27	-27	40	60	-41	-41	PG	64 -46
CA	MOFFAT	BROWNS PARK REFUGE	108.92	40.80	1632	-29	4	34	2	34	54	-29	-29	38	58	-37	-37	PG	58 -40
CA	CHAFEE	BUENA VISTA	106.13	38.85	2419	-27	3	30	1	30	51	-27	-27	32	53	-33	-33	PG	58 -34
CA	KIT CARSON	BURLINGTON	102.27	39.32	1272	-24	4	36	2	36	56	-24	-24	40	60	-32	-32	PG	64 -34
CA	ADAMS	BYERS 5 ENE	104.13	39.75	1556	-28	4	35	1	35	55	-28	-28	37	57	-36	-36	PG	58 -40
CA	CLEAR CREEK	CABIN CREEK	105.70	39.65	3056	-27	3	23	1	23	44	-27	-27	25	46	-33	-33	PG	46 -34
CA	FREMONT	CANON CITY	105.22	38.42	1635	-22	4	34	1	34	55	-22	-22	36	57	-30	-30	PG	58 -34
CA	DOUGLAS	CASTLE ROCK	104.87	39.38	1915	-27	4	33	1	33	53	-27	-27	35	55	-35	-35	PG	58 -40
CA	DELTA	CEDAREDGE	107.93	38.90	1903	-21	4	33	1	33	54	-21	-21	35	55	-29	-29	PG	58 -34
CA	RIO GRANDE	CENTER 4 SSW	106.13	37.70	2339	-32	4	29	2	29	50	-32	-32	33	54	-40	-40	PG	58 -40
CA	JEFFERSON	CHEESMAN	105.28	39.22	2098	-29	4	32	1	32	53	-29	-29	34	54	-37	-37	PG	58 -40
CA	ARAPAHOE	CHEERY CREEK DAM	104.95	39.65	1723	-26	4	34	2	34	54	-26	-26	38	58	-34	-34	PG	64 -34
CA	CHEYENNE	CHEYENNE WELLS	102.35	38.82	1296	-24	4	36	2	36	56	-24	-24	40	60	-32	-32	PG	64 -34
CA	MONTROSE	CIMARRON	107.45	38.55	2104	-33	4	32	2	32	53	-33	-33	36	56	-41	-41	PG	58 -46
CA	LAKE	CLIMAX	106.18	39.37	3462	-29	6	21	2	21	42	-29	-29	25	46	-41	-41	PG	46 -46

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				BINDER GRADE	
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	PVT	MIN PVT	MAX AIR	MIN AIR	PVT	MIN PVT	PG	HT
CO	GUNNISON	COCHETOPA CREEK	106.77	38.43	2440	-34	3	29	1	29	-34	-34	-34	31	52	-40	-40	PG	52 -40
CO	MESA	COLLBRAN	107.97	39.25	1824	-26	5	33	2	33	-26	-26	-26	37	57	-36	-36	PG	58 -40
CO	EL PASO	COLORADO SPRGS WSO AP	104.72	38.82	1858	-23	4	33	1	33	-23	-23	-23	35	55	-31	-31	PG	58 -34
CO	MONTIZUMA	CORTEZ	108.55	37.37	1894	-24	4	33	1	33	-24	-24	-24	35	56	-32	-32	PG	58 -34
CO	MOFFAT	CRAIG	101.55	40.53	1909	-32	6	32	2	32	-32	-32	-32	36	56	-44	-44	PG	58 -46
CO	GUNNISON	CRESTED BUTTE	106.97	38.87	2702	-35	4	27	2	27	-35	-35	-35	31	52	-43	-43	PG	52 -46
CO	LAS ANIMAS	DELHI	104.02	37.63	1552	-27	4	37	1	37	-27	-27	-27	39	60	-35	-35	PG	64 -40
CO	DELTA	DELTA	108.07	38.75	1504	-23	5	36	1	36	-23	-23	-23	35	55	-32	-32	PG	58 -34
CO	DENVER	DENVER CITY UR	104.98	39.75	1623	-24	4	33	1	33	-24	-24	-24	35	55	-32	-32	PG	58 -34
CO	DENVER	DENVER WSO AP	104.87	39.77	1610	-24	4	34	1	34	-24	-24	-24	36	56	-32	-32	PG	58 -34
CO	DENVER	DENVER CITY	104.98	39.75	1623	-21	4	33	1	33	-21	-21	-21	35	55	-29	-29	PG	58 -34
CO	SUMMIT	DILLON 1 E	106.03	39.63	2766	-35	4	26	1	26	-35	-35	-35	28	49	-43	-43	PG	52 -46
CO	MOFFAT	DINOSAUR NATL MONUMENT	108.97	40.23	1806	-26	4	35	2	35	-26	-26	-26	36	57	-32	-32	PG	58 -34
CO	LA PLATA	DURANGO	107.88	37.28	2013	-24	4	32	2	32	-24	-24	-24	36	57	-32	-32	PG	58 -34
CO	KOWA	EADS	102.78	38.48	1284	-24	5	37	2	37	-24	-24	-24	41	61	-34	-34	PG	64 -34
CO	LARIMER	ESTES PARK	105.52	40.38	2297	-29	4	28	1	28	-29	-29	-29	30	50	-37	-37	PG	52 -40
CO	JEFFERSON	EVERGREEN	105.32	39.63	2135	-28	4	30	1	30	-28	-28	-28	32	52	-36	-36	PG	58 -40
CO	KIT CARSON	FLAGLER 2 NW	103.08	38.55	1458	-26	5	36	3	36	-26	-26	-26	38	58	-35	-35	PG	64 -40
CO	LINCOLN	FORDER 8 S	103.68	38.55	1458	-26	5	36	3	36	-26	-26	-26	42	62	-36	-36	PG	64 -40
CO	LARIMER	FORT COLLINS	105.08	40.58	1525	-28	5	32	1	32	-28	-28	-28	34	54	-38	-38	PG	58 -40
CO	LA PLATA	FORT LEWIS	108.05	37.23	2318	-26	6	29	1	29	-26	-26	-26	31	52	-38	-38	PG	58 -40
CO	WELD	FORT LUPKIN 2 SE	104.78	40.07	1531	-27	4	35	2	35	-27	-27	-27	39	59	-35	-35	PG	64 -40
CO	GRAND	FRASER	105.83	39.95	2611	-38	4	26	2	26	-38	-38	-38	40	60	-46	-46	PG	52 -46
CO	MESA	FRUITA 1 W	108.75	39.17	1366	-24	6	36	2	36	-24	-24	-24	51	61	-36	-36	PG	64 -40
CO	CLEAR CREEK	GEORGETOWN	105.70	39.70	2596	-22	8	27	2	27	-22	-22	-22	38	58	-30	-30	PG	64 -34
CO	MESA	GRAND JUNCTION WSO AP	108.55	39.10	1479	-20	5	36	1	36	-20	-20	-20	29	49	-40	-40	PG	52 -40
CO	GRAND	GRAND JUNCTION 6 ESE	108.45	39.05	1452	-19	5	36	1	36	-19	-19	-19	29	49	-40	-40	PG	52 -40
CO	GRAND	GRAND LAKE 1 NW	105.83	40.27	2660	-34	3	27	1	27	-34	-34	-34	28	48	-42	-42	PG	52 -46
CO	GRAND	GRAND LAKE 6 SSW	105.87	40.18	2528	-34	4	26	1	26	-34	-34	-34	29	49	-42	-42	PG	52 -46
CO	PARK	GRANT	105.68	39.47	2644	-28	3	27	1	27	-28	-28	-28	33	53	-31	-31	PG	58 -34
CO	ALAMOSA	GREAT SAND DUNES NM	105.53	37.72	2477	-25	3	29	2	29	-25	-25	-25	34	54	-31	-31	PG	58 -34
CO	WELD	GREELEY UNC	104.70	40.42	1440	-26	3	35	1	35	-26	-26	-26	31	51	-39	-39	PG	52 -40
CO	SUMMIT	GREEN MOUNTAIN DAM	106.33	39.88	2361	-31	4	29	1	29	-31	-31	-31	38	58	-32	-32	PG	58 -34
CO	GUNNISON	GROVER 10 W	104.42	40.87	1549	-24	4	34	2	34	-24	-24	-24	33	53	-44	-44	PG	58 -46
CO	LA PLATA	GUNNISON	106.93	38.53	2336	-36	4	29	2	29	-36	-36	-36	33	53	-44	-44	PG	58 -46
CO	ROUIT	HAYDEN	107.25	40.48	1946	-33	5	32	1	32	-33	-33	-33	29	49	-42	-42	PG	52 -46
CO	MINERAL	HERMIT 7 ESE	107.13	37.77	2745	-36	3	27	1	27	-36	-36	-36	42	62	-32	-32	PG	64 -34
CO	PROMERS	HOLLY	102.12	38.05	1034	-24	4	38	2	38	-24	-24	-24	40	60	-34	-34	PG	64 -34
CO	PHILLIPS	HOLYOKE	102.30	40.58	1138	-26	4	36	2	36	-26	-26	-26	31	51	-34	-34	PG	58 -46
CO	GRAND	HOT SULPHUR SP 2 SW	106.13	40.05	2318	-33	4	29	2	29	-33	-33	-33	35	55	-34	-34	PG	58 -34
CO	CLEAR CREEK	IDAHO SPRINGS	105.52	39.75	2306	-26	4	29	1	29	-26	-26	-26	35	55	-34	-34	PG	58 -34
CO	LA PLATA	IGNACIO 1 N	107.63	37.13	1970	-26	4	33	1	33	-26	-26	-26	43	63	-32	-32	PG	64 -34
CO	BENT	JOHN MARTIN DAM	102.92	38.07	1162	-24	4	37	3	37	-24	-24	-24	41	61	-35	-35	PG	64 -40
CO	SEDGWICK	JULESBURG	102.25	41.00	1058	-27	3	34	1	34	-27	-27	-27	36	56	-33	-33	PG	58 -34
CO	JEFFERSON	KASSLER	103.93	40.85	1601	-27	3	34	1	34	-27	-27	-27	36	56	-33	-33	PG	58 -34
CO	WELD	KAUFFMAN 4 SSE	102.77	38.70	1290	-26	4	37	1	37	-26	-26	-26	39	59	-44	-44	PG	58 -46
CO	CHEYENNE	KIT CARSON 6 S	106.38	40.07	2248	-36	4	29	2	29	-36	-36	-36	40	60	-32	-32	PG	64 -34
CO	GRAND	KREMLING	103.52	38.05	1281	-24	4	38	1	38	-24	-24	-24	30	50	-38	-38	PG	52 -40
CO	OTERO	LA JUNTA FAA AP	107.32	38.03	2644	-32	3	28	1	28	-32	-32	-32	31	51	-44	-44	PG	52 -46
CO	HINSDALE	LAKE CITY	107.32	38.03	2644	-32	3	28	1	28	-32	-32	-32	35	55	-30	-30	PG	58 -34
CO	PARK	LAKE GEORGE 8 SW	105.48	38.92	2599	-34	5	27	2	27	-34	-34	-34	42	62	-32	-32	PG	64 -34
CO	JEFFERSON	LAKEWOOD	105.13	39.75	1720	-24	3	33	1	33	-24	-24	-24	35	55	-30	-30	PG	58 -34
CO	PROMERS	LAMAR	102.62	38.08	1104	-24	4	38	2	38	-24	-24	-24	42	62	-32	-32	PG	64 -34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE								
			LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		BINDER GRADE		TEMPERATURES		TEMPERATURES		BINDER GRADE						
			AVG	STD	AVG	STD	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	PG	HT	LT	PG	HT	LT			
00	BENT	LAS ANIMAS	103.22	38.07	1186	-25	4	39	1	39	59	-25	-25	RG	64	-28	41	61	-33	-33	RG	64	-34
00	LAKE	LEADVILLE	106.30	39.25	3078	-29	3	24	1	24	45	-29	-29	RG	46	-34	26	47	-35	-35	RG	52	-40
00	ELBERT	LIMON 10 SSW	103.77	39.15	1696	-26	4	34	2	34	54	-26	-26	RG	58	-28	38	58	-34	-34	RG	64	-34
00		LIMON	103.70	39.27	1635	-26	3	33	1	33	53	-26	-26	RG	58	-28	35	55	-32	-32	RG	58	-34
00	RIO BLANCO	LITTLE HILLS	108.20	40.00	1873	-33	4	32	1	32	52	-33	-33	RG	58	-34	34	54	-41	-41	RG	58	-46
00	BOULDER	LONGMONT	105.10	40.18	1522	-27	4	34	1	34	54	-27	-27	RG	58	-28	36	56	-35	-35	RG	58	-40
00	CONEJOS	MANASSA	105.93	37.17	2346	-30	4	29	2	29	50	-30	-30	RG	52	-34	33	54	-38	-38	RG	58	-40
00	MOFFAT	MAYBELL	108.08	40.52	1803	-37	7	32	3	32	52	-37	-37	RG	58	-40	38	58	-51	-51	RG	58	-52
00	RIO BLANCO	MEBER	107.90	40.03	1903	-31	5	32	2	32	52	-31	-31	RG	58	-34	36	56	-41	-41	RG	58	-46
00	PITKIN	MEREDITH	106.75	39.37	2388	-30	3	29	2	29	50	-30	-30	RG	52	-34	33	53	-36	-36	RG	58	-40
00	RIO GRANDE	MONTE VISTA 1 E	106.08	37.57	2330	-30	3	29	1	29	50	-30	-30	RG	52	-34	31	52	-36	-36	RG	52	-40
00	MONTEROSE	MONTEROSE2	107.88	38.48	1778	-22	4	34	2	34	55	-22	-22	RG	58	-22	38	58	-30	-30	RG	64	-34
00	WELD	NEW RAYMER	103.85	40.60	1458	-27	4	36	1	36	56	-27	-27	RG	58	-28	38	58	-35	-35	RG	58	-40
00	DOLORES	NORTHDALE	109.02	37.82	2037	-28	4	33	1	33	54	-28	-28	RG	58	-28	35	56	-36	-36	RG	58	-40
00	LAS ANIMAS	NORTH LAKE	105.05	37.22	2684	-27	5	27	2	27	48	-27	-27	RG	52	-28	31	52	-37	-37	RG	58	-40
00	SAN MIGUEL	NORWOOD	108.28	38.13	2141	-26	4	31	1	31	52	-26	-26	RG	52	-28	33	54	-40	-40	RG	58	-40
00	OURAY	OURAY	107.67	38.02	2391	-22	3	29	1	29	50	-22	-22	RG	52	-22	31	52	-28	-28	RG	52	-28
00	ARCHULETA	PAGOSA SPRINGS	107.02	37.27	2169	-32	4	31	1	31	52	-32	-32	RG	52	-34	33	54	-40	-40	RG	58	-40
00	MESA	PALISADE	108.35	39.12	1464	-17	4	37	2	37	57	-17	-17	RG	58	-22	41	61	-25	-25	RG	64	-28
00	EL PASO	PALMER LAKE	104.92	39.12	2202	-26	4	29	2	29	50	-26	-26	RG	52	-28	33	53	-34	-34	RG	58	-34
00	DELTA	PAONIA 1 S	107.58	38.87	1870	-22	4	33	1	33	54	-22	-22	RG	58	-22	35	55	-30	-30	RG	58	-34
00	MONTEROSE	PARADOX 1 E	108.95	38.37	1610	-23	4	36	1	36	57	-23	-23	RG	58	-28	38	58	-31	-31	RG	64	-34
00	ELBERT	PARKER 6 E	104.65	39.53	1925	-28	4	33	1	33	53	-28	-28	RG	58	-28	35	55	-36	-36	RG	58	-40
00	GUNNISON	PITKIN	106.53	38.60	2806	-33	3	25	2	25	46	-33	-33	RG	46	-34	29	50	-39	-39	RG	52	-40
00	PUEBLO	PUEBLO WISO AP	104.52	38.28	1415	-26	4	37	1	37	57	-26	-26	RG	58	-28	39	59	-34	-34	RG	64	-34
00	LARIMER	RED FEATHER LAKES 2 SE	105.55	40.78	2492	-29	4	27	2	27	47	-29	-29	RG	52	-34	31	51	-37	-37	RG	52	-40
00	DOLORES	RICO	108.03	37.70	2678	-29	4	27	1	27	48	-29	-29	RG	52	-34	29	50	-37	-37	RG	52	-40
00	GARFIELD	RIFLE	107.80	39.53	1623	-26	6	34	2	34	54	-26	-26	RG	58	-28	38	58	-38	-38	RG	64	-40
00	OTERO	ROCKY FORD 2 SE	103.70	38.03	1272	-26	4	37	1	37	58	-26	-26	RG	58	-28	39	59	-34	-34	RG	64	-34
00	EL PASO	RUSH 4 N	104.10	38.88	1864	-25	7	33	2	33	54	-25	-25	RG	58	-28	37	57	-39	-39	RG	58	-40
00	EL PASO	RUXTON PARK	104.98	38.85	2760	-30	4	25	1	25	46	-30	-30	RG	46	-34	27	48	-38	-38	RG	58	-40
00	PUEBLO	RYE	104.93	37.92	2074	-26	4	31	2	31	52	-26	-26	RG	52	-28	35	56	-34	-34	RG	58	-34
00	SAGUACHE	SAGUACHE	106.13	38.08	2346	-27	4	29	1	29	50	-27	-27	RG	52	-28	31	52	-35	-35	RG	52	-40
00	CHAFFEE	SALIDA	106.02	38.53	1879	-27	4	31	1	31	52	-27	-27	RG	52	-28	33	54	-35	-35	RG	58	-40
00	SEDGWICK	SEDGWICK 5 S	102.52	40.85	1217	-25	6	36	1	36	56	-25	-25	RG	58	-28	38	58	-37	-37	RG	58	-40
00	SAN JUAN	SILVERTON	107.67	37.82	2827	-32	3	25	2	25	46	-32	-32	RG	52	-34	29	50	-38	-38	RG	52	-40
00	JACKSON	SPICER	106.45	40.47	2544	-34	5	27	1	27	47	-34	-34	RG	52	-34	29	49	-44	-44	RG	52	-46
00	BACA	SPRINGFIELD 7 WSW	102.73	37.38	1397	-23	3	36	1	36	57	-23	-23	RG	58	-28	38	59	-29	-29	RG	64	-34
00	ROUTT	STEAMBOAT SPRINGS	106.83	40.48	2062	-36	4	30	2	30	50	-36	-36	RG	52	-40	34	54	-44	-44	RG	58	-46
00	LOGAN	STERLING	103.22	40.62	1202	-27	4	36	2	36	56	-27	-27	RG	58	-28	40	60	-35	-35	RG	64	-40
00	KIT CARSON	STRATTON	102.60	39.30	1339	-23	5	36	2	36	56	-23	-23	RG	58	-28	40	60	-33	-33	RG	64	-34
00	LAKE	SUGARLOAF RESERVOIR	106.37	39.25	2971	-34	5	23	2	23	44	-34	-34	RG	46	-34	27	48	-44	-44	RG	52	-46
00	PUEBLO	TACONY 10 SE	104.07	38.38	1513	-26	3	37	1	37	57	-26	-26	RG	58	-28	39	59	-32	-32	RG	64	-34
00	GUNNISON	TAYLOR PARK	106.62	38.82	2809	-42	4	24	1	24	45	-42	-42	RG	46	-46	26	47	-50	-50	RG	52	-52
00	SAN MIGUEL	TELLURIDE	107.82	37.93	2684	-28	4	27	2	27	48	-28	-28	RG	52	-28	31	52	-36	-36	RG	52	-40
00	LAS ANIMAS	TRINIDAD	104.48	37.17	1839	-24	4	33	1	33	54	-24	-24	RG	58	-28	35	56	-32	-32	RG	58	-34
00	LAS ANIMAS	TRINIDAD FAA AP	104.33	37.25	1754	-24	4	34	1	34	55	-24	-24	RG	58	-28	36	57	-32	-32	RG	58	-34
00	LAKE	TWIN LAKES RESERVOIR	106.35	39.10	2806	-33	4	24	1	24	45	-33	-33	RG	46	-34	26	47	-41	-41	RG	52	-46
00	BACA	TWO BUTTES	102.40	37.57	1260	-21	7	36	3	36	57	-21	-21	RG	58	-22	42	62	-35	-35	RG	64	-40
00	MONTEROSE	URAVAN	108.73	38.37	1528	-21	4	37	2	37	57	-21	-21	RG	58	-22	41	61	-29	-29	RG	64	-34
00	LA PLATA	VALLECITO DAM	107.58	37.37	2333	-28	4	30	1	30	51	-28	-28	RG	52	-28	32	53	-36	-36	RG	58	-40
00	MINERAL	WAGON WHEEL GAP 3 N	106.83	37.80	2592	-36	3	27	1	27	48	-36	-36	RG	52	-40	29	50	-42	-42	RG	52	-46
00	JACKSON	WALDEN	106.28	40.73	2477	-35	4	28	1	28	48	-35	-35	RG	52	-40	30	50	-43	-43	RG	52	-46

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG			LAT			ELEV			AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			AVG	STD	HIGH	TEMP	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	PVT	MAX	AIR	PVT	MIN	AIR	P

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY				BINDER GRADE			
			LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				TEMPERATURES				TEMPERATURES			
			AVG	STD	AVG	STD	MAX	AIR	MAX	PVT	MIN	AIR	MIN	PVT	MAX	AIR	MAX	PVT	MIN	AIR	MIN	PVT
NM	MORA	GASCON	105.43	35.90	2516	-24	3	28	2	28	49	-24	-24	RG	52	-28	32	53	-30	RG	58	-34
NM	RIO ARriba	GAVILAN	106.97	36.43	2263	-36	4	32	1	32	53	-36	-36	RG	58	-40	34	55	-44	RG	58	-46
NM	GRANT	GILA HOT SPRINGS	108.22	33.20	1708	-18	3	36	2	36	58	-18	-18	RG	58	-22	40	61	-24	RG	64	-28
NM	VALENCIA	GRANTS AIRPORT	107.90	35.17	1989	-24	4	33	1	33	54	-24	-24	RG	58	-28	35	56	-32	RG	58	-34
NM	UNION	GRENWILLE	103.62	36.60	1830	-23	4	33	2	33	54	-23	-23	RG	58	-28	37	58	-31	RG	58	-34
NM	CATRON	HICKMAN	107.93	34.52	2379	-23	5	31	1	31	53	-23	-23	RG	58	-28	33	54	-33	RG	58	-34
NM	LEA	HOBBS	103.13	32.70	1104	-14	3	37	1	37	59	-14	-14	RG	64	-16	39	61	-20	RG	64	-22
NM	EDDY	HOPE	104.73	32.82	1250	-16	4	38	2	38	60	-16	-16	RG	64	-16	42	63	-24	RG	64	-28
NM	SANDOVAL	JEMEZ SPRINGS	106.68	35.77	1909	-19	3	34	2	34	55	-19	-19	RG	58	-22	38	59	-25	RG	64	-28
NM	CATRON	JEWETT WORK CENTER	108.63	33.98	2257	-25	5	32	1	32	54	-25	-25	RG	58	-28	34	56	-35	RG	58	-40
NM	DONA ANA	JORNADA EXP RANGE	106.73	32.62	1302	-17	4	38	2	38	60	-17	-17	RG	64	-22	42	63	-25	RG	64	-28
NM	VALENCIA	LAGUNA	107.40	35.03	1769	-19	4	35	2	35	56	-19	-19	RG	58	-22	39	60	-27	RG	64	-28
NM	EDDY	LAKE AVALON	104.25	32.48	979	-14	5	39	1	39	61	-14	-14	RG	64	-16	41	62	-24	RG	64	-28
NM	COLFAX	LAKE MALOYA	104.37	36.98	2257	-22	4	29	1	29	50	-22	-22	RG	58	-22	31	52	-36	RG	58	-40
NM	SAN MIGUEL	LAS VEGAS FAA AP	105.15	35.65	2095	-28	4	31	2	31	52	-28	-28	RG	58	-22	35	56	-30	RG	58	-34
NM	ALAMOS	LOS ALAMOS	106.32	35.87	2245	-19	4	30	2	30	51	-19	-19	RG	52	-22	34	55	-27	RG	58	-28
NM	CATRON	LUNA RANGER STN	108.93	33.83	2150	-27	5	31	2	31	53	-27	-27	RG	58	-28	35	57	-37	RG	58	-40
NM	RIO ARriba	LYBROOK	107.57	36.23	2181	-21	6	32	2	32	53	-21	-21	RG	58	-22	36	57	-33	RG	58	-34
NM	LEA	MALJAMAR 4 SE	103.70	32.82	1220	-16	3	37	2	37	59	-16	-16	RG	64	-16	41	62	-22	RG	64	-22
NM	COLFAX	MAXWELL 3 NW	104.62	36.57	1836	-27	4	33	2	33	54	-27	-27	RG	58	-28	37	58	-35	RG	58	-40
NM	OTERO	MAYHILL RANGER STN	105.47	32.92	2001	-19	3	32	2	32	54	-19	-19	RG	58	-22	36	58	-25	RG	58	-28
NM	MC KINLEY	MC GAFFEY 4 SE	108.45	35.35	2379	-27	3	30	2	30	51	-27	-27	RG	52	-22	34	55	-23	RG	58	-34
NM	OTERO	MESCALERO	105.78	33.15	2047	-18	4	31	1	31	53	-18	-18	RG	58	-22	33	55	-26	RG	58	-28
NM	OTERO	MOUNTAIN PARK	105.85	32.95	2068	-15	3	31	2	31	53	-15	-15	RG	58	-16	35	57	-21	RG	58	-22
NM	TORRANCE	MOUNTAINAIR	106.25	34.53	1989	-21	4	33	1	33	54	-21	-21	RG	58	-22	35	56	-29	RG	58	-34
NM	SAN JUAN	NAVAJO DAM	107.62	36.82	1760	-17	4	34	1	34	55	-17	-17	RG	58	-22	36	57	-25	RG	58	-28
NM	SAN JUAN	NEWCOMB	108.72	36.30	1702	-22	4	37	1	37	58	-22	-22	RG	58	-22	39	60	-30	RG	64	-34
NM	GUADALUPE	NEWKIRK	104.27	35.07	1394	-19	4	37	2	37	58	-19	-19	RG	64	-22	41	62	-27	RG	64	-28
NM	QUAY	OBAR	103.20	35.55	1250	-21	4	37	1	37	58	-21	-21	RG	64	-22	39	60	-29	RG	64	-34
NM	MORA	OCATE 1 N	105.05	36.18	2339	-27	4	30	2	30	51	-27	-27	RG	52	-28	34	55	-35	RG	58	-40
NM	UNION	PASAMONTE	103.73	36.30	1723	-22	4	34	2	34	55	-22	-22	RG	58	-22	38	59	-30	RG	64	-34
NM	LEA	PEARL	103.38	32.65	1159	-16	3	37	1	37	59	-16	-16	RG	64	-16	39	61	-22	RG	58	-34
NM	SAN MIGUEL	PECOS RANGER STN	105.68	35.58	2104	-24	4	32	2	32	53	-24	-24	RG	58	-22	35	56	-30	RG	64	-28
NM	TORRANCE	PEDERNA 4 E	105.57	34.63	1891	-22	4	33	1	33	54	-22	-22	RG	58	-22	36	57	-32	RG	58	-34
NM	LINCOLN	PICACHO	105.13	33.35	1516	-15	5	36	1	36	58	-15	-15	RG	58	-16	38	59	-25	RG	64	-28
NM	ROOSEVELT	PORTALES	103.35	34.18	1223	-19	4	37	2	37	58	-19	-19	RG	64	-22	41	62	-27	RG	64	-28
NM	CATRON	QUEMADO RANGER STN	108.50	34.35	2098	-26	4	33	2	33	55	-26	-26	RG	58	-28	37	58	-34	RG	64	-34
NM	QUAY	RAMON 8 SW	103.75	34.80	2	-19	3	35	2	35	56	-19	-19	RG	58	-22	39	60	-25	RG	64	-28
NM	LINCOLN	RATON FILTER PLANT	105.00	34.15	1626	-20	4	35	2	35	56	-20	-20	RG	58	-22	33	54	-28	RG	64	-28
NM	COLFAX	RED RIVER	104.43	36.92	2114	-21	4	31	1	31	52	-21	-21	RG	58	-22	29	50	-39	RG	58	-40
NM	TAOS	REDROCK 1 NNE	105.40	36.70	2647	-31	4	27	1	27	48	-31	-31	RG	52	-34	41	62	-19	RG	64	-22
NM	SANDOVAL	REGINA	108.73	32.70	1266	-13	3	39	1	39	61	-13	-13	RG	64	-16	41	62	-35	RG	58	-40
NM	CATRON	RESERVER S	106.95	36.18	2272	-27	4	31	1	31	52	-27	-27	RG	58	-28	33	54	-35	RG	58	-40
NM	HIDALGO	RIOJO	108.78	33.72	1784	-21	4	35	2	35	57	-21	-21	RG	58	-22	39	60	-29	RG	64	-34
NM	CHAVES	ROSWELL WSO AP	109.03	31.83	1254	-12	2	38	2	38	60	-12	-12	RG	64	-16	42	64	-16	RG	64	-16
NM	HARDING	ROY	104.53	33.40	1110	-17	6	37	2	37	58	-17	-17	RG	64	-16	41	62	-29	RG	64	-34
NM	LINCOLN	RUIDOSO 2 NNE	105.67	33.37	2086	-24	4	31	2	31	53	-24	-24	RG	58	-22	35	57	-32	RG	64	-34
NM	SOCORRO	SAN FIDEL 2 E	107.60	35.10	1879	-22	4	34	2	34	55	-22	-22	RG	58	-22	38	59	-30	RG	64	-34
NM	COLFAX	SOCORRO	106.88	34.08	1400	-16	3	37	1	37	58	-16	-16	RG	64	-16	39	60	-22	RG	64	-22
NM	SANTA FE	SPRINGER	104.58	36.37	1815	-27	4	35	2	35	56	-27	-27	RG	58	-28	39	60	-35	RG	64	-40
NM	MC KINLEY	STANLEY 1 NNE	105.97	35.17	1946	-23	4	33	1	33	54	-23	-23	RG	58	-28	35	56	-31	RG	58	-34
NM	MC KINLEY	STAR LAKE	107.47	35.93	2025	-28	4	33	2	33	54	-28	-28	RG	58	-28	37	58	-36	RG	64	-40

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG			LAT			ELEV			AIR TEMP			50% RELIABILITY					98% RELIABILITY					BINDER GRADE		
			LOW TEMP	STD	HIGH TEMP	AVG	STD	AVG	TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT	LT				
									MAX AIR	MIN	PVT	MAX AIR	MIN	PVT	MAX AIR	MIN	PVT	MAX AIR	MIN	PVT							
NM	TAOS	TAJIQUE 4 N	106.30	34.80	2129	-23	3	32	1	32	53	-23	-23	34	55	-29	-29	PG	58	-28	PG	58	-34				
NM	TAOS	TAOS	105.60	36.38	2126	-26	4	32	2	32	53	-26	-26	36	57	-34	-34	PG	58	-28	PG	58	-34				
NM	LEA	TATUM	103.32	33.27	1250	-18	4	37	2	37	59	-18	-18	41	62	-26	-26	PG	64	-22	PG	64	-28				
NM	RIO ARRIABA	TIERRA AMARILLA 4 NNW	106.57	36.75	2266	-29	4	31	2	31	52	-29	-29	35	56	-37	-37	PG	58	-34	PG	58	-40				
NM	MCKINLEY	TOHATCHI 1 ESE	108.73	35.85	1958	-17	3	33	3	33	54	-17	-17	39	60	-23	-23	PG	58	-22	PG	64	-28				
NM	SANDOVAL	TORREON NAVAJO MISSION	107.18	35.80	2044	-23	5	34	1	34	55	-23	-23	36	57	-33	-33	PG	58	-22	PG	58	-34				
NM	TAOS	TRES PIEDRAS	105.98	36.67	2483	-28	4	29	2	29	50	-28	-28	33	54	-36	-36	PG	58	-22	PG	58	-40				
NM	SIERRA	TRUTH OR CONS FAA AP	107.27	33.23	1470	-13	3	37	1	37	59	-13	-13	39	60	-19	-19	PG	64	-22	PG	64	-22				
NM	QUAY	TUCUMCARI FAA AP	103.60	35.18	1235	-19	4	37	2	37	58	-19	-19	41	62	-27	-27	PG	64	-22	PG	64	-22				
NM	OTERO	TULAROSA	106.05	33.08	1351	-12	3	37	1	37	59	-12	-12	39	60	-18	-18	PG	64	-22	PG	64	-22				
NM	MORA	VALMORA	104.93	35.82	1925	-26	4	32	1	32	53	-26	-26	34	55	-34	-34	PG	58	-34	PG	64	-34				
NM	GUADALUPE	VAUGHN	105.20	34.60	1821	-19	6	34	2	34	55	-19	-19	38	59	-31	-31	PG	58	-22	PG	64	-28				
NM	GRANT	WHITE SIGNAL	108.37	32.55	1851	-16	4	34	2	34	56	-16	-16	38	59	-27	-27	PG	64	-28	PG	64	-28				
NM	SIERRA	WINSTON	107.65	33.35	1891	-19	4	32	3	32	54	-19	-19	38	59	-36	-36	PG	52	-40	PG	64	-28				
NM	SANDOVAL	WOLF CANYON	106.75	35.95	2507	-28	4	28	1	28	49	-28	-28	30	51	-30	-30	PG	58	-22	PG	58	-34				
NM	DE BACA	YESO 2 S	104.62	34.40	1479	-20	5	36	2	36	57	-20	-20	40	61	-30	-30	PG	58	-22	PG	58	-34				
NM	MCKINLEY	ZUNI	108.83	35.07	1925	-21	5	33	1	33	54	-21	-21	35	55	-31	-31	PG	58	-22	PG	58	-34				
NV	ELKO	ARTHUR 4 NW	115.18	40.78	1922	-24	3	31	2	31	51	-24	-24	37	57	-34	-34	PG	64	-34	PG	64	-34				
NV	LANDER	BATTLE MOUNTAIN AP	116.90	40.58	1385	-24	5	37	1	37	57	-24	-24	39	59	-34	-34	PG	64	-16	PG	64	-16				
NV	NYE	BEATTY	116.75	36.92	1006	-11	2	40	1	40	61	-11	-11	42	63	-15	-15	PG	64	-34	PG	64	-34				
NV	EUREKA	BEOWAWE	116.48	40.60	1434	-24	5	36	3	36	56	-24	-24	42	62	-34	-34	PG	64	-34	PG	64	-34				
NV	ELK	CALIENTE	114.52	37.62	1342	-20	5	38	2	38	59	-20	-20	42	62	-30	-30	PG	64	-34	PG	64	-34				
NV	ELK	CARLIN GOLD MINE	116.32	40.97	1989	-20	6	32	1	32	52	-20	-20	34	54	-32	-32	PG	58	-22	PG	58	-34				
NV	ELK	CONTACT	116.32	40.97	1989	-20	6	32	1	32	52	-20	-20	34	54	-32	-32	PG	58	-22	PG	58	-34				
NV	ELK	DEETH	115.27	41.07	1629	-30	4	33	2	33	53	-30	-30	37	57	-38	-38	PG	58	-22	PG	58	-34				
NV	HUMBOLDT	DENO	118.63	41.97	1278	-21	5	37	1	37	57	-21	-21	39	58	-31	-31	PG	64	-34	PG	64	-34				
NV	NYE	DIABLO	116.05	37.92	1556	-22	6	39	3	39	59	-22	-22	45	65	-34	-34	PG	70	-34	PG	70	-34				
NV	NYE	DUCKWATER	115.72	38.90	1647	-21	4	36	2	36	56	-21	-21	40	60	-29	-29	PG	64	-34	PG	64	-34				
NV	HUMBOLDT	DURPRENA	119.02	41.87	1464	-24	5	33	3	33	53	-24	-24	39	58	-34	-34	PG	64	-34	PG	64	-34				
NV	ESMERALDA	DYER 4 SE	118.03	37.62	1519	-21	4	37	1	37	58	-21	-21	39	60	-29	-29	PG	64	-34	PG	64	-34				
NV	ELK	ELGIN 3 SE	114.50	37.32	1006	-9	3	41	2	41	62	-9	-9	45	65	-15	-15	PG	70	-16	PG	70	-16				
NV	WHITE PINE	ELY WSO AP	115.78	40.83	1549	-27	5	36	1	36	56	-27	-27	38	58	-37	-37	PG	58	-28	PG	58	-34				
NV	EUREKA	EMIGRANT PASS HWY STN	114.85	39.28	1909	-27	3	33	1	33	53	-27	-27	35	55	-33	-33	PG	58	-34	PG	58	-34				
NV	EUREKA	EUREKA	116.30	40.65	1757	-21	4	34	1	34	54	-21	-21	36	56	-29	-29	PG	58	-22	PG	58	-28				
NV	CHURCHILL	FALLON EXP STN	115.97	39.52	1895	-22	3	33	2	33	53	-22	-22	37	57	-28	-28	PG	64	-34	PG	64	-34				
NV	LYON	FERNLEY	118.78	39.45	1211	-19	5	36	2	36	56	-19	-19	40	60	-29	-29	PG	64	-28	PG	64	-28				
NV	WASHOE	GERLACH	119.25	39.62	1269	-19	4	37	2	37	57	-19	-19	41	61	-27	-27	PG	64	-28	PG	64	-28				
NV	ELK	GEYSER RANCH	119.35	40.65	1205	-19	6	36	3	36	56	-19	-19	42	62	-31	-31	PG	64	-34	PG	64	-34				
NV	ELK	GIBBS RANCH	114.63	38.67	1836	-24	7	34	1	34	55	-24	-24	36	56	-38	-38	PG	58	-40	PG	58	-40				
NV	DOUGLAS	GLENBROOK	115.22	41.55	1830	-29	3	31	2	31	51	-29	-29	35	55	-35	-35	PG	58	-40	PG	58	-40				
NV	HUMBOLDT	GLOONDA	119.95	39.08	1937	-15	3	30	2	30	51	-15	-15	34	54	-21	-21	PG	64	-34	PG	64	-34				
NV	ESMERALDA	GOLDFIELD	117.48	40.95	1339	-22	5	37	2	37	57	-22	-22	41	61	-32	-32	PG	64	-34	PG	64	-34				
NV	MINERAL	HAWTHORNE AP	117.23	37.70	1736	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	64	-28	PG	64	-28				
NV	PERSHING	IMLAY	118.67	38.55	1287	-15	4	38	2	38	58	-15	-15	42	62	-23	-23	PG	64	-28	PG	64	-28				
NV	ELK	KEY PITTMAN WMA	118.15	40.65	1299	-20	4	37	2	37	57	-20	-20	41	61	-28	-28	PG	64	-28	PG	64	-28				
NV	ELK	KINGS RIVER VALLEY	115.22	37.62	1205	-12	3	38	3	38	59	-12	-12	44	64	-18	-18	PG	64	-28	PG	64	-28				
NV	CHURCHILL	LAHONTAN DAM	118.23	41.75	1293	-23	4	36	2	36	56	-23	-23	40	59	-31	-31	PG	64	-34	PG	64	-34				
NV	ELKO	LAMOILLE P H	119.07	39.47	1266	-15	4	37	2	37	57	-15	-15	41	61	-23	-23	PG	58	-34	PG	58	-34				
NV	ELKO	LAS VEGAS	115.47	40.68	1918	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58	-34	PG	58	-34				
NV	ELKO	LAS VEGAS	115.13	36.17	613	-7	2	42	2	42	63	-7	-7	46	67	-11	-11	PG	70	-16	PG	70	-16				

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY				BINDER GRADE			
						TEMP				TEMPERATURES				TEMPERATURES				TEMPERATURES				TEMPERATURES			
						LOW	TEMP	HIGH	STD	MAX	AIR	MIN	PVT	RG	HT	LT	PG	MAX	AIR	MIN	PVT	RG	HT	LT	PG
NV	CLARK	LAS VEGAS WSO AP	115.17	36.08	659	-7	2	43	1	43	64	-7	-7	RG	64	-10	RG	45	66	-11	-11	RG	70	-16	RG
NV	WHITE PINE	LEHMAN CAVES NM	114.22	39.00	2083	-21	3	32	1	32	53	-21	-21	RG	58	-22	RG	34	54	-27	-27	RG	58	-28	RG
NV	HUMBOLDT	LEONARD CREEK RANCH	118.72	41.52	1287	-18	4	37	1	37	57	-18	-18	RG	58	-22	RG	39	59	-26	-26	RG	64	-28	RG
NV	CLARK	LOGANDALE UN EXP FARM	114.47	36.57	403	-7	2	43	2	43	64	-7	-7	RG	64	-10	RG	47	67	-11	-11	RG	70	-16	RG
NV	PERSHING	LOVELOCK	118.47	40.18	1214	-19	5	37	2	37	57	-19	-19	RG	58	-22	RG	41	61	-29	-29	RG	64	-34	RG
NV	PERSHING	LOVELOCK FAA AP	118.55	40.07	1190	-21	6	37	2	37	57	-21	-21	RG	58	-22	RG	41	61	-33	-33	RG	64	-34	RG
NV	WHITE PINE	LUND	115.00	38.85	1699	-21	3	34	1	34	54	-21	-21	RG	58	-22	RG	36	56	-27	-27	RG	64	-28	RG
NV	WHITE PINE	MC GILL	114.77	39.40	1922	-22	4	33	1	33	53	-22	-22	RG	58	-22	RG	35	55	-30	-30	RG	64	-28	RG
NV	ELKO	METROPOLIS	115.02	41.28	1769	-19	4	33	2	33	53	-19	-19	RG	58	-22	RG	37	57	-27	-27	RG	64	-28	RG
NV	MINERAL	MINA	118.10	38.38	1388	-17	4	38	2	38	58	-17	-17	RG	64	-22	RG	42	62	-25	-25	RG	64	-28	RG
NV	ELKO	MONTELO 1 SE	114.20	41.25	1494	-27	4	36	2	36	56	-27	-27	RG	58	-28	RG	40	60	-35	-35	RG	64	-40	RG
NV	MINERAL	MONTOGOMERY MTC STN	118.32	37.97	2166	-22	4	30	2	30	51	-22	-22	RG	52	-22	RG	34	55	-30	-30	RG	58	-34	RG
NV	ELKO	MOUNTAIN CITY R S	115.97	41.83	1720	-32	4	32	1	32	52	-32	-32	RG	52	-34	RG	34	54	-40	-40	RG	58	-40	RG
NV	HUMBOLDT	OROVADA	117.78	41.57	1315	-20	4	37	1	37	57	-20	-20	RG	58	-22	RG	39	59	-28	-28	RG	64	-28	RG
NV	ELKO	OWHEE	116.10	41.95	1647	-25	5	32	1	32	52	-25	-25	RG	52	-28	RG	34	54	-35	-35	RG	58	-40	RG
NV	LINCOLN	PAHRANAGAT WILDLIFE REF	115.12	37.27	1037	-11	3	39	2	39	60	-11	-11	RG	64	-16	RG	43	63	-17	-17	RG	64	-22	RG
NV	NYE	PAHRUMP U OF N LAB	115.98	36.20	814	-12	2	41	3	41	62	-12	-12	RG	64	-16	RG	47	68	-16	-16	RG	70	-16	RG
NV	HUMBOLDT	PARADISE VALLEY 1 NW	117.53	41.50	1427	-23	5	35	3	35	55	-23	-23	RG	58	-28	RG	41	61	-33	-33	RG	64	-34	RG
NV	PERSHING	PARIS RANCH	117.68	40.22	1263	-20	4	38	1	38	58	-20	-20	RG	58	-22	RG	40	60	-28	-28	RG	64	-28	RG
NV	ELKO	PEQUOP	114.53	41.07	1922	-24	3	32	3	32	52	-24	-24	RG	58	-28	RG	38	58	-30	-30	RG	58	-34	RG
NV	LINCOLN	POOHE	114.45	37.93	1882	-17	3	34	1	34	55	-17	-17	RG	58	-22	RG	36	57	-23	-23	RG	58	-28	RG
NV	EUREKA	RAND RANCH PALISADE	116.12	40.43	1540	-29	4	34	2	34	54	-29	-29	RG	58	-34	RG	38	58	-26	-26	RG	64	-28	RG
NV	WASHOE	RENO WSO AP	119.78	39.50	1342	-18	4	36	1	36	56	-18	-18	RG	58	-22	RG	38	58	-34	-34	RG	58	-34	RG
NV	ELKO	RUBY LAKE	115.50	40.20	1833	-26	4	32	3	32	52	-26	-26	RG	58	-28	RG	38	58	-34	-34	RG	58	-34	RG
NV	WHITE PINE	RUTH	115.00	39.28	2092	-29	4	31	1	31	52	-29	-29	RG	52	-34	RG	33	53	-37	-37	RG	58	-40	RG
NV	PERSHING	RYE PATCH DAM	118.30	40.47	1263	-21	4	37	1	37	57	-21	-21	RG	58	-22	RG	39	59	-29	-29	RG	64	-34	RG
NV	WASHOE	SAND PASS	119.80	40.32	1190	-18	4	37	2	37	57	-18	-18	RG	58	-22	RG	41	61	-26	-26	RG	64	-28	RG
NV	CLARK	SEARCHLIGHT	114.92	35.47	1080	-7	2	39	1	39	60	-7	-7	RG	64	-10	RG	41	62	-11	-11	RG	64	-16	RG
NV	WASHOE	SHELDON	119.63	41.85	1982	-23	4	29	2	29	49	-23	-23	RG	52	-28	RG	33	53	-31	-31	RG	58	-34	RG
NV	ESMERALDA	SILVERPEAK	117.58	37.67	1299	-17	6	39	1	39	60	-17	-17	RG	64	-22	RG	41	61	-29	-29	RG	64	-34	RG
NV	WY	SNOWBALL RANCH	116.20	39.07	2184	-24	4	30	1	30	51	-24	-24	RG	52	-28	RG	32	53	-32	-32	RG	58	-34	RG
NV	WY	SUNNYSIDE	115.02	38.42	1616	-22	4	36	1	36	57	-22	-22	RG	58	-22	RG	38	58	-30	-30	RG	64	-34	RG
NV	CLARK	SUNRISE MANOR LAS VEGAS	115.08	36.20	555	-11	3	44	2	44	65	-11	-11	RG	70	-16	RG	48	68	-17	-17	RG	70	-22	RG
NV		TONOPAH	117.23	38.07	1858	-16	4	33	2	33	54	-16	-16	RG	58	-16	RG	37	58	-24	-24	RG	58	-28	RG
NV	WY	TONOPAH AIRPORT	117.08	38.07	1656	-18	4	36	1	36	57	-18	-18	RG	58	-22	RG	38	59	-26	-26	RG	64	-28	RG
NV	DOUGLAS	TOPAZ LAKE	119.52	38.70	1531	-19	4	36	1	36	56	-19	-19	RG	58	-22	RG	38	58	-27	-27	RG	64	-28	RG
NV	ELKO	TUSCARORA	116.23	41.32	1882	-24	4	32	2	32	52	-24	-24	RG	52	-28	RG	36	56	-32	-32	RG	58	-34	RG
NV	LYON	WELLINGTON R S	119.37	38.75	1476	-21	4	33	2	33	54	-21	-21	RG	58	-22	RG	37	57	-29	-29	RG	58	-34	RG
NV	ELKO	WELLS	114.97	41.12	1723	-29	4	34	1	34	54	-29	-29	RG	58	-34	RG	36	56	-37	-37	RG	58	-40	RG
NV	ELKO	WILKINS	114.75	41.43	1720	-27	8	33	3	33	53	-27	-27	RG	58	-28	RG	39	59	-43	-43	RG	64	-46	RG
NV	HUMBOLDT	WINNEMUCCA WSO AP	117.80	40.90	1312	-23	6	37	2	37	57	-23	-23	RG	58	-28	RG	41	61	-35	-35	RG	64	-40	RG
NV	LYON	YERINGTON	119.02	39.00	1336	-20	5	36	1	36	56	-20	-20	RG	58	-22	RG	38	58	-30	-30	RG	64	-34	RG
UT	DAGGETT	ALLENS RANCH	109.13	40.88	1674	-26	4	35	2	35	55	-26	-26	RG	58	-28	RG	39	59	-34	-34	RG	64	-34	RG
UT	SALT LAKE	ALTA	111.63	40.60	2663	-23	3	24	2	24	45	-23	-23	RG	46	-28	RG	28	48	-29	-29	RG	52	-34	RG
UT	DUCHESNE	ALTAMONT	110.28	40.37	1943	-25	4	31	1	31	51	-25	-25	RG	52	-28	RG	33	53	-33	-33	RG	58	-34	RG
UT	KANE	ALTON	112.48	37.43	2147	-22	3	31	2	31	52	-22	-22	RG	52	-22	RG	35	56	-28	-28	RG	58	-28	RG
UT	SAN JUAN	ANETH PLANT	109.33	37.25	1409	-18	5	38	2	38	59	-18	-18	RG	64	-22	RG	42	63	-28	-28	RG	64	-28	RG
UT	DAVIS	ANTELOPE ISLAND	112.17	40.93	1290	-19	3	37	3	37	57	-19	-19	RG	58	-22	RG	43	63	-25	-25	RG	64	-28	RG
UT	WEBER	BEAR RVR BAY	112.27	41.30	1284	-17	3	34	1	34	54	-17	-17	RG	58	-22	RG	36	56	-23	-23	RG	58	-28	RG
UT	BOXELDER	BEAR RIVER REFUGE	112.27	41.47	1284	-22	5	36	1	36	56	-22	-22	RG	58	-22	RG	38	58	-32	-32	RG	58	-34	RG
UT	SALT LAKE	BINGHAM CANYON	112.15	40.53	1860	-17	4	31	2	31	51	-17	-17	RG	52	-22	RG	35	55	-25	-25	RG	58	-28	RG
UT	UTAH	BIRDSEYE	111.53	39.87	1745	-30	4	33	2	33	53	-30	-30	RG	58	-34	RG	37	57	-38	-38	RG	58	-40	RG
UT	MILLARD	BLACK ROCK	112.95	38.70	1494	-26	4	36	1	36	56	-26	-26	RG	58	-28	RG	38	58	-34	-34	RG	64	-34	RG

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
			LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT	MAX AIR	TEMPERATURES		MIN PVT	MAX AIR	PG	HT
			AVG	STD	AVG	STD	MAX	MIN			MAX	MIN				
UT	SAN JUAN	BLOWING	109.47	37.62	1870		19	4	33	2	33	54	-19	37	58	-28
UT	IRON	BLOWHARD MTN RADAR	112.85	37.58	3260		-24	3	19	1	19	40	-24	21	42	-30
UT	SAN JUAN	BLUFF	109.55	37.28	1318		-18	6	38	1	38	59	-18	40	61	-30
UT	UINTAH	BONANZA	109.18	40.02	1662		-25	4	36	3	36	56	-25	42	62	-33
UT	GARFIELD	BOULDER	111.42	37.92	2044		-19	3	32	1	32	53	-19	34	55	-25
UT	BOXELDER	BRIGHTMAN CITY	112.03	41.48	1324		-19	4	36	2	36	56	-19	40	60	-27
UT	GARFIELD	BRYCE CANYON FAA AP	112.15	37.70	2315		-29	4	29	1	29	50	-29	31	52	-37
UT	GARFIELD	BRYCE CANYON NP HQ	112.17	37.85	2416		-26	4	29	1	29	50	-26	31	52	-34
UT	KANE	BULLFROG BASIN	110.73	37.52	1165		-12	3	40	1	40	61	-12	42	62	-18
UT	UIJAB	CALLAO	113.72	39.90	1321		-22	6	34	1	34	54	-22	36	56	-34
UT	SAN JUAN	CANYONLANDS-THE NECK	109.83	38.45	1809		-16	4	35	1	35	56	-16	37	57	-24
UT	SAN JUAN	CANYONLANDS-THE NEEDLES	109.75	38.15	1537		-21	4	38	1	38	58	-21	40	60	-29
UT	WAYNE	CAPITOL REEF NAT PK	111.27	38.28	1678		-17	3	37	1	37	57	-17	39	59	-23
UT	EVERY	CASTLE DALE	111.02	39.20	1714		-24	5	34	2	34	54	-24	38	58	-34
UT	IRON	CEDAR BREAKS STORAGE	112.83	37.62	3123		-9	4	22	2	22	43	-9	26	47	-17
UT	IRON	CEDAR CITY FAA AP	113.03	37.70	1714		-23	4	35	1	35	56	-23	37	58	-31
UT	IRON	CEDAR CITY STEAM PLANT	113.03	37.67	1830		-19	4	33	1	33	54	-19	35	56	-27
UT	PIUTE	CEDAR POINT	109.08	37.72	2062		-21	3	33	1	33	54	-21	35	56	-27
UT	IRON	CIRCLEVILLE	112.27	38.17	1848		-24	4	34	1	34	55	-24	36	57	-32
UT	CARBON	CLEAR CREEK	111.15	39.65	2532		-28	3	27	1	27	48	-28	29	50	-34
UT	MILLARD	CLEAR LAKE REFUGE	112.62	39.10	1403		-24	4	36	2	36	56	-24	40	60	-32
UT	SUMMIT	COALVILLE	111.40	40.92	1693		-28	4	33	1	33	53	-28	35	55	-36
UT	BOXELDER	COORNE	112.12	41.55	1290		-23	6	36	2	36	56	-23	40	60	-35
UT	SALT LAKE	COTTONWOOD WEIR	111.78	40.62	1513		-17	3	36	1	36	56	-17	38	58	-23
UT	MILLARD	COVE FORT	112.58	38.60	1827		-29	3	34	3	34	55	-29	40	60	-35
UT	WASATCH	DEER CREEK DAM	111.53	40.40	1607		-28	6	33	1	33	53	-28	35	55	-40
UT	MILLARD	DELTA	112.58	39.33	1409		-24	4	37	1	37	57	-24	39	59	-32
UT	MILLARD	DESERET	112.65	39.28	1400		-25	5	37	1	37	57	-25	39	59	-35
UT	MILLARD	DESERET EXP RANGE	113.75	38.60	1601		-25	5	36	1	36	56	-25	38	58	-35
UT	GRAND	DEWEY	109.30	38.80	1257		-22	6	41	2	41	61	-22	45	65	-34
UT	UINTAH	DINOSAUR QUARRY AREA	109.30	40.43	1455		-28	6	37	1	37	57	-28	39	59	-40
UT	DUCHESNE	DUGWAY	110.40	40.17	1681		-29	6	33	1	33	53	-29	35	55	-41
UT	TOOELE	ECHO DAM	112.92	40.18	1324		-21	5	37	3	37	57	-21	43	63	-31
UT	SUMMIT	ELBERTA	111.43	40.97	1668		-29	4	34	1	34	54	-29	36	56	-37
UT	UTAH	ENTERPRISE BERYL JCT	111.95	39.95	1427		-22	4	36	2	36	56	-22	40	60	-30
UT	IRON	EPHRAIM SORENSSENS FIELD	113.65	37.77	1571		-26	5	35	1	35	56	-26	37	58	-36
UT	SANPETE	ESCALANTE	111.58	39.35	1729		-24	4	34	1	34	54	-24	36	56	-32
UT	GARFIELD	ESKDALE	111.60	37.77	1772		-21	4	33	2	33	54	-21	37	58	-29
UT	MILLARD	FAIRFIELD	113.95	39.12	1519		-24	5	36	1	36	56	-24	38	58	-34
UT	UTAH	FARMINGTON USU FLD STN	112.08	40.27	1488		-28	4	34	2	34	54	-28	38	58	-36
UT	DAVIS	FERRIS	111.92	41.02	1324		-19	4	35	2	35	55	-19	39	59	-27
UT	EVERY	FILLMORE	111.13	39.08	1809		-21	3	33	1	33	53	-21	35	55	-27
UT	MILLARD	FISH SPRINGS REFUGE	112.32	38.95	1562		-21	4	36	2	36	56	-21	40	60	-29
UT	UIJAB	FLAMING GORGE	113.40	39.83	1324		-21	4	37	1	37	57	-21	39	59	-29
UT	DAGGETT	FORT DUCHESNE	109.42	40.93	1912		-28	4	32	1	32	52	-28	34	54	-36
UT	UINTAH	GARFIELD	109.87	40.28	1540		-29	5	35	1	35	55	-29	37	57	-39
UT	SALT LAKE	GARLAND 1 NE	112.20	40.72	1321		-16	4	34	2	34	54	-16	38	58	-28
UT	BOXELDER	GARRISON	112.15	41.75	1324		-22	3	34	1	34	54	-22	36	56	-28
UT	MILLARD	GENEVA STEEL 2	114.03	38.93	1610		-23	4	36	1	36	56	-23	38	58	-31
UT	UTAH	GOLD HILL	111.73	40.30	1388		-19	4	36	1	36	56	-19	38	58	-27
UT	TOOELE	GREEN RIVER AVN	113.83	40.17	1623		-18	4	36	1	36	56	-18	38	58	-26
UT	EVERY	GROUSE CREEK	110.17	39.00	1241		-23	5	38	1	38	58	-23	40	60	-33
UT	BOXELDER		113.88	41.70	1616		-24	3	32	3	32	52	-24	38	58	-30

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
						LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				BINDER GRADE		HT	LT
						AVG	STD	AVG	STD	MAX AIR	MIN	PVT	MIN	MAX AIR	MIN	PVT	MIN	RG	HT		
UT	SANPETE	GUNNISON	111.82	39.15	1571	-24	4	36	1	36	56	-24	-24	38	58	-32	-32	RG	64	-34	
UT	WAYNE	HANKSVILLE	110.72	38.37	1315	-24	6	39	2	39	59	-24	-24	43	63	-36	-36	RG	64	-40	
UT	DUCHESNE	HANNA	110.77	40.40	2059	-27	3	31	1	31	51	-27	-27	33	53	-33	-33	RG	58	-34	
UT	CACHE	HARDWARE RANCH	111.57	41.60	1696	-32	4	32	1	32	52	-32	-32	34	54	-40	-40	RG	58	-40	
UT	WASATCH	HEBER	111.42	40.50	1717	-29	5	33	2	33	53	-29	-29	37	57	-39	-39	RG	58	-40	
UT	CARBON	HIAWATHA	111.02	39.48	2220	-20	3	30	2	30	51	-20	-20	34	54	-26	-26	RG	58	-28	
UT	SAN JUAN	HOVENWEEP N M	109.08	37.38	1598	-22	4	37	2	37	58	-22	-22	41	62	-30	-30	RG	64	-34	
UT	TOOBE	IBAPAH	113.98	40.03	1610	-27	6	36	1	36	56	-27	-27	38	58	-39	-39	RG	64	-40	
UT	UINTAH	JENSEN	109.35	40.37	1452	-30	5	36	1	36	56	-30	-30	38	58	-40	-40	RG	58	-40	
UT	SUMMIT	KAMAS	111.28	40.65	1973	-26	6	32	2	32	52	-26	-26	36	56	-38	-38	RG	58	-40	
UT	KANE	KANAB	112.53	37.05	1510	-17	4	37	1	37	58	-17	-17	39	60	-25	-25	RG	64	-28	
UT	MILLARD	KANOSH	112.43	38.80	1528	-20	4	36	1	36	56	-20	-20	34	55	-33	-33	RG	58	-34	
UT	SEVIER	KOOSHAREM	111.88	38.52	2114	-27	3	32	1	32	53	-27	-27	38	58	-28	-28	RG	64	-28	
UT	RICH	LAKETOWN	111.32	41.82	1824	-28	5	31	1	31	51	-28	-28	33	53	-38	-38	RG	58	-40	
UT	SAN JUAN	LA SAL	109.25	38.32	2129	-20	7	30	4	30	51	-20	-20	38	58	-34	-34	RG	64	-34	
UT	JUAB	LEVAN	111.87	39.57	1616	-24	4	35	2	35	55	-24	-24	39	59	-32	-32	RG	64	-34	
UT	CACHE	LEWISTON	111.83	41.97	1366	-28	5	34	2	34	54	-28	-28	38	58	-38	-38	RG	58	-40	
UT	WAYNE	LOA	111.65	38.40	2150	-28	4	31	1	31	52	-28	-28	33	54	-36	-36	RG	58	-40	
UT	CACHE	LOGAN RADIO KNU	111.83	41.75	1372	-27	3	34	1	34	54	-27	-27	36	56	-33	-33	RG	58	-34	
UT	CACHE	LOGAN UT AH ST U	111.80	41.75	1461	-22	4	33	1	33	53	-22	-22	35	55	-30	-30	RG	58	-34	
UT	CACHE	LOGAN USU EXP STN	111.82	41.77	1406	-24	4	34	1	34	54	-24	-24	36	56	-32	-32	RG	58	-34	
UT	CACHE	LOGAN 5 SW EXP FARM	111.90	41.67	1370	-31	6	34	1	34	54	-31	-31	36	56	-43	-43	RG	58	-46	
UT	DAGGETT	MANILA	109.73	41.00	1964	-26	4	32	1	32	52	-26	-26	34	54	-34	-34	RG	58	-34	
UT	SANPETE	MANTI	111.63	39.25	1751	-23	4	33	1	33	53	-23	-23	35	55	-31	-31	RG	58	-34	
UT	SAN JUAN	MEXICAN HAT	109.87	37.15	1257	-16	4	39	1	39	60	-16	-16	41	62	-24	-24	RG	64	-40	
UT	BEAVER	MILFORD WSMO	113.02	38.43	1534	-26	5	36	1	36	57	-26	-26	38	58	-36	-36	RG	64	-40	
UT	IRON	MODEVA	113.92	37.80	1665	-24	4	36	1	36	57	-24	-24	38	58	-32	-32	RG	64	-40	
UT	SAN JUAN	MONTICELLO	109.30	37.87	2080	-22	3	31	1	31	52	-22	-22	33	54	-28	-28	RG	64	-40	
UT	SAN JUAN	MONUMENT VLY MISSION	110.22	37.02	1616	-14	4	36	1	36	57	-14	-14	38	59	-22	-22	RG	64	-40	
UT	DUCHESNE	MOON LAKE	110.50	40.57	2486	-17	9	26	2	26	46	-17	-17	30	50	-35	-35	RG	52	-40	
UT	MORGAN	MORGAN	111.68	41.03	1543	-28	4	34	1	34	54	-28	-28	36	56	-36	-36	RG	58	-40	
UT	SANPETE	MORONI	111.58	39.53	1696	-26	4	34	1	34	54	-26	-26	36	56	-34	-34	RG	58	-34	
UT	DUCHESNE	MYTON	110.07	40.20	1549	-29	6	34	2	34	54	-29	-29	38	58	-41	-41	RG	58	-46	
UT	SAN JUAN	NATURAL BRIDGES N M	109.98	37.62	1982	-18	3	34	2	34	55	-18	-18	38	58	-24	-24	RG	64	-28	
UT	DUCHESNE	NEOLA	110.03	40.42	1806	-26	4	31	1	31	51	-26	-26	33	53	-34	-34	RG	58	-34	
UT	JUAB	NEPHI	111.83	39.70	1565	-22	4	37	1	37	57	-22	-22	39	59	-30	-30	RG	64	-34	
UT	DUCHESNE	NUTTERS RANCH	110.25	39.80	1766	-26	4	33	2	33	53	-26	-26	37	57	-34	-34	RG	58	-34	
UT	MILLARD	OAK CITY	112.33	39.38	1546	-21	4	37	1	37	57	-21	-21	39	59	-29	-29	RG	64	-34	
UT	WEBER	OGDEN PIONEER P H	111.95	41.25	1327	-18	3	36	1	36	56	-18	-18	38	58	-24	-24	RG	58	-28	
UT	WEBER	OGDEN SUGAR FACTORY	112.03	41.23	1305	-21	4	36	1	36	56	-21	-21	38	58	-29	-29	RG	58	-34	
UT	KANE	ORDERVILLE	112.63	37.27	1665	-22	4	36	2	36	57	-22	-22	40	61	-30	-30	RG	64	-46	
UT	UINTAH	OURAY 4 NE	109.65	40.13	1424	-30	6	37	1	37	57	-30	-30	39	59	-42	-42	RG	64	-46	
UT	GARFIELD	PANGUITCH	112.45	37.82	2050	-27	4	32	1	32	53	-27	-27	37	57	-35	-35	RG	58	-40	
UT	BOXELDER	PARK VALLEY	113.33	41.82	1690	-22	4	33	2	33	53	-22	-22	35	55	-30	-30	RG	58	-34	
UT	IRON	PAROWAN POWER PLANT	112.83	37.83	1830	-23	3	33	1	33	53	-23	-23	35	55	-35	-35	RG	58	-34	
UT	JUAB	PARTOUN	113.88	39.63	1458	-24	4	37	3	37	57	-24	-24	35	55	-29	-29	RG	58	-34	
UT	WEBER	PINE VIEW DAM	111.83	41.25	1507	-30	4	33	1	33	53	-30	-30	35	55	-38	-38	RG	58	-40	
UT	PIUTE	PIUTE DAM	112.18	38.32	1800	-23	4	34	1	34	55	-23	-23	36	57	-31	-31	RG	58	-34	
UT	UTAH	PLEASANT GROVE	111.72	40.37	1452	-19	4	35	1	35	55	-19	-19	37	57	-27	-27	RG	58	-28	
UT	CARBON	PRICE GAME FARM	110.83	39.62	1702	-22	4	35	1	35	55	-22	-22	37	57	-30	-30	RG	58	-34	
UT	CARBON	PRICE WAREHOUSES	110.83	39.62	1732	-21	3	34	2	34	54	-21	-21	38	58	-27	-27	RG	64	-28	
UT	UTAH	PROVO RADIO KAYK	111.67	40.22	1363	-22	4	35	1	35	55	-22	-22	37	57	-30	-30	RG	58	-34	
UT	CACHE	RICHMOND	111.82	41.90	1427	-25	4	35	1	35	55	-25	-25	37	57	-33	-33	RG	58	-34	

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
			LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		HT		LT	
			AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	PG	LT
WY LARAMIE		CHEYENNE/WSFO AP	104.82	41.15	1867	-27	4	31	2	51	31	51	-27	-27	RG	52 -28	RG	58 -40
WY PLATTE		CHUGWATER	104.82	41.75	1610	-31	4	34	2	54	34	54	-31	-31	RG	58 -34	RG	58 -40
WY PARK		CLARK 7 NE	109.08	44.98	1229	-31	4	34	1	53	34	53	-31	-31	RG	58 -34	RG	58 -40
WY SHERIDAN		CLEARMONT 5 SW	106.45	44.58	1238	-32	9	34	2	53	34	53	-32	-32	RG	58 -34	RG	58 -52
WY PARK		CODY	109.07	44.55	1522	-31	4	33	2	52	33	52	-31	-31	RG	52 -34	RG	58 -40
WY PARK		CODY 12 SE	108.90	44.40	1601	-32	4	33	1	52	33	52	-32	-32	RG	58 -34	RG	58 -40
WY PARK		CODY 21 SW	109.38	44.33	1781	-31	6	31	2	50	31	50	-31	-31	RG	52 -34	RG	58 -40
WY CROOK		COLONY	104.20	44.93	1089	-30	3	36	2	55	36	55	-30	-30	RG	58 -34	RG	58 -40
WY PARK		CHANDALL CREEK	109.67	44.88	2047	-34	4	31	2	50	31	50	-34	-34	RG	52 -34	RG	58 -46
WY CAMPBELL		DEAD HORSE CREEK	105.90	44.18	1354	-33	5	34	1	53	34	53	-33	-33	RG	58 -34	RG	58 -46
WY BIG HORN		DEAVER	108.60	44.88	1254	-31	4	35	1	54	35	54	-31	-31	RG	58 -34	RG	58 -40
WY CROOK		DEVILS TOWER 2	104.70	44.58	1177	-36	4	35	2	54	35	54	-36	-36	RG	58 -40	RG	58 -46
WY DILLINGER		DILLINGER	105.12	44.12	1315	-33	4	35	1	54	35	54	-33	-33	RG	58 -34	RG	58 -46
WY FREMONT		DIVERSION DAM	108.93	43.23	1702	-32	4	33	2	52	33	52	-32	-32	RG	58 -34	RG	58 -40
WY CARBON		DIXON	107.53	41.03	1940	-34	5	31	2	51	31	51	-34	-34	RG	52 -34	RG	58 -46
WY ALBANY		DOUBLE FOUR RANCH	105.40	42.18	1891	-31	4	31	2	51	31	51	-31	-31	RG	58 -34	RG	58 -40
WY		DOUGLAS	105.38	42.77	1464	-31	4	33	3	53	33	53	-31	-31	RG	58 -34	RG	58 -40
WY CONVERSE		DOUGLAS AVIATION	105.38	42.75	1467	-32	4	34	1	53	34	53	-32	-32	RG	58 -34	RG	58 -40
WY FREMONT		DUBOIS	109.63	42.75	1213	-32	6	29	2	48	29	48	-32	-32	RG	52 -34	RG	58 -46
WY CAMPBELL		ECHETA 2 NW	105.90	44.48	1220	-36	5	36	3	55	36	55	-36	-36	RG	52 -34	RG	58 -46
WY CARBON		ELK MOUNTAIN	106.42	41.68	2217	-29	5	29	1	49	29	49	-29	-29	RG	52 -34	RG	58 -40
WY BIG HORN		ENGLIM	108.40	44.50	1357	-31	4	34	1	53	34	53	-31	-31	RG	58 -34	RG	58 -46
WY UINTA		EVANSTON 1 E	110.95	41.27	2077	-29	6	30	2	50	30	50	-29	-29	RG	52 -34	RG	58 -46
WY SWEETWATER		FARSON	109.43	42.12	2010	-37	4	31	2	51	31	51	-37	-37	RG	52 -40	RG	58 -46
WY LINCOLN		FONTENELLE DAM	110.07	41.98	1976	-37	4	31	3	51	31	51	-37	-37	RG	52 -40	RG	58 -46
WY FREMONT		FORT WASHAKIE 1 SE	108.87	42.98	1693	-32	7	33	2	52	33	52	-32	-32	RG	58 -34	RG	58 -46
WY ALBANY		FOX PARK	106.15	41.08	2766	-34	4	25	2	45	25	45	-34	-34	RG	46 -34	RG	52 -46
WY NATRONA		GAS HILLS 4 E	107.48	42.83	1973	-28	4	30	3	50	30	50	-28	-28	RG	52 -28	RG	58 -40
WY CAMPBELL		GILLETTE 9 ESE	105.32	44.27	1415	-31	4	34	2	53	34	53	-31	-31	RG	58 -34	RG	58 -40
WY CAMPBELL		GILLETTE 18 SW	105.72	44.08	1494	-31	3	33	1	52	33	52	-31	-31	RG	58 -34	RG	58 -40
WY CONVERSE		GLENROCK 5 ESE	105.78	42.83	1510	-29	4	35	1	54	35	54	-29	-29	RG	58 -34	RG	58 -40
WY CONVERSE		GLENROCK 14 SSE	105.82	42.67	1961	-32	3	30	1	50	30	50	-32	-32	RG	52 -34	RG	58 -40
WY HOT SPRINGS		GRASS CREEK	108.65	43.95	1702	-31	6	32	2	52	32	52	-31	-31	RG	52 -34	RG	58 -46
WY SWEETWATER		GREEN RIVER	109.47	41.53	1858	-31	4	33	2	53	33	53	-31	-31	RG	58 -34	RG	58 -40
WY PARK		HEART MOUNTAIN	108.95	44.70	1461	-30	4	33	1	52	33	52	-30	-30	RG	52 -34	RG	58 -40
WY LARAMIE		HORSE CREEK 2 NW	105.23	41.45	1925	-26	4	31	1	51	31	51	-26	-26	RG	52 -28	RG	58 -34
WY CROOK		HULETT	104.60	44.68	1147	-32	5	34	1	53	34	53	-32	-32	RG	58 -34	RG	58 -46
WY TETON		JACKSON	110.77	43.48	1900	-36	4	31	1	50	31	50	-36	-36	RG	52 -40	RG	58 -46
WY JOHNSON		KAYCEE	106.63	43.72	1421	-34	4	34	1	53	34	53	-34	-34	RG	58 -34	RG	58 -46
WY NIOBRARA		KEELINE 3 W	104.78	42.77	1610	-29	4	34	1	53	34	53	-29	-29	RG	58 -34	RG	58 -40
WY LINCOLN		KEMMERER	110.67	41.72	2123	-31	4	29	2	49	29	49	-31	-31	RG	52 -34	RG	58 -40
WY SUBLETTE		LA BARGE	110.20	42.27	2013	-34	8	30	2	50	30	50	-34	-34	RG	52 -34	RG	58 -52
WY GOSHEN		LA GRANGE	104.17	41.63	1400	-29	4	35	2	55	35	55	-29	-29	RG	58 -34	RG	58 -40
WY PARK		LAKE YELLOWSTONE	110.40	44.55	2370	-39	3	25	1	44	25	44	-39	-39	RG	46 -40	RG	52 -46
WY		LAMAR RANGER STN	110.23	44.90	1973	-38	6	29	1	48	29	48	-38	-38	RG	52 -40	RG	52 -52
WY NIOBRARA		LANCE CREEK 3 WNW	104.70	43.05	1324	-30	4	34	3	53	34	53	-30	-30	RG	58 -34	RG	58 -40
WY FREMONT		LANDER WSO AP	108.73	42.82	1638	-29	4	33	1	52	33	52	-29	-29	RG	58 -34	RG	58 -40
WY		LARAMIE	105.58	41.32	2196	-29	4	28	1	48	28	48	-29	-29	RG	52 -34	RG	52 -40
WY ALBANY		LARAMIE FAA AP	105.68	41.32	2217	-32	5	29	1	49	29	49	-32	-32	RG	52 -34	RG	52 -46
WY ALBANY		LARAMIE 2 NW	105.60	41.33	2178	-31	8	29	2	49	29	49	-31	-31	RG	52 -34	RG	58 -52
WY SHERIDAN		LAWVER 10 SW	105.38	43.77	1494	-29	3	34	1	54	34	54	-29	-29	RG	58 -34	RG	58 -40
WY FREMONT		LEITER 9 N	106.28	44.85	1281	-31	4	35	2	54	35	54	-31	-31	RG	58 -34	RG	58 -40
WY FREMONT		LOST CABIN	107.63	43.28	1653	-34	4	33	3	52	33	52	-34	-34	RG	58 -34	RG	64 -46

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used in SUPERPAVE Software

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY			BINDER GRADE			98% RELIABILITY			BINDER GRADE		
						TEMP			TEMPERATURES			PG			TEMPERATURES			PG		
						LOW	STD	HIGH	MAX	AIR	MIN	HT	LT	PVT	MAX	AIR	MIN	HT	LT	PVT
WY	BIGHORN	LOVELL	108.40	44.83	1171	-30	5	35	35	54	-30	PG	58	-34	39	58	-40	PG	58	-40
WY	NIOBRARA	LUSK	104.47	42.77	1531	-28	5	33	33	53	-28	PG	58	-28	37	56	-38	PG	58	-40
WY	SUBLETTE	MEFNA	110.37	42.95	2348	-32	3	26	1	26	46	PG	46	-34	28	48	-38	PG	52	-40
WY	NATRONA	MIDWEST	106.28	43.40	1470	-31	4	36	1	36	55	PG	58	-34	38	57	-39	PG	58	-40
WY	CROOK	MOORCROFT	104.95	44.27	1284	-31	6	34	2	34	53	PG	58	-34	38	57	-43	PG	58	-46
WY	TETON	MOORE	110.72	43.67	1973	-35	4	29	1	29	48	PG	52	-40	31	50	-43	PG	52	-46
WY		MORRIS	104.33	43.52	1250	-27	4	36	2	36	55	PG	58	-28	40	59	-35	PG	64	-40
WY	UINTA	MOUNTAIN VIEW	110.35	41.27	2074	-28	4	29	1	29	49	PG	52	-28	31	51	-36	PG	52	-40
WY	CARBON	MUDDY GAP	107.47	42.37	1906	-29	4	32	2	32	52	PG	52	-34	36	55	-37	PG	58	-40
WY	WESTON	NEWCASTLE	104.22	43.85	1345	-29	4	34	2	34	53	PG	58	-34	38	57	-37	PG	58	-40
WY	NATRONA	PATHFINDER DAM	106.85	42.47	1809	-29	5	33	1	33	53	PG	58	-34	35	55	-39	PG	58	-40
WY	FREMONT	PAVILLION	108.68	43.25	1659	-31	5	32	1	32	51	PG	52	-34	34	53	-41	PG	58	-46
WY	GOSHEN	PINE BLUFFS	104.07	41.18	1549	-27	4	34	2	34	54	PG	58	-28	38	58	-36	PG	58	-40
WY	LARAMIE	PINEDALE	109.87	42.87	2190	-35	4	29	1	29	49	PG	52	-40	31	51	-43	PG	52	-46
WY	SUBLETTE	POWDER RIVER 2 SW	107.00	43.02	1818	-31	5	34	2	34	53	PG	58	-34	38	57	-41	PG	58	-46
WY	NATRONA	POWELL	108.77	44.75	1336	-29	4	34	2	34	53	PG	52	-34	33	53	-37	PG	58	-40
WY	CARBON	RAWLINS FAA AP	107.20	41.80	2056	-31	4	31	1	31	51	PG	52	-34	33	53	-39	PG	58	-40
WY	CAMPBELL	RECLUSE 14 NNW	105.80	44.93	1144	-37	4	36	2	36	55	PG	58	-40	40	59	-45	PG	64	-46
WY	NIOBRARA	REDBIRD	104.28	43.25	1186	-34	4	36	2	36	55	PG	58	-34	40	59	-42	PG	64	-46
WY	CAMPBELL	RENO	105.52	43.68	1549	-28	4	33	2	33	52	PG	58	-28	37	56	-36	PG	58	-40
WY	FREMONT	RIVERTON	108.38	43.02	1510	-34	6	34	1	34	53	PG	58	-34	36	55	-46	PG	58	-46
WY		ROCK SPRINGS	109.22	41.58	1943	-28	4	32	3	32	52	PG	52	-28	38	58	-36	PG	58	-40
WY	SWEETWATER	ROCK SPRINGS FAA AP	109.07	41.60	2056	-27	4	31	2	31	51	PG	52	-28	35	55	-35	PG	58	-40
WY	LINCOLN	SAGE 4 NNW	111.00	41.87	1894	-37	4	31	2	31	51	PG	52	-40	35	55	-45	PG	58	-46
WY		SAND DRAW	108.18	42.77	1818	-27	4	33	1	33	53	PG	58	-28	35	54	-35	PG	58	-40
WY	CARBON	SARATOGA	106.82	41.45	2071	-31	5	31	2	31	51	PG	52	-34	35	55	-41	PG	58	-46
WY	CARBON	SEMINOE DAM	106.88	42.13	2086	-28	4	31	1	31	51	PG	52	-28	33	53	-36	PG	58	-40
WY	CARBON	SHERIDAN WSO AP	106.97	44.77	1202	-31	4	34	2	34	53	PG	52	-34	38	57	-39	PG	58	-40
WY	SHERIDAN	SHERIDAN FIELD STN	106.83	44.83	1144	-33	4	35	2	35	54	PG	58	-34	39	58	-41	PG	58	-46
WY	PARK	SNAKE RIVER	110.67	44.13	2098	-37	3	29	1	29	48	PG	52	-40	31	50	-43	PG	52	-46
WY		SOUTH PASS CITY	109.80	42.47	2391	-34	5	27	1	27	47	PG	52	-34	29	49	-44	PG	52	-46
WY		SPENCER 10 NE	104.17	43.43	1159	-33	4	36	3	36	55	PG	52	-34	42	61	-41	PG	64	-46
WY		SUNDANCE	104.35	44.40	1449	-31	4	32	2	32	51	PG	52	-34	36	55	-39	PG	58	-40
WY	CROOK	SUNSHINE 2 ENE	108.98	44.05	1964	-33	4	29	1	29	48	PG	52	-34	31	50	-41	PG	58	-40
WY	PARK	SYBILLE RESEARCH UNIT	105.38	41.77	1860	-27	3	32	1	32	52	PG	52	-28	34	54	-33	PG	58	-40
WY	ALBANY	TEN SLEEP 4 NE	107.42	44.07	1464	-28	4	34	1	34	53	PG	58	-40	40	59	-45	PG	64	-46
WY	WASHAKIE	TENSLEEP 16 SSE	107.37	43.82	1427	-37	4	34	3	34	53	PG	58	-34	38	57	-40	PG	58	-40
WY	WASHAKIE	THERMOPOLIS 2	108.22	43.65	1342	-32	4	36	1	36	55	PG	58	-34	33	52	-41	PG	58	-46
WY	HOT SPRINGS	THERMOPOLIS 25 WNW	108.68	43.72	1738	-31	5	31	1	31	50	PG	52	-34	33	52	-41	PG	58	-46
WY	HOT SPRINGS	TORRINGTON EXP FARM	104.22	42.08	1250	-31	4	35	2	35	55	PG	58	-34	39	58	-39	PG	64	-40
WY	GOSHEN	TOWER FALLS	110.42	44.92	1912	-37	4	29	2	29	48	PG	52	-40	33	52	-45	PG	52	-46
WY	PARK	UPTON	104.62	44.10	1299	-33	4	34	2	34	53	PG	58	-34	38	57	-41	PG	58	-46
WY	WESTON	WANSUTTER 1 N	107.98	41.68	2074	-31	5	31	1	31	51	PG	52	-34	33	53	-41	PG	58	-46
WY	SWEETWATER	WESTON 1 E	105.32	44.63	1077	-34	4	35	1	35	54	PG	58	-34	37	56	-42	PG	58	-46
WY	CAMPBELL	WHALEN DAM	104.63	42.25	1308	-30	4	36	2	36	56	PG	58	-34	40	59	-38	PG	64	-40
WY	GOSHEN	WHEATLAND 4 N	104.95	42.12	1415	-29	6	35	2	35	55	PG	58	-34	39	58	-41	PG	64	-46
WY	PLATTE	WORLD	107.97	44.02	1238	-34	6	36	2	36	55	PG	58	-34	40	59	-46	PG	64	-46
WY	WASHAKIE	WORLD 4 SW	107.97	43.97	1272	-33	5	36	2	36	55	PG	58	-34	40	59	-43	PG	64	-46
WY	WASHAKIE	WORLD 4 SW	110.70	44.97	1891	-31	4	30	2	30	49	PG	52	-34	34	53	-39	PG	58	-40
WY	PARK	YELLOWSTONE PARK	104.35	41.87	1318	-31	4	36	1	36	56	PG	58	-34	38	58	-39	PG	58	-40
WY	GOSHEN	YODER 4 SW																		

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

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ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN AIR		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
AL	MARSHALL	ALBERTVILLE 2 SE	86.17	34.23	348	-13	4	33	2	33	55	-13	-13	37	58	-21	-21	PG	64 -22
AL	TALLAPOOSA	ALEXANDER CITY	85.93	32.95	195	-13	4	35	2	35	57	-13	-13	39	61	-21	-21	PG	64 -22
AL	TALLAPOOSA	ALEXANDER CITY 6 NE	85.87	32.98	201	-13	3	35	2	35	57	-13	-13	39	60	-19	-19	PG	64 -22
AL	PICKENS	ALICEVILLE	88.17	33.13	43	-11	6	36	2	36	58	-11	-11	40	61	-23	-23	PG	64 -28
AL	COVINGTON	ANDALUSIA 1 NW	86.50	31.32	76	-9	3	36	1	36	58	-9	-9	38	60	-15	-15	PG	64 -16
AL	CALHOUN	ANNISTON FAA AP	85.85	33.58	186	-12	3	35	2	35	57	-12	-12	39	60	-18	-18	PG	64 -22
AL	CLAY	ASHLAND 3 ENE	85.80	33.28	302	-14	3	34	2	34	56	-14	-14	38	59	-20	-20	PG	64 -22
AL	LIMESTONE	ATHENS 2	86.98	34.80	220	-15	5	35	2	35	56	-15	-15	39	60	-25	-25	PG	64 -28
AL	ESCAMBIA	ATMORE STATE NURSERY	87.48	31.17	92	-8	4	36	2	36	58	-8	-8	40	62	-16	-16	PG	64 -16
AL	TUSCALOOSA	AUBURN 3 SW	85.52	32.57	223	-11	3	36	2	36	58	-11	-11	40	62	-17	-17	PG	64 -22
AL	BALDWIN	BANKHEAD LOCK AND DAM	87.35	33.45	85	-13	3	36	2	36	58	-13	-13	40	61	-19	-19	PG	64 -22
AL	MONROE	BAY MINETTE 3 NNW	87.78	30.92	85	-8	3	35	1	35	57	-8	-8	37	59	-14	-14	PG	64 -16
AL	JEFFERSON	BEATRICE	87.20	31.73	55	-7	7	35	2	35	57	-7	-7	39	61	-21	-21	PG	64 -22
AL	CRENSHAW	BIRMINGHAM FAA AP	86.75	33.57	192	-12	3	36	2	36	58	-12	-12	40	61	-18	-18	PG	64 -22
AL	JACKSON	BRANTLEY	86.27	31.58	82	-11	2	36	1	36	58	-11	-11	38	60	-15	-15	PG	64 -16
AL	SHELBY	BRIDGEPORT 5 NW	85.82	34.98	204	-16	5	34	2	34	55	-16	-16	38	59	-26	-26	PG	64 -28
AL	WILCOX	CALERA 2 SW	86.78	33.08	165	-13	3	35	2	35	57	-13	-13	39	60	-19	-19	PG	64 -22
AL	CHEROKEE	CAMDEN 3 NW	87.32	32.03	73	-12	3	36	1	36	58	-12	-12	38	60	-18	-18	PG	64 -22
AL	BIBB	CAMP HILL 2 NW	84.65	32.83	207	-13	3	34	2	34	56	-13	-13	38	60	-19	-19	PG	64 -22
AL	WASHINGTON	CENTRE 4 SW	85.73	34.12	189	-13	3	35	2	35	56	-13	-13	39	60	-19	-19	PG	64 -22
AL	TALLADEGA	CENTREVILLE	87.13	32.95	67	-12	3	36	2	36	58	-12	-12	40	61	-18	-18	PG	64 -22
AL	CHILTON	CHATOM 4 N	88.25	31.53	88	-11	3	36	2	36	58	-11	-11	40	62	-17	-17	PG	64 -22
AL	BARBOUR	CHILDERSBURG WTR PLANT	86.33	33.28	128	-13	3	36	2	36	58	-13	-13	40	61	-19	-19	PG	64 -22
AL	MOBILE	CLANTON	86.63	32.85	177	-11	4	36	2	36	58	-11	-11	40	61	-18	-18	PG	64 -22
AL	MORGAN	CLAYTON	85.47	31.88	183	-10	4	34	2	34	56	-10	-10	38	60	-15	-15	PG	64 -16
AL	MARENGO	COOEN	88.23	30.38	3	-9	3	34	1	34	56	-9	-9	36	58	-16	-16	PG	64 -16
AL	MARENGO	DAYTON 1 N	87.65	32.37	70	-10	3	36	2	36	58	-10	-10	40	62	-16	-16	PG	64 -22
AL	MARENGO	DECATUR	86.97	34.58	177	-12	4	36	2	36	57	-12	-12	40	61	-20	-20	PG	64 -22
AL	HOUSTON	DEMOPOLIS LOCK AND DAM	87.83	32.52	30	-11	3	36	2	36	58	-11	-11	40	62	-17	-17	PG	64 -22
AL	WINSTON	DO THAN FAA AP	85.45	31.32	113	-7	3	36	1	36	58	-7	-7	38	60	-13	-13	PG	64 -16
AL	COFFEE	DOUBLE SPRINGS	87.42	34.15	247	-16	4	34	2	34	55	-16	-16	38	59	-24	-24	PG	64 -28
AL	BARBOUR	ENTERPRISE	85.90	31.38	143	-9	3	35	1	35	57	-9	-9	37	59	-15	-15	PG	64 -16
AL	BARBOUR	EUFALA	85.15	31.87	61	-9	3	37	2	37	59	-9	-9	41	63	-15	-15	PG	64 -16
AL	BARBOUR	EUFALA WILDLIFE REFUGE	85.08	32.00	67	-11	2	36	2	36	58	-11	-11	40	62	-15	-15	PG	64 -16
AL	BARBOUR	EVERGREEN	86.93	31.45	88	-9	6	36	2	36	58	-9	-9	40	62	-15	-15	PG	64 -16
AL	BALDWIN	FAIRHOPE 2 NE	87.88	30.55	6	-7	3	34	1	34	56	-7	-7	36	58	-13	-13	PG	64 -16
AL	MORGAN	FALKVILLE 1 E	86.88	34.37	192	-15	4	35	2	35	56	-15	-15	39	60	-23	-23	PG	64 -28
AL	FAYETTE	FAYETTE	87.82	33.68	113	-12	3	36	3	36	57	-12	-12	42	63	-18	-18	PG	64 -22
AL	LAUDERDALE	FLORENCE	87.68	34.80	177	-14	4	36	2	36	57	-14	-14	40	61	-22	-22	PG	64 -22
AL	BALDWIN	FORT MORGAN	88.02	30.23	3	-3	4	33	1	33	55	-3	-3	35	57	-11	-11	PG	58 -16
AL	MONROE	FRISCO CITY 3 SSW	87.42	31.38	85	-9	3	36	2	36	58	-9	-9	40	62	-15	-15	PG	64 -16
AL	ETOWAH	GADSDEN	86.00	34.02	174	-11	4	37	2	37	58	-11	-11	41	62	-19	-19	PG	64 -22
AL	ETOWAH	GADSDEN STEAM PLANT	86.00	34.03	174	-13	4	35	2	35	56	-13	-13	39	60	-21	-21	PG	64 -22
AL	GREENE	GAINESVILLE LOCK	88.13	32.83	40	-12	3	35	2	35	57	-12	-12	39	61	-18	-18	PG	64 -22
AL	GENEVA	GENEVA	85.83	31.03	34	-8	3	36	2	36	58	-8	-8	40	62	-14	-14	PG	64 -16
AL	CHOCTAW	GILBERTOWN	88.33	31.88	40	-11	3	35	2	35	57	-11	-11	39	61	-17	-17	PG	64 -22
AL	HALE	GREENSBORO	87.58	32.70	67	-11	4	36	2	36	58	-11	-11	40	61	-19	-19	PG	64 -22
AL	BUTLER	GREENVILLE	86.65	31.85	143	-9	6	36	2	36	58	-9	-9	40	62	-21	-21	PG	64 -22
AL	MARSHALL	GUNTERSVILLE	86.32	34.33	177	-13	4	35	2	35	56	-13	-13	39	60	-21	-21	PG	64 -22
AL	MARION	HAMILTON 3 S	87.98	34.10	134	-17	4	36	2	36	57	-17	-17	40	61	-25	-25	PG	64 -28
AL	LOWNDES	HAYNEVILLE	86.58	32.18	52	-11	3	35	2	35	57	-11	-11	39	61	-17	-17	PG	64 -22
AL	HENRY	HEADLAND	85.33	31.35	113	-9	3	36	1	36	58	-9	-9	38	60	-15	-15	PG	64 -16
AL	CLEBURNE	HEFLIN	85.60	33.65	259	-14	3	35	2	35	57	-14	-14	39	60	-20	-20	PG	64 -22

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		
			LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT	MAX AIR	TEMPERATURES		MIN PVT	MAX AIR	HT	LT	
			AVG	STD	AVG	STD	MAX	PVT			MAX	PVT					
AL	CRENSHAW	HIGHLAND HOME	86.32	31.95	180	-11	4	36	2	36	58	-11	-11	PG	58-16	PG	64-22
AL	MADISON	HUNTSVILLE WSO AP	86.77	34.65	189	-15	4	35	2	35	56	-15	-15	PG	58-16	PG	64-28
AL	WALKER	JASPER 4 N	87.27	33.90	162	-14	4	35	2	35	56	-14	-14	PG	58-16	PG	64-22
AL	SUMTER	LIVINGSTON 2 SW	88.20	32.58	49	-12	3	36	2	36	58	-12	-12	PG	58-16	PG	64-22
AL	DALLAS	MARION JUNCTION 2 NE	87.22	32.47	61	-12	3	36	2	36	58	-12	-12	PG	58-16	PG	64-22
AL	ELMORE	MARTIN DAM	85.92	32.67	104	-10	3	35	1	35	57	-10	-10	PG	58-16	PG	64-16
AL	DALLAS	MINTER 3 NW	87.03	32.10	113	-11	3	34	2	34	56	-11	-11	PG	58-16	PG	64-22
AL	MOBILE	MOBILE WSO AP	88.25	30.68	64	-7	3	35	1	35	57	-7	-7	PG	58-10	PG	64-16
AL	MOBILE	MOBILE	88.03	30.68	64	-7	3	35	1	35	57	-7	-7	PG	58-10	PG	64-16
AL	MONTGOMERY	MONTGOMERY WSO AP	86.40	32.30	67	-9	3	36	1	36	58	-9	-9	PG	58-10	PG	64-16
AL	MONTGOMERY	MONTGOMERY CITY	86.30	32.38	55	-7	3	36	1	36	58	-7	-7	PG	58-10	PG	64-16
AL	LAWRENCE	MOULTON 2	87.30	34.48	198	-15	4	35	2	35	56	-15	-15	PG	58-16	PG	64-28
AL	COLBERT	MUSCLE SHOALS FAA AP	87.62	34.75	165	-13	4	36	2	36	57	-13	-13	PG	58-16	PG	64-22
AL	BLOUNT	ONEONTA	86.48	33.95	265	-14	4	35	2	35	56	-14	-14	PG	58-16	PG	64-22
AL	LEE	OPELIKA	85.38	32.63	232	-13	3	35	2	35	57	-13	-13	PG	58-16	PG	64-22
AL	DALE	OZARK 6 NNW	85.68	31.53	143	-9	3	36	2	36	58	-9	-9	PG	58-10	PG	64-16
AL	AUTAUGA	PRATTVILLE	86.48	32.48	92	-9	5	36	2	36	58	-9	-9	PG	58-10	PG	64-22
AL	CHOCTAW	PUSHMATAHA	88.35	32.20	79	-10	3	36	2	36	58	-10	-10	PG	58-10	PG	64-16
AL	FRANKLIN	RED BAY	88.13	34.43	207	-14	4	35	1	35	56	-14	-14	PG	58-16	PG	64-22
AL	MADISON	REDSTONE ARSENAL	86.60	34.58	174	-14	4	34	1	34	55	-14	-14	PG	58-16	PG	64-22
AL	COOSA	ROCKFORD 3 ESE	86.17	32.88	183	-14	3	34	2	34	56	-14	-14	PG	58-16	PG	64-28
AL	RANDOLPH	ROCK MILLS	85.30	33.15	229	-12	3	36	2	36	58	-12	-12	PG	58-16	PG	64-22
AL	DE KALB	SAND MT SUBSTATION AU	85.97	34.28	366	-15	4	34	2	34	55	-15	-15	PG	58-16	PG	64-22
AL	JACKSON	SCOTTSBORO	86.05	34.68	189	-13	4	36	2	36	57	-13	-13	PG	58-16	PG	64-22
AL	DALLAS	SELMA	87.00	32.42	46	-9	3	36	2	36	58	-9	-9	PG	58-10	PG	64-16
AL	TALLADEGA	SYLACAUGA 4 NE	86.20	33.20	150	-13	6	34	1	34	56	-13	-13	PG	58-16	PG	58-28
AL	TALLADEGA	TALLADEGA	86.08	33.43	171	-13	3	35	2	35	57	-13	-13	PG	58-16	PG	64-22
AL	CLARKE	THOMASVILLE	87.73	31.92	125	-10	3	36	2	36	58	-10	-10	PG	58-10	PG	64-16
AL	CHILTON	THORSBY EXP STATION	86.70	32.88	207	-12	4	34	2	34	56	-12	-12	PG	58-16	PG	64-22
AL	PIKE	TROY	85.95	31.78	152	-9	3	36	2	36	58	-9	-9	PG	58-10	PG	64-16
AL	TUSCALOOSA	TUSCALOOSA FAA AP	87.62	33.23	52	-11	3	36	2	36	58	-11	-11	PG	58-16	PG	64-22
AL	TUSCALOOSA	TUSCALOOSA OLIVER DAM	87.58	33.22	46	-12	4	35	2	35	57	-12	-12	PG	58-16	PG	64-22
AL	BULLOCK	UNION SPRINGS 4 S	85.72	32.10	140	-10	3	36	2	36	58	-10	-10	PG	58-10	PG	64-16
AL	DE KALB	VALLEY HEAD	85.62	34.57	317	-16	4	34	2	34	55	-16	-16	PG	58-16	PG	64-28
AL	LAMAR	VERNON 2 N	88.12	33.80	82	-15	3	36	2	36	57	-15	-15	PG	58-16	PG	64-22
AL	CLARKE	WHATLEY	87.72	31.65	52	-12	3	36	1	36	58	-12	-12	PG	58-16	PG	64-22
AL	LAWRENCE	ALICIA	91.08	35.90	79	-16	4	37	2	37	58	-16	-16	PG	64-16	PG	64-22
AR	SALINE	ALUM FORD	92.87	34.80	238	-13	3	37	2	37	58	-13	-13	PG	64-16	PG	64-22
AR	CLARK	ARKADELPHIA 2 N	93.05	34.15	61	-12	3	37	2	37	58	-12	-12	PG	58-16	PG	64-22
AR	ARKANSAS	ARKANSAS POST	91.35	34.02	58	-13	4	36	2	36	57	-13	-13	PG	58-16	PG	64-28
AR	INDEPENDENCE	BATESVILLE LIVESTOCK	91.78	35.82	174	-17	4	37	2	37	58	-17	-17	PG	64-22	PG	64-28
AR	INDEPENDENCE	BATESVILLE L AND D 1	91.63	35.75	85	-17	4	37	2	37	58	-17	-17	PG	64-22	PG	64-28
AR	JACKSON	BEEDEVILLE	91.10	35.43	67	-15	4	37	2	37	58	-15	-15	PG	64-16	PG	64-28
AR	BENTON	BENTONVILLE	94.22	36.35	396	-19	4	35	2	35	56	-19	-19	PG	58-22	PG	64-28
AR	GARLAND	BLAKELY MOUNTAIN DAM	93.20	34.57	131	-13	3	37	2	37	58	-13	-13	PG	64-16	PG	64-22
AR	YELL	BLUE MOUNTAIN DAM	93.65	35.10	131	-14	3	37	2	37	58	-14	-14	PG	64-16	PG	64-22
AR	MONROE	BRINKLEY	91.18	34.88	61	-13	3	36	2	36	57	-13	-13	PG	58-16	PG	64-22
AR	PULASKI	CABOT 4 SW	92.08	34.95	85	-14	4	36	2	36	57	-14	-14	PG	58-16	PG	64-28
AR	IZARD	CALICO ROCK 2 WSW	92.17	36.12	107	-18	4	38	2	38	59	-18	-18	PG	64-22	PG	64-28
AR	OUACHITA	CAMDEN 1	92.82	33.60	37	-12	4	37	2	37	58	-12	-12	PG	64-16	PG	64-22
AR	MONROE	CLARENDON	91.32	34.68	55	-12	4	36	1	36	57	-12	-12	PG	58-16	PG	64-22
AR	JOHNSON	CLARKSVILLE	93.45	35.48	137	-16	4	37	2	37	58	-16	-16	PG	64-16	PG	64-28
AR	FAULKNER	CONWAY	92.45	35.10	101	-14	4	38	2	38	59	-14	-14	PG	64-16	PG	64-22

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW	STD	AVG	STD	TEMPERATURES				TEMPERATURES				PG	HT
										MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT		
AR YELL		DARDANELLE	93.17	35.23	113	-14	4	37	2	37	58	-14	-14	41	62	-22	-22	PG	64
AR CHICOT		DERMOTT 3 NE	91.38	33.55	43	-12	4	37	2	37	58	-12	-12	41	62	-20	-20	PG	64
AR PRAIRIE		DES ARC	91.50	34.97	61	-12	5	36	2	36	57	-12	-12	40	61	-22	-22	PG	64
AR JOHNSON		DEVILS KNOB	93.40	35.72	717	-18	3	33	3	33	54	-18	-18	39	60	-24	-24	PG	64
AR DESHA		DUMAS	91.48	33.88	49	-12	4	37	2	37	58	-12	-12	41	62	-20	-20	PG	64
AR UNION		EL DORADO FAA AP	92.80	33.22	76	-11	4	37	2	37	59	-11	-11	41	62	-19	-19	PG	64
AR CHICOT		EUDORA	91.27	33.12	43	-11	3	36	1	36	58	-11	-11	38	60	-17	-17	PG	64
AR CARROLL		EUREKA SPRINGS 3 WNW	93.78	36.42	433	-18	3	36	2	36	57	-18	-18	40	61	-24	-24	PG	64
AR SHARP		EVENING SHADE 1 NNE	91.62	36.08	152	-18	4	37	2	37	58	-18	-18	41	62	-26	-26	PG	64
AR WASHINGTON		FAYETTEVILLE FAA AP	94.17	36.00	381	-18	4	35	2	35	56	-18	-18	39	60	-26	-26	PG	64
AR WASHINGTON		FAYETTEVILLE EXP STN	94.17	36.10	387	-19	6	36	2	36	57	-19	-19	40	61	-31	-31	PG	64
AR DALLAS		FORDYCE	92.40	33.82	70	-12	4	37	2	37	58	-12	-12	41	62	-20	-20	PG	64
AR SEBASTIAN		FORT SMITH WSO AP	94.37	35.33	137	-14	4	37	2	37	58	-14	-14	41	62	-22	-22	PG	64
AR CRAWFORD		FORT SMITH WATER PLANT	94.15	35.65	241	-17	3	37	2	37	58	-17	-17	41	62	-23	-23	PG	64
AR SEARCY		GILBERT	92.72	35.98	189	-19	4	37	2	37	58	-19	-19	41	62	-27	-27	PG	64
AR		GRANNIS	94.33	34.25	281	-14	4	37	3	37	58	-14	-14	43	64	-22	-22	PG	70
AR BENTON		GRAVETTE	94.45	36.43	384	-21	4	36	2	36	57	-21	-21	40	61	-29	-29	PG	64
AR FAULKNER		GREENBRIER	92.37	35.23	101	-16	4	37	2	37	58	-16	-16	41	62	-24	-24	PG	64
AR CLEBURNE		GREERS FERRY DAM	92.00	35.23	162	-16	3	36	2	36	57	-16	-16	40	61	-22	-22	PG	64
AR BOONE		HARRISON	93.12	36.23	357	-17	4	37	2	37	58	-17	-17	41	62	-25	-25	PG	64
AR BOONE		HARRISON FAA AP	93.15	36.27	418	-18	3	34	2	34	55	-18	-18	38	59	-24	-24	PG	64
AR POPE		HECTOR 2 SSW	93.00	35.43	195	-16	4	37	2	37	58	-16	-16	41	62	-24	-24	PG	64
AR PHILLIPS		HELENA	90.58	34.53	61	-13	4	36	2	36	57	-13	-13	40	61	-21	-21	PG	64
AR HEMPSTEAD		HOPE 3 NE	93.55	33.72	116	-11	4	37	2	37	58	-11	-11	41	62	-19	-19	PG	64
AR GARLAND		HOT SPRINGS 1 NNE	93.05	34.52	207	-13	3	37	2	37	58	-13	-13	41	62	-19	-19	PG	64
AR CRAIGHEAD		JONESBORO 4 N	90.70	35.88	119	-14	5	37	2	37	58	-14	-14	41	62	-24	-24	PG	64
AR MISSISSIPPI		KEISER	90.08	35.68	70	-16	4	36	2	36	57	-16	-16	40	61	-24	-24	PG	64
AR LONGKE		KEO	92.00	34.60	70	-13	4	36	2	36	57	-13	-13	40	61	-21	-21	PG	64
AR BOONE		LEAD HILL	92.92	36.42	220	-18	4	37	2	37	58	-18	-18	41	62	-26	-26	PG	64
AR GRANT		LEOLA	92.58	34.17	79	-14	4	36	2	36	57	-14	-14	40	61	-22	-22	PG	64
AR PULASKI		LITTLE ROCK FAA AP	92.23	34.73	79	-12	4	36	2	36	57	-12	-12	40	61	-20	-20	PG	64
AR COLUMBIA		MAGNOLIA	93.23	33.30	98	-12	3	37	2	37	59	-12	-12	41	62	-18	-18	PG	64
AR HOT SPRING		MALVERN	92.82	34.38	95	-13	4	37	2	37	58	-13	-13	41	62	-21	-21	PG	64
AR LEE		MARIANNA 2 S	90.77	34.73	70	-13	4	36	2	36	57	-13	-13	40	61	-21	-21	PG	64
AR POINSETT		MARKED TREE	90.42	35.53	70	-14	4	36	2	36	57	-14	-14	40	61	-22	-22	PG	64
AR SEARCY		MARSHALL	92.65	35.90	293	-16	4	36	2	36	57	-16	-16	40	61	-24	-24	PG	64
AR POLK		MEVA	94.27	34.57	345	-14	3	36	2	36	57	-14	-14	40	61	-20	-20	PG	64
AR DREW		MONTICELLO 3 SW	91.80	33.60	88	-13	4	36	2	36	58	-13	-13	40	61	-21	-21	PG	64
AR CALHOUN		MOROBAY LOCK 8	92.45	33.32	28	-11	6	36	2	36	58	-11	-11	40	61	-23	-23	PG	64
AR BAXTER		MOUNTAIN HOME 1 NNW	92.38	36.33	244	-17	5	36	3	36	57	-17	-17	42	63	-27	-27	PG	64
AR BAXTER		MOUNTAIN HOME C OF ENG	92.38	36.33	244	-17	3	36	2	36	57	-17	-17	40	61	-23	-23	PG	64
AR STONE		MOUNTAIN VIEW	92.12	35.87	235	-18	3	36	2	36	57	-18	-18	40	61	-24	-24	PG	64
AR PIKE		MURFREESBORO 2 NNW	93.70	34.08	146	-13	3	36	2	36	57	-13	-13	40	61	-22	-22	PG	64
AR PIKE		NARROWS DAM	93.72	34.15	134	-14	4	37	2	37	58	-14	-14	41	62	-22	-22	PG	64
AR HOWARD		NASHVILLE EXP STN	93.93	34.00	168	-13	4	36	2	36	57	-13	-13	40	61	-21	-21	PG	64
AR PERRY		NIMROD DAM	93.17	34.95	146	-15	3	37	3	37	58	-15	-15	43	64	-21	-21	PG	64
AR HOWARD		OKAY	93.92	33.77	92	-12	4	37	2	37	58	-12	-12	41	62	-20	-20	PG	64
AR JEFFERSON		PARIS	93.72	35.30	125	-13	4	37	2	37	58	-13	-13	41	62	-21	-21	PG	64
AR		PINE BLUFF	92.02	34.22	67	-11	4	37	2	37	58	-11	-11	41	62	-19	-19	PG	64
AR RANDOLPH		PINE BLUFF FAA AP	91.93	34.17	64	-11	4	37	2	37	58	-11	-11	41	62	-19	-19	PG	64
AR ASHLEY		POCAHONTAS 1	90.98	36.27	101	-17	4	36	2	36	57	-17	-17	40	61	-25	-25	PG	64
AR PORTLAND		PORTLAND	91.50	33.23	37	-11	4	37	2	37	59	-11	-11	41	62	-19	-19	PG	64
AR NEVADA		PRESCOTT	93.38	33.80	95	-12	3	37	2	37	58	-12	-12	41	62	-18	-18	PG	64

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		BINDER GRADE		BINDER GRADE	
						AVG	STD	AVG	STD	MAX AIR	MIN PVT	MAX AIR	MIN PVT	MAX AIR	MIN PVT	MAX AIR	MIN PVT	PG	HT	PG	HT
AR	BENTON	ROGERS	94.10	36.37	415	-18	3	35	2	35	-18	56	-12	39	-24	39	60	PG	58	PG	64
AR	DESHA	ROHMER2NNE	91.27	33.80	46	-12	4	36	2	36	-12	57	-12	40	-20	40	61	PG	58	PG	64
AR	POPE	RUSSELLVILLE	93.10	35.28	122	-14	4	37	2	37	-14	58	-14	41	-22	41	62	PG	64	PG	64
AR	ARKANSAS	SAINT CHARLES	91.13	34.38	61	-13	4	36	2	36	-13	57	-13	40	-21	40	61	PG	58	PG	64
AR	WHITE	SEARCY	91.75	35.25	76	-14	4	37	2	37	-14	58	-14	41	-22	41	62	PG	64	PG	64
AR	GRANT	SHERIDAN TOWER	92.35	34.45	88	-13	4	37	2	37	-13	58	-13	41	-21	41	62	PG	64	PG	64
AR	BENTON	SILIAM SPRINGS	94.53	36.17	348	-18	4	36	2	36	-18	57	-18	40	-26	40	61	PG	58	PG	64
AR	LAFAYETTE	STAMPS	93.48	33.37	82	-12	3	37	2	37	-12	58	-12	41	-18	41	62	PG	64	PG	64
AR	LINCOLN	STAR CITY	91.83	33.93	76	-12	3	36	2	36	-12	57	-12	40	-20	40	61	PG	64	PG	64
AR	ARKANSAS	STUTTGART	91.53	34.48	64	-12	4	37	2	37	-12	58	-12	41	-20	41	62	PG	64	PG	64
AR	ARKANSAS	STUTTGART 9 ESE	91.42	34.47	61	-12	4	36	2	36	-12	57	-12	40	-20	40	61	PG	64	PG	64
AR	LOGAN	SUBIACO	93.65	35.30	152	-14	3	37	2	37	-14	58	-14	41	-20	41	62	PG	64	PG	64
AR	MILLER	TEXARKANA FAA AP	94.00	33.45	110	-11	4	37	2	37	-11	58	-11	41	-19	41	62	PG	64	PG	64
AR	SCOTT	WALDRON	94.10	34.90	207	-17	4	38	2	38	-17	59	-17	42	-25	42	63	PG	64	PG	64
AR	BRADLEY	WARREN2 WSW	92.10	33.60	64	-12	3	36	3	36	-12	58	-12	42	-18	42	63	PG	64	PG	64
AR	CRITTENDEN	WEST MEMPHIS	90.18	35.12	67	-14	4	36	1	36	-14	57	-14	38	-22	38	59	PG	64	PG	64
AR	FRANKLIN	WHITE ROCK	93.95	35.68	698	-18	3	33	3	33	-18	54	-18	39	-24	39	60	PG	64	PG	64
AR	CROSS	WYNN	90.80	35.25	79	-14	4	36	2	36	-14	57	-14	40	-22	40	61	PG	64	PG	64
AR	MARION	YELLVILLE	92.68	36.22	232	-20	4	37	2	37	-20	58	-20	41	-28	41	62	PG	64	PG	64
IA	MONROE	ALBIA 3 NNE	92.78	41.07	268	-26	3	34	2	34	-26	54	-26	38	-32	38	58	PG	58	PG	58
IA	KOSSUTH	ALGONA 3 W	94.30	43.07	375	-29	3	33	2	33	-29	52	-29	37	-35	37	56	PG	58	PG	58
IA	BUTLER	ALLISON	92.78	42.75	320	-28	3	33	2	33	-28	53	-28	38	-34	38	57	PG	58	PG	58
IA	BOONE	AMES 8 WSW	93.80	42.03	336	-28	3	33	2	33	-28	53	-28	37	-34	37	57	PG	58	PG	58
IA	STORY	AMES 3 SW	93.65	42.00	305	-28	4	34	2	34	-28	54	-28	38	-36	38	58	PG	58	PG	58
IA	JONES	ANAMOSA 1 WNW	91.30	42.12	247	-29	3	33	2	33	-29	53	-29	37	-35	37	57	PG	58	PG	58
IA	POLK	ANKENY 3 S	93.60	41.68	287	-28	3	33	2	33	-28	53	-28	38	-34	38	58	PG	58	PG	58
IA	CASS	ATLANTIC 1 NE	95.00	41.42	366	-29	4	34	2	34	-29	54	-29	38	-37	38	58	PG	58	PG	58
IA	AUDUBON	AUDUBON	94.93	41.72	363	-28	3	34	2	34	-28	54	-28	38	-34	38	58	PG	58	PG	58
IA	RINGGOLD	BEACONSFIELD 1 N	94.05	40.82	372	-27	3	33	2	33	-27	53	-27	37	-33	37	57	PG	58	PG	58
IA	TAYLOR	BEDFORD	94.73	40.67	351	-27	4	34	2	34	-27	54	-27	38	-35	38	58	PG	58	PG	58
IA	BENTON	BELLE PLAINE	92.27	41.90	247	-28	3	33	2	33	-28	53	-28	37	-34	37	57	PG	58	PG	58
IA	JACKSON	BELLEVUE L AND D 12	90.42	42.27	183	-28	3	33	2	33	-28	53	-28	38	-34	38	58	PG	58	PG	58
IA	DAVIS	BLOOMFIELD 1 WNW	92.43	40.75	247	-27	3	34	2	34	-27	54	-27	38	-33	38	58	PG	58	PG	58
IA	BOONE	BOONE	93.88	42.05	317	-28	3	34	2	34	-28	54	-28	38	-35	38	58	PG	58	PG	58
IA	HANCOCK	BRITT	93.80	43.08	369	-29	3	33	2	33	-29	53	-29	37	-34	37	57	PG	58	PG	58
IA	DES MOINES	BURLINGTON RADIO KBUR	91.17	40.82	214	-26	3	33	2	33	-26	53	-26	38	-32	38	58	PG	58	PG	58
IA	CARROLL	CARROLL	94.85	42.07	378	-29	3	34	2	34	-29	54	-29	38	-35	38	58	PG	58	PG	58
IA	DUBUQUE	CASCADE	91.02	42.30	259	-29	3	33	2	33	-29	53	-29	37	-32	37	57	PG	58	PG	58
IA	MONONA	CASTANA EXP FARM	95.82	42.07	433	-28	2	33	2	33	-28	53	-28	38	-32	38	58	PG	58	PG	58
IA	LINN	CEDAR RAPIDS FAA AP	91.70	41.88	262	-27	3	33	2	33	-27	53	-27	37	-33	37	57	PG	58	PG	58
IA	APPANOOSE	CEDAR RAPIDS 1	91.58	42.03	250	-27	3	34	2	34	-27	54	-27	38	-33	38	58	PG	58	PG	58
IA	LINN	CENTERVILLE	92.87	40.73	299	-26	3	34	2	34	-26	54	-26	38	-32	38	58	PG	58	PG	58
IA	LUCAS	CHARITON 1 E	93.28	41.00	287	-28	3	34	2	34	-28	54	-28	38	-34	38	58	PG	58	PG	58
IA	FLOYD	CHARLES CITY	92.67	43.05	308	-29	3	33	2	33	-29	52	-29	37	-35	37	56	PG	58	PG	58
IA	CHEFKEE	CHEFKEE	95.53	42.75	360	-31	3	33	2	33	-31	53	-31	37	-37	37	56	PG	58	PG	58
IA	PAGE	CLARINDA	95.03	40.73	314	-27	4	35	2	35	-27	55	-27	39	-35	39	59	PG	64	PG	64
IA	WRIGHT	CLARION	93.73	42.73	360	-30	3	33	2	33	-30	53	-30	37	-36	37	56	PG	58	PG	58
IA	CLINTON	CLINTON 1	90.27	41.80	180	-27	3	33	2	33	-27	53	-27	37	-33	37	57	PG	58	PG	58
IA	STORY	COLO	93.33	42.02	305	-28	3	33	2	33	-28	53	-28	38	-33	38	58	PG	58	PG	58
IA	LOUISA	COLUMBUS JUNCTION 2 SSW	91.37	41.25	204	-27	3	34	2	34	-27	54	-27	38	-33	38	58	PG	58	PG	58
IA	ADAMS	CORNING	94.75	41.00	372	-27	4	34	2	34	-27	54	-27	38	-35	38	58	PG	58	PG	58
IA	WAYNE	CORYDON2NE	93.30	40.77	329	-26	3	33	2	33	-26	53	-26	37	-32	37	57	PG	58	PG	58
IA	HOWARD	CRESO 1 NE	92.10	43.38	384	-31	3	31	2	31	-31	50	-31	35	-37	35	54	PG	52	PG	58

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		
						LOW	TEMP	HIGH	TEMP	MAX	TEMPERATURES			MAX	TEMPERATURES			PG	HT	LT
											MIN	AIR	PVT		MIN	AIR	PVT			
IA	UNION	CRESTON 2 SW	94.40	41.03	403	-27	3	34	2	34	54	-27	-27	34	58	-28	-33	PG	58	-34
IA		DAVENPORT L AND D 15	90.57	41.52	174	-23	4	33	2	33	53	-23	-23	33	57	-31	-31	PG	58	-34
IA	WINNESHIEK	DECORAH	91.80	43.30	262	-32	4	32	2	32	51	-32	-32	32	55	-40	-40	PG	58	-40
IA	DELAWARE	DELAWARE 3 WSW	91.42	42.47	299	-29	3	33	2	33	53	-29	-29	33	56	-35	-35	PG	58	-40
IA	POLK	DES MOINES WSO AP	93.65	41.53	293	-26	3	34	2	34	54	-26	-26	34	58	-32	-32	PG	58	-34
IA		DES MOINES SE 14TH ST	93.60	41.57	232	-25	2	34	2	34	54	-25	-25	34	58	-29	-29	PG	58	-34
IA	DUBUQUE	DUBUQUE L AND D 11	90.65	42.53	189	-28	3	32	2	32	52	-28	-28	32	55	-34	-34	PG	58	-34
IA	DUBUQUE	DUBUQUE WSO AP	90.70	42.40	326	-28	3	32	2	32	52	-28	-28	32	56	-34	-34	PG	58	-34
IA	HARDIN	ELDORA	93.10	42.35	332	-28	3	33	2	33	53	-28	-28	33	56	-34	-34	PG	58	-34
IA	CLAYTON	ELKADER 5 SSW	91.42	42.82	247	-32	4	33	2	33	52	-32	-32	33	56	-40	-40	PG	58	-40
IA	PALO ALTO	EMMETSBURG	94.68	43.10	378	-29	2	33	2	33	52	-29	-29	33	56	-33	-33	PG	58	-34
IA	EMMET	ESTHERVILLE 2 N	94.83	43.42	396	-29	3	33	2	33	52	-29	-29	33	56	-35	-35	PG	58	-40
IA	JEFFERSON	FAIRFIELD	91.95	41.03	226	-26	3	34	2	34	54	-26	-26	34	58	-32	-32	PG	58	-34
IA	FAYETTE	FAYETTE	91.80	42.83	308	-31	3	33	2	33	52	-31	-31	33	56	-37	-37	PG	58	-40
IA	WINNEBAGO	FOREST CITY 2 NNE	93.63	43.28	396	-29	5	32	2	32	51	-29	-29	32	55	-33	-33	PG	58	-40
IA	LEE	FORT MADISON	91.33	40.62	162	-25	4	34	2	34	54	-25	-25	34	58	-33	-33	PG	58	-34
IA	MILLS	GLENWOOD 3 SW	95.77	41.00	302	-27	3	35	2	35	55	-27	-27	35	59	-33	-33	PG	58	-34
IA	ADAIR	GREENFIELD	94.47	41.30	409	-27	3	34	2	34	54	-27	-27	34	58	-33	-33	PG	58	-34
IA	POWESHIEK	GRINNELL 3 SW	92.73	41.72	278	-28	3	33	2	33	53	-28	-28	33	59	-34	-34	PG	58	-34
IA	GRUNDY	GRUNDY CENTER	92.78	42.37	311	-28	3	32	2	32	52	-28	-28	32	56	-34	-34	PG	58	-34
IA	GUTHRIE	GUTHRIE CENTER	94.52	41.68	360	-27	4	34	3	34	54	-27	-27	34	60	-35	-35	PG	58	-40
IA	FRANKLIN	HAMPTON 2 NW	93.20	42.75	372	-28	6	33	2	33	53	-28	-28	33	58	-34	-34	PG	58	-40
IA	SHELBY	HARLAN	95.32	41.65	354	-28	3	34	2	34	54	-28	-28	34	58	-34	-34	PG	58	-40
IA	SIoux	HAWARDEN	96.48	43.00	363	-31	2	34	2	34	53	-31	-31	34	57	-35	-35	PG	58	-40
IA	HUMBOLDT	HUMBOLDT 2	94.20	42.68	320	-29	3	33	1	33	53	-29	-29	33	56	-36	-36	PG	58	-40
IA	IDA	IDA GROVE	95.48	42.35	375	-30	3	33	2	32	52	-30	-30	32	55	-35	-35	PG	58	-40
IA	BUCHANAN	INDEPENDENCE 2 SW	91.92	42.45	268	-29	3	32	2	32	52	-29	-29	32	55	-35	-35	PG	58	-40
IA	WARREN	INDIANOLA	92.55	41.37	287	-27	3	34	2	34	54	-27	-27	34	58	-33	-33	PG	58	-34
IA	LYON	INWOOD 2 SW	96.47	43.30	445	-31	3	33	2	33	52	-31	-31	33	56	-37	-37	PG	58	-40
IA	JOHNSON	IOWA CITY	91.53	41.65	195	-25	6	34	2	34	54	-25	-25	34	58	-37	-37	PG	58	-40
IA	HARDIN	IOWA FALLS	93.27	42.53	345	-29	3	33	2	33	53	-29	-29	33	56	-35	-35	PG	58	-40
IA	GREENE	JEFFERSON	94.38	42.02	320	-28	3	34	2	34	54	-28	-28	34	58	-34	-34	PG	58	-34
IA	LEE	KEOKUK LOCK AND DAM 19	91.37	40.40	162	-23	4	34	2	34	54	-23	-23	34	58	-31	-31	PG	58	-34
IA	VAN BUREN	KEOSAUQUA	91.97	40.73	192	-26	4	35	2	35	55	-26	-26	35	59	-34	-34	PG	58	-34
IA	MARION	KNOXVILLE	93.13	41.32	281	-26	3	34	2	34	54	-26	-26	34	58	-32	-32	PG	58	-34
IA	CAHOUN	LAKE CITY	94.73	42.27	378	-28	2	33	2	33	53	-28	-28	33	56	-32	-32	PG	58	-34
IA	DICKINSON	LAKE PARK	95.32	43.45	448	-30	2	33	2	33	52	-30	-30	33	56	-34	-34	PG	58	-34
IA	DECATUR	LAMONI	93.95	40.62	345	-25	3	34	2	34	54	-25	-25	34	58	-31	-31	PG	58	-34
IA	SCOTT	LE CLAIRE L AND D 14	90.42	41.58	177	-25	3	33	2	33	53	-25	-25	33	57	-31	-31	PG	58	-34
IA	PLYMOUTH	LE MARS	96.17	42.80	366	-30	3	34	2	34	53	-30	-30	34	57	-36	-36	PG	58	-40
IA	HARRISON	LEON 5 ESE	93.65	40.73	302	-27	3	34	2	34	54	-27	-27	34	58	-33	-33	PG	58	-34
IA	WOODBURY	LOGAN	95.80	41.63	320	-28	3	35	2	35	55	-28	-28	35	59	-34	-34	PG	58	-34
IA	JACKSON	MAPLETON NO 2	95.78	42.17	366	-30	2	33	2	33	53	-30	-30	33	57	-36	-36	PG	58	-40
IA	MARSHALL	MAQUOKETA 2 W	90.70	42.07	207	-28	4	33	2	33	53	-28	-28	33	57	-34	-34	PG	58	-40
IA	CERRO GORDO	MARSHALLTOWN	92.93	42.07	265	-28	4	34	2	34	54	-28	-28	34	58	-36	-36	PG	58	-40
IA	CERRO GORDO	MASON CITY	93.20	43.15	345	-30	3	33	2	33	52	-30	-30	33	56	-36	-36	PG	58	-40
IA	CERRO GORDO	MASON CITY FAA AP	93.33	43.17	363	-29	3	32	2	32	51	-29	-29	32	55	-35	-35	PG	58	-40
IA	DICKINSON	MILFORD 4 NW	95.18	43.38	427	-31	2	33	2	33	52	-31	-31	33	56	-34	-34	PG	58	-40
IA		MILLERTON	93.30	40.83	326	-26	4	34	3	34	54	-26	-26	34	60	-34	-34	PG	58	-40
IA	RINGGOLD	MOUNT AVE 4 SW	94.30	40.68	378	-26	4	34	3	34	54	-26	-26	34	60	-34	-34	PG	58	-40
IA	HENRY	MOUNT PLEASANT 1 SSW	91.55	40.95	223	-26	3	34	2	34	54	-26	-26	34	58	-32	-32	PG	58	-34
IA	MUSCATINE	MUSCATINE	91.07	41.40	168	-26	3	34	2	34	54	-26	-26	34	58	-32	-32	PG	58	-34
IA	MUSCATINE	NEW HAMPTON	92.32	43.05	354	-30	3	32	2	32	51	-30	-30	32	55	-36	-36	PG	58	-40

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
IA	JASPER	NEWTON	93.05	41.70	150	-26	6	34	2	34	54	-26	-26	38	58	-38	-38	PG	58 -40
IA	WORTH	NORTHWOOD	93.22	43.45	369	-30	3	32	2	32	51	-30	-30	36	55	-36	-36	PG	58 -40
IA	PAGE	NORWICH EXP FARM	95.20	40.75	345	-26	2	33	2	33	53	-26	-26	37	57	-30	-30	PG	58 -34
IA	POTTAWATTAMI	OAKLAND	95.38	41.32	354	-29	3	33	2	33	53	-29	-29	37	57	-35	-35	PG	58 -40
IA	FAYETTE	OELWEIN 2 S	91.92	42.65	308	-30	3	32	3	32	52	-30	-30	38	57	-36	-36	PG	58 -40
IA	MONONA	ONAWA	96.10	42.02	323	-28	4	34	2	34	54	-28	-28	38	58	-36	-36	PG	58 -40
IA	MITCHELL	OSAGE	92.80	43.28	357	-30	3	32	2	32	51	-30	-30	36	55	-36	-36	PG	58 -40
IA	CLARKE	OSCEOLA 3 WSW	93.82	41.02	339	-26	3	34	2	34	54	-26	-26	38	58	-32	-32	PG	58 -34
IA	MAHASKA	OSKALOOSA	92.65	41.32	253	-27	3	34	2	34	54	-27	-27	38	58	-33	-33	PG	58 -34
IA	WAPELLO	OTTUMWA FAA AP	92.45	41.10	256	-26	3	34	2	34	54	-26	-26	38	58	-32	-32	PG	58 -34
IA	BOONE	PERRY 3 N	94.10	41.88	296	-29	3	33	2	33	53	-29	-29	37	57	-35	-35	PG	58 -40
IA	POCAHONTAS	POCAHONTAS	94.67	42.70	381	-28	3	33	2	33	53	-28	-28	37	56	-34	-34	PG	58 -34
IA	O'BRIEN	PRIMHAR	95.63	43.08	464	-30	3	34	2	34	54	-30	-30	38	57	-36	-36	PG	58 -40
IA	APPANOOSE	RATHBUN DAM	92.90	40.82	296	-27	4	34	2	34	54	-27	-27	38	58	-35	-35	PG	58 -40
IA	MONTGOMERY	RED OAK	95.23	41.00	317	-27	3	35	2	35	55	-27	-27	39	59	-33	-33	PG	58 -40
IA	LYON	ROCK RAPIDS	96.17	43.43	412	-31	3	34	2	34	53	-31	-31	38	57	-37	-37	PG	58 -40
IA	CALHOUN	ROCKWELL CITY	94.62	42.40	369	-28	3	34	2	34	54	-28	-28	38	57	-34	-34	PG	58 -34
IA	SAC	SAC CITY	95.00	42.43	366	-28	3	34	2	34	54	-28	-28	38	57	-34	-34	PG	58 -34
IA	O'BRIEN	SANBORN	95.67	43.18	473	-30	3	33	2	33	52	-30	-30	37	56	-36	-36	PG	58 -40
IA	PAGE	SHENANDOAH 1 NE	95.35	40.78	296	-27	3	35	2	35	55	-27	-27	39	59	-33	-33	PG	58 -40
IA	OSCEOLA	SIBLEY 5 NNE	95.72	43.45	509	-32	3	33	2	33	52	-32	-32	37	56	-38	-38	PG	58 -40
IA	FREMONT	SIDNEY	95.65	40.75	345	-26	3	35	2	35	55	-26	-26	39	59	-32	-32	PG	58 -34
IA	KEOKUK	SIGOURNEY	92.20	41.33	244	-26	3	34	2	34	54	-26	-26	38	58	-32	-32	PG	58 -34
IA	SIoux	SIoux CENTER 2 SE	96.15	43.05	415	-30	3	34	2	34	53	-30	-30	38	57	-36	-36	PG	58 -40
IA	WOODBURY	SIoux CITY WSO AP	96.38	42.40	336	-28	2	34	2	34	54	-28	-28	38	57	-32	-32	PG	58 -34
IA	BUENA VISTA	SIoux RAPIDS 4 E	95.07	42.88	394	-30	2	33	2	33	52	-30	-30	37	56	-34	-34	PG	58 -34
IA	CLAY	SPENCER 1 N	95.15	43.17	406	-30	3	34	2	34	53	-30	-30	38	57	-36	-36	PG	58 -40
IA	BUENA VISTA	STORM LAKE 2 E	95.18	42.63	436	-29	3	33	2	33	53	-29	-29	37	56	-35	-35	PG	58 -40
IA	KOSSUTH	SWEA CITY 3 E	94.25	43.38	366	-28	6	33	2	33	52	-28	-28	37	56	-40	-40	PG	58 -40
IA	CEDAR	TIPTON	91.12	41.78	235	-27	3	34	2	34	54	-27	-27	38	58	-33	-33	PG	58 -34
IA	TAMA	TOLEDO	92.58	41.98	272	-28	3	33	2	33	53	-28	-28	37	57	-34	-34	PG	58 -34
IA	BRMER	TRIPOLI	92.25	42.82	287	-30	3	32	2	32	52	-30	-30	36	55	-36	-36	PG	58 -40
IA	BENTON	VINTON	92.00	42.17	259	-28	3	34	2	34	54	-28	-28	38	57	-34	-34	PG	58 -34
IA	WASHINGTON	WASHINGTON	91.68	41.28	232	-26	3	34	2	34	54	-26	-26	38	58	-32	-32	PG	58 -34
IA	BLACK HAWK	WATERLOO	92.33	42.52	256	-29	3	34	2	34	54	-29	-29	38	57	-35	-35	PG	58 -40
IA	ALLAMAKEE	WALKON	92.40	42.55	265	-29	3	33	2	33	53	-29	-29	37	56	-35	-35	PG	58 -40
IA	HAMILTON	WEBSTER CITY	91.48	43.27	378	-30	3	31	2	31	50	-30	-30	35	54	-36	-36	PG	58 -40
IA	IOWA	WILLIAMSBURG	93.80	42.47	357	-29	4	34	2	34	54	-29	-29	38	57	-37	-37	PG	58 -40
IA	MADISON	WINTERSBURG 2 NNW	92.02	41.67	247	-28	3	33	2	33	53	-28	-28	37	57	-34	-34	PG	58 -34
IA	BOONE	WOODWARD 7 N	94.03	41.37	326	-28	5	34	2	34	54	-28	-28	38	58	-38	-38	PG	58 -40
IL	EDWARDS	ALBION	93.92	41.95	323	-28	3	33	2	33	53	-28	-28	37	57	-34	-34	PG	58 -34
IL	MERCER	ALEDO	88.05	38.38	162	-20	4	35	2	35	56	-20	-20	39	59	-28	-28	PG	64 -28
IL	MADISON	ALTON DAM 26	90.73	41.23	220	-26	3	34	2	34	54	-26	-26	38	58	-32	-32	PG	64 -28
IL	UNION	ANNA 1 E	90.18	38.88	131	-20	3	35	2	35	55	-20	-20	39	60	-27	-27	PG	64 -28
IL	LAKE	ANTIOCH	89.23	37.47	198	-19	4	35	2	35	56	-19	-19	39	60	-27	-27	PG	58 -34
IL	KANE	AURORA	88.12	42.48	229	-26	4	33	2	33	53	-26	-26	36	55	-34	-34	PG	58 -34
IL	LAKE	BARRINGTON	88.35	41.75	195	-26	4	32	2	32	52	-26	-26	36	56	-34	-34	PG	58 -34
IL	ST CLAIR	BELLEVILLE SIU RSCH CTR	88.15	42.17	244	-26	4	32	2	32	52	-26	-26	36	56	-34	-34	PG	58 -34
IL	MCLEAN	BLOOMINGTON NORMAL	89.85	38.50	137	-21	4	35	2	35	56	-21	-21	39	59	-29	-29	PG	64 -34
IL	MASSAC	BROOKPORT DAM 52	89.00	40.52	241	-23	3	35	2	35	55	-23	-23	37	58	-28	-28	PG	58 -28
IL	ST CLAIR	CAHOKIA	88.65	37.13	101	-20	4	35	1	35	56	-20	-20	38	58	-30	-30	PG	64 -34
IL	ALEXANDER	CAIRO WSO CI	90.20	38.57	122	-20	5	34	2	34	55	-20	-20	38	58	-30	-30	PG	64 -34
IL			89.17	37.00	95	-16	4	35	2	35	56	-16	-16	39	60	-24	-24	PG	64 -28

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY						98% RELIABILITY						BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES						TEMPERATURES						BINDER GRADE	
						AVG	STD	AVG	STD	MAX AIR	MIN	PVT	MIN	AIR	PVT	MAX AIR	MIN	PVT	MIN	AIR	PVT	HT	LT
IL	MACOUPIN	CARLINVILLE	89.87	39.28	192	-23	4	36	2	36	-23	-23	56	-22	-22	36	-23	-23	56	-22	-22	RG	58-28
IL	CLINTON	CARLYLE RESERVOIR	89.33	38.63	152	-22	3	34	2	34	-22	-22	55	-22	-22	34	-22	-22	55	-22	-22	RG	58-28
IL	COLES	CHARLESTON	88.17	38.48	207	-23	4	34	2	34	-23	-23	54	-23	-23	34	-23	-23	54	-23	-23	RG	58-28
IL	MCLEAN	CHENOA	88.73	40.73	217	-25	3	33	2	33	-25	-25	53	-25	-25	33	-25	-25	53	-25	-25	RG	58-34
IL	COOK	CHICAGO O HARE WSO AP	87.90	41.98	204	-26	3	32	1	32	-26	-26	52	-26	-26	32	-26	-26	52	-26	-26	RG	58-34
IL	COOK	CHICAGO UNIVERSITY	87.60	41.78	180	-22	4	32	2	32	-22	-22	52	-22	-22	32	-22	-22	52	-22	-22	RG	58-34
IL	COOK	CHICAGO MIDWAY AP 3 SW	87.77	41.73	189	-23	3	32	2	32	-23	-23	52	-23	-23	32	-23	-23	52	-23	-23	RG	58-34
IL	UNION	COBDEN 2 S	89.25	37.50	189	-19	3	34	2	34	-19	-19	55	-19	-19	34	-19	-19	55	-19	-19	RG	58-34
IL	VERMILION	DANVILLE	87.65	40.13	171	-24	4	34	2	34	-24	-24	54	-24	-24	34	-24	-24	54	-24	-24	RG	58-34
IL	MACON	DECATUR	89.02	39.83	189	-23	4	35	2	35	-23	-23	55	-23	-23	35	-23	-23	55	-23	-23	RG	58-34
IL	DE KALB	DE KALB	88.77	41.95	256	-26	4	32	1	32	-26	-26	52	-26	-26	32	-26	-26	52	-26	-26	RG	58-34
IL	LEE	DIXON 1 NW	89.48	41.85	214	-26	4	34	2	34	-26	-26	54	-26	-26	34	-26	-26	54	-26	-26	RG	58-34
IL	POPE	DIXON SPRINGS AGR CNTR	88.67	37.43	165	-21	5	34	1	34	-21	-21	55	-21	-21	34	-21	-21	55	-21	-21	RG	58-34
IL	PERRY	DUQUOIN 4 SE	89.25	38.00	128	-20	4	36	2	36	-20	-20	57	-20	-20	36	-20	-20	57	-20	-20	RG	58-34
IL	ST CLAIR	EAST ST LOUIS PARKS COL	90.18	38.57	125	-18	3	35	3	35	-18	-18	56	-18	-18	35	-18	-18	56	-18	-18	RG	58-34
IL	EFFRINGHAM	EFFRINGHAM	88.53	39.13	183	-22	4	36	2	36	-22	-22	57	-22	-22	36	-22	-22	57	-22	-22	RG	58-34
IL	WAYNE	FAIRFIELD RADIO WFIW	88.32	38.38	131	-21	4	36	2	36	-21	-21	57	-21	-21	36	-21	-21	57	-21	-21	RG	58-34
IL	DE WITT	FARMER CITY 2 W	88.65	40.25	223	-26	3	33	2	33	-26	-26	53	-26	-26	33	-26	-26	53	-26	-26	RG	58-34
IL	CLAY	FLORA 5 NW	88.57	38.68	152	-21	4	35	2	35	-21	-21	55	-21	-21	35	-21	-21	55	-21	-21	RG	58-34
IL	STEPHENSON	FREEDPORT	89.62	42.30	238	-28	4	33	2	33	-28	-28	53	-28	-28	33	-28	-28	53	-28	-28	RG	58-34
IL	WHITESIDE	FULTON DAM 13	90.15	41.90	180	-26	4	32	2	32	-26	-26	52	-26	-26	32	-26	-26	52	-26	-26	RG	58-34
IL	KNOX	GALESBURG	90.38	40.95	235	-25	4	33	2	33	-25	-25	53	-25	-25	33	-25	-25	53	-25	-25	RG	58-34
IL	HENRY	GALVA	90.05	41.17	262	-26	3	34	2	34	-26	-26	54	-26	-26	34	-26	-26	54	-26	-26	RG	58-34
IL	HENRY	GENESEO	90.17	41.45	195	-26	3	33	2	33	-26	-26	53	-26	-26	33	-26	-26	53	-26	-26	RG	58-34
IL	ADAMS	GOLDEN	91.03	40.12	223	-26	3	34	2	34	-26	-26	54	-26	-26	34	-26	-26	54	-26	-26	RG	58-34
IL	BOND	GREENVILLE 1 E	89.40	38.88	177	-21	4	36	3	36	-21	-21	56	-21	-21	36	-21	-21	56	-21	-21	RG	58-34
IL	PIKE	GRIGGSVILLE	90.73	39.72	214	-23	3	35	2	35	-23	-23	55	-23	-23	35	-23	-23	55	-23	-23	RG	58-34
IL	SALINE	HARRISBURG	88.55	37.75	116	-19	4	37	2	37	-19	-19	58	-19	-19	37	-19	-19	58	-19	-19	RG	58-34
IL	MASON	HAVANA	90.05	40.30	134	-23	4	36	2	36	-23	-23	56	-23	-23	36	-23	-23	56	-23	-23	RG	58-34
IL	MASON	HAVANA 4 NNE	90.02	40.35	140	-26	4	35	2	35	-26	-26	55	-26	-26	35	-26	-26	55	-26	-26	RG	58-34
IL	PUTNAM	HENNEPIN POWER PLANT	89.32	41.30	140	-27	3	33	2	33	-27	-27	53	-27	-27	33	-27	-27	53	-27	-27	RG	58-34
IL	MONTGOMERY	HILLSBORO	89.48	39.15	192	-22	4	35	2	35	-22	-22	55	-22	-22	35	-22	-22	55	-22	-22	RG	58-34
IL	VERMILION	HOPESTON 1 NE	87.67	40.47	217	-24	3	34	2	34	-24	-24	54	-24	-24	34	-24	-24	54	-24	-24	RG	58-34
IL	MORGAN	JACKSONVILLE 2 E	90.20	39.73	186	-24	4	35	2	35	-24	-24	55	-24	-24	35	-24	-24	55	-24	-24	RG	58-34
IL	JERSEY	JERSEYVILLE 2 SW	90.35	39.10	192	-23	4	34	2	34	-23	-23	54	-23	-23	34	-23	-23	54	-23	-23	RG	58-34
IL	KANKAKEE	KANKAKEE 3 SW	87.92	41.08	192	-24	4	34	2	34	-24	-24	54	-24	-24	34	-24	-24	54	-24	-24	RG	58-34
IL	HENRY	KEWANEE 1 E	89.90	41.25	238	-24	4	33	2	33	-24	-24	53	-24	-24	33	-24	-24	53	-24	-24	RG	58-34
IL	HANCOCK	LACON 2 E	89.37	41.02	183	-24	6	34	2	34	-24	-24	54	-24	-24	34	-24	-24	54	-24	-24	RG	58-34
IL	MAHAR	LA HARPE	90.97	40.58	214	-25	4	34	2	34	-25	-25	54	-25	-25	34	-25	-25	54	-25	-25	RG	58-34
IL	JACKSON	MAKANDA 1 NW	89.23	37.63	207	-18	3	34	2	34	-18	-18	55	-18	-18	34	-18	-18	55	-18	-18	RG	58-34
IL	MOHAWK	MARENGO	88.60	42.25	250	-27	4	33	2	33	-27	-27	53	-27	-27	33	-27	-27	53	-27	-27	RG	58-34
IL	WILLIAMSON	MARION 4 NNE	88.90	37.77	146	-21	5	34	2	34	-21	-21	55	-21	-21	34	-21	-21	55	-21	-21	RG	58-34
IL	MAISON	MASON CITY 1 NW	89.72	40.22	180	-25	4	34	2	34	-25	-25	54	-25	-25	34	-25	-25	54	-25	-25	RG	58-34
IL	COLES	MATTOON	88.33	39.47	220	-22	3	34	2	34	-22	-22	54	-22	-22	34	-22	-22	54	-22	-22	RG	58-34
IL	HAMILTON	MC LEANSBORO 2 ENE	88.50	38.10	146	-20	4	36	2	36	-20	-20	57	-20	-20	36	-20	-20	57	-20	-20	RG	58-34
IL	ROCK ISLAND	MOLINE WSO AP	90.50	41.45	177	-26	4	33	2	33	-26	-26	53	-26	-26	33	-26	-26	53	-26	-26	RG	58-34
IL	GRUNDY	MORRIS 5 N	88.40	41.45	177	-25	4	33	2	33	-25	-25	53	-25	-25	33	-25	-25	53	-25	-25	RG	58-34
IL	WHITESIDE	MORRISON	89.97	41.82	183	-27	4	34	2	34	-27	-27	54	-27	-27	34	-27	-27	54	-27	-27	RG	58-34
IL	CHRISTIAN	MORRISONVILLE 4 SE	89.40	39.38	195	-23	4	34	2	34	-23	-23	54	-23	-23	34	-23	-23	54	-23	-23	RG	58-34
IL	WABASH	MT CARMEL 4 NW	87.78	38.45	143	-19	4	35	2	35	-19	-19	56	-19	-19	35	-19	-19	56	-19	-19	RG	58-34
IL	JEFFERSON	MOUNT VERNON 3 NE	88.87	38.35	150	-21	4	36	2	36	-21	-21	57	-21	-21	36	-21	-21	57	-21	-21	RG	58-34
IL	SHELBY	MOWEAQUA	89.03	39.63	189	-24	3	34	2	34	-24	-24	54	-24	-24	34	-24	-24	54	-24	-24	RG	58-34
IL	WASHINGTON	NASHVILLE 4 NE	89.33	38.38	159	-21	4	34	2	34	-21	-21	55	-21	-21	34	-21	-21	55	-21	-21	RG	58-34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY			BINDER GRADE			98% RELIABILITY			BINDER GRADE		
						LOW	TEMP	HIGH	TEMP	MAX	AIR	MIN	PVT	LT	MAX	AIR	MIN	PVT	LT	LT
						AVG	STD	AVG	STD	MAX	AIR	MIN	PVT	LT	MAX	AIR	MIN	PVT	LT	LT
IL	JOHNSON	NEW BURNSIDE	88.77	37.58	171	-20	4	36	2	36	57	-20	-22	PG 58-22	40	61	-28	-28	PG 64-28	PG 64-28
IL	JASPER	NEWTON 6 SSE	88.12	38.92	156	-22	4	34	2	34	54	-22	-22	PG 58-22	38	58	-30	-30	PG 64-34	PG 64-34
IL	RICHLAND	OLNEY 2 S	88.07	38.70	0	-22	4	36	2	36	56	-22	-22	PG 58-22	40	60	-30	-30	PG 64-34	PG 64-34
IL	LA SALLE	OTTAWA 4 SW	88.92	41.33	162	-24	4	34	2	34	54	-24	-24	PG 58-28	38	58	-32	-32	PG 58-34	PG 58-34
IL	CRAWFORD	PALESTINE	87.62	39.00	159	-22	4	36	2	36	56	-22	-22	PG 58-22	40	60	-30	-30	PG 64-34	PG 64-34
IL	CHRISTIAN	PANA	89.08	38.38	214	-22	4	34	2	34	54	-22	-22	PG 58-22	38	58	-30	-30	PG 64-34	PG 64-34
IL	EDGAR	PARIS WATERWORKS	87.73	39.63	207	-23	4	34	2	34	54	-23	-23	PG 58-28	38	58	-31	-31	PG 64-34	PG 64-34
IL	COOK	PARK FOREST	87.68	41.50	217	-25	4	32	2	32	52	-25	-25	PG 52-28	36	56	-32	-32	PG 58-34	PG 58-34
IL	LEE	PAW PAW 1 E	88.97	41.70	284	-26	3	32	1	32	52	-26	-26	PG 58-28	37	57	-30	-30	PG 58-34	PG 58-34
IL	PEORIA	PEORIA WSO AP	89.13	41.33	189	-27	3	33	2	33	53	-27	-27	PG 58-28	37	57	-33	-33	PG 58-34	PG 58-34
IL	LA SALLE	PIPER CITY	88.18	40.75	204	-26	3	34	2	34	54	-26	-26	PG 58-28	38	58	-32	-32	PG 58-34	PG 58-34
IL	FORD	PONTIAC	88.63	40.88	198	-24	4	34	2	34	54	-24	-24	PG 58-28	37	57	-33	-33	PG 58-34	PG 58-34
IL	LIVINGSTON	PRINCEVILLE	89.77	40.93	226	-27	3	33	2	33	53	-27	-27	PG 58-28	37	57	-33	-33	PG 58-34	PG 58-34
IL	PEORIA	QUINCY FAA AP	91.20	39.93	232	-24	3	34	2	34	54	-24	-24	PG 58-28	38	58	-30	-30	PG 64-34	PG 64-34
IL	ADAMS	RANTOUL	88.17	40.32	226	-23	4	34	2	34	54	-23	-23	PG 58-28	37	57	-29	-29	PG 58-34	PG 58-34
IL	CHAMPAIGN	ROBERTS 3 N	88.18	40.67	226	-23	3	33	2	33	53	-23	-23	PG 58-28	37	57	-29	-29	PG 58-34	PG 58-34
IL	FORD	ROCHELLE 6 NW	89.17	41.95	238	-27	3	32	1	32	52	-27	-27	PG 52-28	34	54	-33	-33	PG 58-34	PG 58-34
IL	OGLE	ROCKFORD	89.08	42.28	226	-25	4	34	2	34	54	-25	-25	PG 58-28	38	58	-33	-33	PG 58-34	PG 58-34
IL	WINNEBAGO	ROCKFORD WSO AP	89.10	42.20	220	-27	3	32	2	32	52	-27	-27	PG 52-28	36	56	-33	-33	PG 58-34	PG 58-34
IL	HARDIN	ROSICLARE 5 NW	88.40	37.45	150	-20	4	33	2	33	54	-20	-20	PG 58-22	37	58	-28	-28	PG 58-28	PG 58-28
IL	SCHUYLER	RUSHVILLE	90.55	40.12	201	-24	4	34	2	34	54	-24	-24	PG 58-28	38	58	-32	-32	PG 64-34	PG 64-34
IL	MARKON	SALEM	88.95	38.63	168	-23	3	34	2	34	54	-23	-23	PG 58-28	38	58	-29	-29	PG 64-34	PG 64-34
IL	SANGAMON	SPRINGFIELD WSO AP	89.68	39.85	180	-24	3	34	2	34	54	-24	-24	PG 58-28	38	58	-30	-30	PG 64-34	PG 64-34
IL	JO DAVIES	STOCKTON	90.00	42.35	293	-27	3	32	2	32	52	-27	-27	PG 52-28	36	56	-33	-33	PG 58-34	PG 58-34
IL	BUREAU	TISKILWA 2 SE	88.68	41.98	256	-26	4	34	2	34	54	-26	-26	PG 58-28	38	58	-34	-34	PG 58-34	PG 58-34
IL	DOUGLAS	URBANA	89.47	41.27	195	-26	3	33	2	33	53	-26	-26	PG 58-28	37	57	-32	-32	PG 58-34	PG 58-34
IL	CHAMPAIGN	USCOLA	88.28	39.80	198	-23	4	34	2	34	54	-23	-23	PG 58-28	38	58	-31	-31	PG 64-34	PG 64-34
IL	MACOUPIN	VANDALIA FAA AIRPORT	89.17	38.98	162	-22	4	34	3	34	54	-22	-22	PG 58-22	40	60	-30	-30	PG 64-34	PG 64-34
IL	BUREAU	VIRGEN 1 N	89.78	39.52	207	-23	4	34	2	34	54	-23	-23	PG 58-28	38	58	-31	-31	PG 64-34	PG 64-34
IL	MONROE	WALNUT	89.50	41.55	210	-26	4	34	2	34	54	-26	-26	PG 58-28	38	58	-34	-34	PG 58-34	PG 58-34
IL	IROQUOIS	WATSEKA 2 NW	90.15	38.33	198	-20	7	35	2	35	56	-20	-20	PG 58-22	39	59	-34	-34	PG 64-34	PG 64-34
IL	LAKE	WALKEGAN	87.77	40.78	189	-23	6	33	2	33	53	-23	-23	PG 52-28	37	57	-35	-35	PG 58-40	PG 58-40
IL	GREENE	WHITE HALL 1 E	87.88	42.35	214	-25	3	31	2	31	51	-25	-25	PG 52-28	35	55	-31	-31	PG 58-34	PG 58-34
IL	SHELBY	WINDSOR	90.38	39.43	177	-23	4	35	2	35	55	-23	-23	PG 58-28	39	59	-31	-31	PG 64-34	PG 64-34
IN	NOBLE	ALBION 5 E	85.33	41.40	299	-23	4	33	2	33	53	-23	-23	PG 58-28	37	57	-31	-31	PG 58-34	PG 58-34
IN	MADISON	ANDERSON SEWAGE PLANT	85.72	40.10	259	-23	4	32	2	32	52	-23	-23	PG 52-28	36	56	-31	-31	PG 58-34	PG 58-34
IN	STUBEN	ANGOLA	85.05	41.33	268	-23	6	32	2	32	52	-23	-23	PG 52-28	36	56	-35	-35	PG 58-40	PG 58-40
IN	LAWRENCE	AUBURN 2 SSE	86.50	38.85	204	-21	3	34	2	34	54	-21	-21	PG 58-22	38	58	-27	-27	PG 64-28	PG 64-28
IN	ADAMS	BEDFORD	85.00	39.42	204	-23	4	33	2	33	53	-23	-23	PG 58-28	37	57	-31	-31	PG 58-34	PG 58-34
IN	FRANKLIN	BROOKVILLE	85.17	39.82	290	-24	4	32	2	32	52	-24	-24	PG 58-28	36	56	-32	-32	PG 58-34	PG 58-34
IN	WAYNE	CAMBRIDGE CITY	85.68	38.37	162	-20	4	34	2	34	54	-20	-20	PG 58-22	40	60	-32	-32	PG 64-28	PG 64-28
IN	CLARK	CHARLESTOWN ORD PLANT	87.15	40.92	204	-24	4	34	3	34	54	-24	-24	PG 58-22	38	58	-32	-32	PG 64-34	PG 64-34
IN	JASPER	COLLEGEVILLE ST JOS COL	85.48	41.15	259	-25	3	32	2	32	52	-25	-25	PG 58-28	36	56	-31	-31	PG 58-34	PG 58-34
IN	WHITLEY	COLUMBIA CITY	85.92	39.20	189	-22	4	34	2	34	54	-22	-22	PG 58-22	38	58	-30	-30	PG 64-34	PG 64-34
IN	BARTHOLOMEW	COLUMBUS	85.92	39.20	189	-22	4	34	2	34	54	-22	-22	PG 58-22	38	58	-29	-29	PG 64-34	PG 64-34
IN	MARTIN	CRANE NAVAL DEPOT	86.83	38.87	232	-21	4	34	2	34	54	-21	-21	PG 58-22	37	57	-31	-31	PG 58-34	PG 58-34
IN	MONTGOMERY	CRAWFORDSVILLE PWR PL	86.90	40.05	207	-23	4	33	2	33	53	-23	-23	PG 58-28	37	57	-32	-32	PG 58-34	PG 58-34
IN	CARROLL	DELPHI 3 NNE	86.67	40.62	171	-24	4	33	2	33	53	-24	-24	PG 58-28	37	57	-32	-32	PG 58-34	PG 58-34
IN	DUBOIS	DUBOIS S IND FORAGE FRM	86.70	38.45	210	-22	4	33	2	33	54	-22	-22	PG 58-22	37	57	-30	-30	PG 58-34	PG 58-34

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ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE				
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		BINDER GRADE		BINDER GRADE		
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	PVT	MIN AIR	PVT	MAX AIR	MIN AIR	PVT	PG	HT	LT	PG	HT
IN KNOX		EDWARDSPORT POWER PLANT	87.23	38.80	140	-21	4	34	2	34	55	-21	-21	PG 58	-22	PG 64	-34					
IN GREENE		ELLUSTON	86.93	39.03	180	-21	3	34	2	34	54	-21	-21	PG 58	-22	PG 64	-28					
IN MADISON		ELWOOD	85.85	40.27	256	-23	5	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN CRAWFORD		ENGLISH	86.47	38.28	156	-23	7	33	2	33	54	-23	-23	PG 58	-28	PG 58	-40					
IN VANDERBURGH		EVANSVILLE	87.55	37.97	119	-18	4	35	2	35	56	-18	-18	PG 58	-22	PG 64	-28					
IN VANDERBURGH		EVANSVILLE WSO AP	87.53	38.05	116	-20	5	34	2	34	55	-20	-20	PG 58	-22	PG 64	-34					
IN RANDOLPH		FARMLAND 5NNW	85.15	40.25	296	-23	4	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN ALLEN		FORT WAYNE WSO AP	85.20	41.00	244	-23	4	32	2	32	52	-23	-23	PG 58	-28	PG 58	-34					
IN BENTON		FOWLER	87.32	40.62	250	-23	3	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN CLINTON		FRANKFORD DISPOSAL PLT	86.50	40.32	256	-24	4	33	2	33	53	-24	-24	PG 58	-28	PG 58	-34					
IN JOHNSON		FRANKLIN 2 NNE	86.07	39.52	235	-21	4	33	2	33	53	-21	-21	PG 58	-22	PG 58	-34					
IN LAKE		GARY	87.38	41.62	183	-22	4	33	2	33	53	-22	-22	PG 58	-22	PG 58	-34					
IN ELKHART		GOSHEN COLLEGE	85.83	41.57	247	-24	3	32	2	32	52	-24	-24	PG 52	-28	PG 58	-34					
IN PUTNAM		GREENCASTLE 1 E	86.85	39.65	256	-23	4	34	2	34	54	-23	-23	PG 58	-28	PG 64	-34					
IN DECATUR		GREENSBURG	85.50	39.35	287	-24	5	33	2	33	53	-24	-24	PG 58	-28	PG 58	-34					
IN GRANT		HARTFORD CITY 4 NW	85.45	40.47	284	-25	4	31	1	31	51	-25	-25	PG 52	-28	PG 58	-34					
IN CLARK		HENRYVILLE STATE FOREST	85.77	38.57	180	-22	6	34	2	34	55	-22	-22	PG 58	-22	PG 58	-34					
IN LAKE		HOBART	87.25	41.53	183	-24	4	33	2	33	53	-24	-24	PG 58	-28	PG 58	-34					
IN HUNTINGTON		HUNTINGTON	85.50	40.88	244	-23	3	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN MARION		INDIANAPOLIS SE SIDE	86.12	39.75	229	-22	4	33	2	33	53	-22	-22	PG 58	-22	PG 58	-34					
IN CLARK		JEFFERSONVILLE	85.75	38.28	140	-17	3	34	2	34	55	-17	-17	PG 58	-22	PG 64	-28					
IN GIBSON		JOHNSON EXP FARM	87.75	38.27	134	-19	4	34	2	34	55	-19	-19	PG 58	-22	PG 64	-28					
IN NOBLE		KENDALLVILLE	85.25	41.45	305	-22	3	33	2	33	53	-22	-22	PG 58	-22	PG 58	-28					
IN NEWTON		KENTLAND	87.45	40.77	210	-24	4	33	2	33	53	-24	-24	PG 58	-28	PG 58	-34					
IN HOWARD		KOKOMO 7 SE	86.05	40.42	262	-23	4	34	2	34	54	-23	-23	PG 58	-28	PG 58	-34					
IN TIPPECANOE		LAFAYETTE 5 S	86.87	40.35	183	-26	3	32	2	32	52	-26	-26	PG 58	-28	PG 58	-34					
IN LAGRANGE		LAGRANGE SEWAGE PLANT	85.42	41.65	274	-25	3	32	1	32	52	-25	-25	PG 52	-28	PG 58	-34					
IN LA PORTE		LA PORTE	86.72	41.60	247	-24	4	33	2	33	53	-24	-24	PG 58	-28	PG 58	-34					
IN CASS		LOGANSPOUT RADIO WSA	86.35	40.75	192	-25	3	33	2	33	53	-25	-25	PG 58	-28	PG 58	-34					
IN LAKE		LOWELL	87.42	41.28	204	-27	3	33	2	33	53	-27	-27	PG 58	-28	PG 58	-34					
IN JEFFERSON		MADISON SEWAGE PLANT	85.40	38.73	140	-18	4	34	2	34	55	-18	-18	PG 58	-22	PG 64	-28					
IN GRANT		MARION 2 N	85.67	40.57	241	-23	4	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN MORGAN		MARKLAND DAM 39	84.97	38.78	146	-19	4	34	2	34	55	-19	-19	PG 58	-22	PG 64	-28					
IN MORGAN		MARTINSVILLE 2 SW	86.45	39.40	186	-23	4	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN MOORE		MOORE HILL	85.10	39.12	299	-21	4	34	2	34	54	-21	-21	PG 58	-34	PG 64	-34					
IN POSEY		MOUNT VERNON	87.88	37.95	128	-19	4	34	2	34	55	-19	-19	PG 58	-22	PG 58	-34					
IN DELAWARE		MUNCIE BALL STATE UNIV	85.42	40.22	287	-24	4	32	2	32	52	-24	-24	PG 58	-28	PG 58	-34					
IN HENRY		NEW CASTLE	85.38	39.93	296	-24	4	33	2	33	53	-24	-24	PG 58	-28	PG 58	-34					
IN JENNINGS		NORTH VERNON 2 SW	85.65	39.00	241	-22	4	33	2	33	54	-22	-22	PG 58	-22	PG 58	-34					
IN MARION		OAKLANDON GEIST RESVR	85.98	39.90	244	-23	4	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN PORTER		OXFORD LINES	87.18	41.62	186	-23	4	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN LAWRENCE		OOLITIC PURDUE EXP FARM	86.55	38.88	198	-22	4	34	3	34	54	-22	-22	PG 58	-22	PG 64	-34					
IN ORANGE		PAOLI	86.48	38.55	171	-23	5	34	2	34	55	-23	-23	PG 58	-28	PG 64	-34					
IN MARSHALL		PLYMOUTH POWER SUBSTN	86.32	41.33	241	-24	4	33	2	33	53	-24	-24	PG 58	-28	PG 58	-34					
IN GIBSON		PRINCETON 1 W	87.58	38.35	146	-20	4	35	2	35	56	-20	-20	PG 58	-22	PG 58	-34					
IN WAYNE		RICHMOND WATERWORKS	84.85	39.85	296	-23	4	32	2	32	52	-23	-23	PG 58	-28	PG 58	-34					
IN WAYNE		RICHMOND WTR WKS 2 NNE	84.88	39.88	311	-24	4	32	2	32	52	-24	-24	PG 58	-28	PG 58	-34					
IN FULTON		ROCHESTER	86.22	41.07	235	-24	4	33	2	33	53	-24	-24	PG 58	-28	PG 58	-34					
IN PARKE		ROCKVILLE	87.23	39.77	210	-23	4	34	2	34	54	-23	-23	PG 58	-28	PG 58	-34					
IN RUSH		RUSHVILLE SEWAGE PLANT	85.45	39.60	293	-23	4	33	2	33	53	-23	-23	PG 58	-28	PG 58	-34					
IN SPENCER		SAINT MEINRAD	86.80	38.17	156	-22	6	34	2	34	55	-22	-22	PG 58	-22	PG 64	-34					
IN SCOTT		SCOTTSBURG	85.77	38.70	168	-22	5	35	2	35	55	-22	-22	PG 58	-22	PG 64	-34					
IN JACKSON		SEYMOUR 2 N	85.90	38.98	174	-22	5	33	2	33	54	-22	-22	PG 58	-22	PG 58	-34					

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY			98% RELIABILITY			BINDER GRADE		
						LOW TEMP	HIGH TEMP	STD	TEMPERATURES			TEMPERATURES			PG	HT	LT
						AVG	STD	AVG	MAX AIR	MIN PVT	MIN AIR	MAX AIR	MIN PVT	MIN AIR			
IN	SHELBY	SHELBYVILLE SEWAGE PLT	85.78	39.52	229	-22	5	33	33	53	-22	37	57	-32	PG	58	-34
IN	MARTIN	SHOALS HWY 50 BRIDGE	86.80	38.67	168	-22	4	34	34	55	-22	38	58	-30	PG	64	-34
IN	ST JOSEPH	SOUTH BEND WSO AP	86.32	41.70	241	-23	3	32	32	52	-23	36	56	-29	PG	58	-34
IN	OWEN	SPENCER	86.77	39.28	168	-23	4	33	33	53	-23	37	57	-31	PG	58	-34
IN	PIKE	SPURGEON 2 N	87.25	38.28	134	-22	6	34	34	55	-18	38	58	-26	PG	64	-28
IN	PERRY	TELL CITY POWER PLANT	86.77	37.95	122	-18	4	34	34	55	-18	38	58	-26	PG	64	-28
IN	VIGO	TERRE HAUTE 8 S	87.42	39.35	171	-22	6	33	33	53	-22	35	55	-34	PG	58	-34
IN	PORTER	VALPARAISO WATERWORKS	87.03	41.52	244	-25	3	33	33	53	-25	37	57	-31	PG	58	-34
IN	SWITZERLAND	VEVAY	85.07	38.75	143	-22	4	34	34	55	-21	38	58	-29	PG	64	-34
IN	KNOX	VINCENNES 1 W	87.53	38.68	128	-21	4	32	32	52	-24	36	56	-32	PG	58	-34
IN	WABASH	WANATAH 2 WNW	85.82	40.78	223	-24	4	32	32	52	-24	34	54	-34	PG	58	-34
IN	WABASH	WARSAW	86.93	41.23	226	-26	4	32	32	52	-26	36	56	-32	PG	58	-34
IN	KOSCIUSKO	WASHINGTON	87.17	38.65	150	-19	4	34	34	55	-19	38	58	-27	PG	64	-28
IN	DE KALB	WATERLOO	85.03	41.42	278	-24	4	32	32	52	-24	36	56	-32	PG	58	-34
IN	TIPPECANOE	WEST LAFAYETTE FAA AP	86.93	40.42	183	-24	3	33	33	53	-24	37	57	-31	PG	58	-34
IN	TIPPECANOE	WEST LAFAYETTE 6 NW	87.00	40.47	217	-23	4	33	33	53	-23	38	58	-33	PG	58	-34
IN	JASPER	WHEATFIELD 2 NNNW	87.07	41.23	198	-25	4	34	34	54	-25	36	56	-34	PG	58	-34
IN	PULASKI	WHEATFIELD 2 SSE	86.58	41.02	210	-26	4	32	32	52	-26	36	56	-31	PG	58	-34
IN	JEFFERSON	WINAMAC 2 S	84.92	40.18	339	-23	4	32	32	52	-23	37	57	-31	PG	58	-34
IN	BOYD	WINCHESTER AIRPORT	85.53	38.27	223	-19	6	33	33	54	-19	37	57	-31	PG	58	-34
IN	BOYD	ANCHORAGE	82.62	38.45	171	-19	4	34	34	55	-19	38	58	-27	PG	64	-28
IN	KNOX	ASHLAND	83.88	36.87	299	-21	4	34	34	55	-21	38	58	-29	PG	64	-34
IN	NELSON	BARBoursVILLE	85.47	37.80	195	-21	5	34	34	55	-21	40	60	-31	PG	64	-34
IN	CARLISLE	BARDSTOWN	86.97	36.88	125	-19	5	35	35	56	-19	39	60	-29	PG	64	-34
IN	ALLEN	BARDWELL 2 E	86.13	36.90	189	-21	4	34	34	55	-21	38	58	-29	PG	64	-34
IN	ARLAN	BARREN RIVER LAKE	83.33	36.85	354	-19	4	33	33	54	-19	35	56	-27	PG	58	-28
IN	OHIO	BAXTER	86.87	37.42	134	-21	5	34	34	55	-21	38	58	-31	PG	64	-34
IN	OHIO	BEAVER DAM	84.30	37.57	326	-20	4	33	33	54	-20	37	58	-28	PG	58	-28
IN	MADISON	BEREA COLLEGE	85.65	37.92	168	-21	5	34	34	55	-21	38	58	-31	PG	64	-34
IN	BULLITT	BERNHIM FOREST	82.83	38.03	207	-22	5	33	33	54	-22	35	56	-32	PG	64	-34
IN	MARION	BLAINE	85.15	38.65	143	-21	4	33	33	54	-21	37	58	-30	PG	58	-34
IN	TAYLOR	BRADFORDSVILLE	85.37	37.32	238	-20	5	33	33	54	-20	37	58	-29	PG	58	-34
IN	CARROLL	CAMPBELLVILLE 2 SSW	85.15	38.65	143	-21	4	33	33	54	-21	35	56	-33	PG	58	-34
IN	HARDIN	CARROLLTON LOCK 1	85.93	37.67	223	-19	7	33	33	54	-19	35	56	-33	PG	58	-34
IN	BOONE	CECILIA 2 SE	84.67	39.07	265	-21	5	33	33	53	-21	37	57	-31	PG	58	-34
IN	HARLAN	COVINGTON WSO AP	83.00	36.97	445	-21	4	32	32	53	-21	34	55	-29	PG	58	-34
IN	HARRISON	CUMBERLAND	84.28	38.38	220	-21	6	33	33	54	-21	37	58	-33	PG	58	-34
IN	BOYLE	CYNTHIANA 2	84.77	37.65	293	-19	4	33	33	54	-19	37	58	-27	PG	58	-28
IN	MERCER	DANVILLE	84.72	37.80	265	-19	4	33	33	54	-19	37	58	-27	PG	58	-28
IN	PENDLETON	DIX DAM	84.32	38.68	168	-23	5	33	33	54	-23	35	56	-33	PG	58	-34
IN	ROWAN	FALMOUTH	83.55	38.12	207	-22	5	34	34	55	-22	38	59	-32	PG	58	-34
IN	FLEMING	FARMERS 2 S	83.75	38.42	268	-22	4	32	32	53	-22	34	55	-30	PG	58	-34
IN	CRITTENDEN	FLEMINGSBURG 1 SW	88.10	37.47	110	-17	4	34	34	55	-17	38	59	-25	PG	64	-28
IN	FRANKLIN	FORDS FERRY DAM 50	88.27	38.23	152	-19	4	34	34	55	-19	40	61	-25	PG	64	-28
IN	LIVINGSTON	FRANKFORT LOCK 4	88.27	37.02	110	-17	4	36	36	57	-17	38	59	-28	PG	64	-28
IN	BAREN	GILBERTSVILLE KY DAM	85.92	37.00	247	-20	4	34	34	55	-20	39	60	-27	PG	64	-28
IN	TRIGG	GLASGOW WKAY	88.00	36.90	122	-19	4	35	35	56	-19	37	58	-31	PG	58	-34
IN	CARTER	GOLDEN POND 8 N	82.95	38.28	214	-21	5	33	33	54	-21	36	57	-28	PG	64	-28
IN	GREEN	GRAYSON 3 SW	85.50	37.25	180	-20	4	35	35	56	-20	37	58	-28	PG	64	-28
IN	MULLENBERG	GREENSBURG	87.22	37.18	168	-19	4	34	34	55	-19	38	59	-27	PG	64	-28
IN	LEE	GREENVILLE 2 W	83.77	37.55	204	-21	4	34	34	55	-21	38	59	-29	PG	64	-34
IN	HENDERSON	HEIDELBERG LOCK 14	87.63	37.75	131	-19	4	35	35	56	-19	39	60	-27	PG	64	-28
IN	HENDERSON	HENDERSON 7 SSW	87.63	37.75	131	-19	4	35	35	56	-19	39	60	-27	PG	64	-28

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

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ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN		TEMPERATURES		MIN		PG	HT
						AVG	STD	AVG	STD	MAX	AIR	MAX	PVT	MAX	AIR	MAX	PVT		
KY	FULTON	HICKMAN 1 E	89.17	36.57	116	-16	3	35	2	35	56	-16	-16	39	60	-22	-22	PG	64 -22
KY	LARUE	HODGENVILLE-LINCOLN N P	85.73	37.53	241	-21	5	34	2	34	55	-21	-21	38	59	-31	-31	PG	64 -34
KY	CHRISTIAN	HOPKINSVILLE	87.50	36.83	180	-19	4	36	2	36	57	-19	-19	40	61	-27	-27	PG	64 -28
KY	BRECKINRIDGE	IRVINGTON	86.28	37.88	180	-19	4	34	2	34	55	-19	-19	38	59	-27	-27	PG	64 -28
KY	BREATHITT	JACKSON	83.38	37.55	229	-20	4	34	2	34	55	-20	-20	38	59	-28	-28	PG	64 -28
KY	GRAYSON	LEITCHFIELD 2 N	86.30	37.52	189	-20	5	34	2	34	55	-20	-20	38	59	-30	-30	PG	64 -34
KY	FAYETTE	LEXINGTON WSO AP	84.60	38.03	296	-21	4	33	2	33	54	-21	-21	37	58	-29	-29	PG	58 -34
KY	LAUREL	LONDON FAA AP	84.07	37.08	363	-21	4	32	2	32	53	-21	-21	36	57	-29	-29	PG	58 -34
KY	JEFFERSON	LOUISVILLE	85.77	38.23	140	-18	4	34	1	34	55	-18	-18	36	57	-26	-26	PG	58 -28
KY	JEFFERSON	LOUISVILLE WSO	85.73	38.18	146	-18	5	34	2	34	55	-18	-18	38	58	-28	-28	PG	64 -28
KY	BALLARD	LOVELADEVILLE	88.83	36.97	113	-19	5	35	2	35	56	-19	-19	39	60	-29	-29	PG	64 -34
KY	HOPKINS	MADISONVILLE	87.52	37.35	134	-19	4	34	2	34	55	-19	-19	38	59	-27	-27	PG	64 -28
KY	EDMONSON	MAMMOTH CAVE PARK	86.08	37.18	241	-21	4	34	2	34	55	-21	-21	38	59	-29	-29	PG	64 -34
KY	CLAY	MANCHESTER 4 W	83.82	37.15	265	-22	4	33	2	33	54	-22	-22	37	58	-30	-30	PG	58 -34
KY		MAYFIELD 2 S	88.63	36.70	110	-17	4	36	2	36	57	-17	-17	40	61	-25	-25	PG	64 -28
KY	GRAVES	MAYFIELD RADIO WNGO	88.63	36.78	116	-18	4	34	2	34	55	-18	-18	38	59	-26	-26	PG	64 -28
KY	MASON	MAYSVILLE SEWAGE PLANT	83.78	38.68	159	-19	4	33	2	33	54	-19	-19	37	57	-27	-27	PG	58 -28
KY	BELL	MIDDLESBORO	83.73	36.60	360	-18	4	33	2	33	54	-18	-18	37	58	-26	-26	PG	58 -28
KY	WAYNE	MONTICELLO 3 NE	84.83	36.87	279	-21	5	33	2	33	54	-21	-21	37	58	-31	-31	PG	58 -34
KY	MONTGOMERY	MOUNT STERLING	83.93	38.07	288	-19	4	33	2	33	54	-19	-19	37	58	-27	-27	PG	58 -28
KY	ROCKCASTLE	MOUNT VERNON	84.33	37.35	354	-21	5	33	2	33	54	-21	-21	37	58	-31	-31	PG	58 -34
KY	CALLOWAY	MURRAY	88.32	36.62	165	-17	4	35	2	35	56	-17	-17	39	60	-25	-25	PG	64 -28
KY	EDMONSON	NOLIN RIVER LAKE	86.25	37.28	186	-21	4	34	2	34	55	-21	-21	38	59	-29	-29	PG	64 -34
KY	DAVIES	OWENSBORO 3 W	87.15	37.77	125	-19	4	35	2	35	56	-19	-19	39	60	-27	-27	PG	64 -28
KY	MCCRACKEN	PADUCAH WSO	88.77	37.07	125	-18	4	34	2	34	55	-18	-18	38	59	-26	-26	PG	64 -28
KY	MCCRACKEN	PADUCAH	88.62	37.10	104	-16	7	35	2	35	56	-16	-16	39	60	-30	-30	PG	64 -34
KY	PIKE	PADUCAH SEWAGE PLANT	88.60	37.10	101	-17	4	35	2	35	56	-17	-17	39	60	-25	-25	PG	64 -28
KY	CALDWELL	PIKEVILLE	82.52	37.48	210	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	64 -28
KY	OHIO	PRINCETON 1 SE	87.87	37.12	152	-20	4	34	2	34	55	-20	-20	38	59	-28	-28	PG	64 -28
KY	BRECKINRIDGE	ROCHESTER FERRY	86.90	37.22	125	-19	4	34	2	34	55	-19	-19	38	59	-27	-27	PG	64 -28
KY	LOGAN	ROUGH RIVER DAM	86.50	37.62	171	-21	4	34	2	34	55	-21	-21	38	59	-29	-29	PG	64 -34
KY		RUSSELLVILLE	86.88	36.85	180	-18	5	34	2	34	55	-18	-18	38	59	-28	-28	PG	64 -28
KY	ALLEN	ST JOHN BETHLEHEM ACAD	85.98	37.70	238	-20	5	34	2	34	55	-20	-20	38	59	-30	-30	PG	64 -34
KY	SHELBY	SCOTTSVILLE 3 SSW	86.22	36.73	259	-19	4	34	2	34	55	-19	-19	38	59	-27	-27	PG	64 -28
KY	PULASKI	SHELBYVILLE 1 E	85.20	38.20	223	-21	4	34	2	34	55	-21	-21	38	59	-29	-29	PG	64 -34
KY	MCCREARY	SOMERSET 2 N	84.62	37.12	311	-22	4	33	2	33	54	-22	-22	37	58	-30	-30	PG	58 -34
KY	METCALFE	STEARNS 2 S	84.48	36.67	372	-22	4	33	2	33	54	-22	-22	37	58	-30	-30	PG	58 -34
KY	MARTIN	SUMMER SHADE	85.72	36.88	262	-21	5	34	2	34	55	-21	-21	38	59	-31	-31	PG	64 -34
KY	LEWIS	TOMAHAWK 1 WSW	82.62	37.87	210	-22	4	33	1	33	54	-22	-22	35	56	-30	-30	PG	58 -34
KY	GALLATIN	VANCEBURG	83.33	38.58	159	-21	4	33	2	33	54	-21	-21	37	57	-29	-29	PG	58 -34
KY	LINCOLN	WARSAW MARKLAND DAM	84.97	38.77	143	-21	5	33	2	33	54	-21	-21	37	57	-31	-31	PG	58 -34
KY	MORGAN	WAYNESBURG 7 NE	84.60	37.42	384	-22	4	32	2	32	53	-22	-22	36	57	-30	-30	PG	58 -34
KY	WHITLEY	WEST LIBERTY	83.27	37.92	235	-21	6	33	2	33	54	-21	-21	37	58	-33	-33	PG	58 -34
KY	GRANT	WILLIAMSBURG	84.15	36.73	305	-19	4	33	2	33	54	-19	-19	37	58	-27	-27	PG	58 -28
KY	RUSSELL	WILLIAMSTOWN 3 NW	85.15	36.85	134	-21	4	33	2	33	54	-21	-21	37	57	-29	-29	PG	58 -34
LA		WOLF CREEK DAM	84.62	38.65	134	-21	4	34	2	34	55	-21	-21	38	59	-26	-26	PG	64 -28
LA		ALEXANDRIA WSO AP	92.30	31.40	37	-9	3	36	1	36	58	-9	-9	38	60	-15	-15	PG	64 -16
LA	NATCHITOCHES	ASHLAND	93.10	32.12	70	-11	4	36	2	36	58	-11	-11	40	62	-19	-19	PG	64 -22
LA	MOREHOUSE	BASTROP	91.90	32.78	43	-9	3	37	2	37	59	-9	-9	41	62	-15	-15	PG	64 -16
LA	LA SALLE	BELAH FIRE TOWER	92.18	31.63	61	-9	2	37	1	37	59	-9	-9	39	61	-13	-13	PG	64 -16
LA	WASHINGTON	BOGALUSA	89.87	30.78	30	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64 -16
LA	PLAQUEMINES	BOOTHVILLE WSO MO CI	89.40	29.33	0	-2	3	33	1	33	55	-2	-2	35	57	-8	-8	PG	58 -10
LA	AVOYELLES	BUNKE	92.17	30.95	24	-7	3	36	1	36	58	-7	-7	38	60	-13	-13	PG	64 -16

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	PVT	MIN PVT	MAX AIR	MIN AIR	PVT	MIN PVT		
LA	BURAS 2 SE		89.50	29.33	0	-3	3	34	1	34	56	-3	-3	36	58	-9	-9	PG	64
LA	JACKSON	CHATHAM	92.45	32.32	55	-11	4	37	2	37	59	-11	-11	41	63	-19	-19	PG	64
LA	E FELICIANA	CLINTON	91.02	30.87	55	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64
LA	GRANT	COLFAX	92.72	31.52	28	-9	3	36	2	36	58	-9	-9	40	62	-15	-15	PG	64
LA	SABINE	CONVERSE	93.70	31.75	67	-11	2	36	2	36	58	-11	-11	40	62	-15	-15	PG	64
LA	ST TAMMANY	COVINGTON 4 NNW	90.12	30.53	12	-7	3	35	1	35	57	-7	-7	37	59	-13	-13	PG	64
LA	ACADIA	CROWLEY 2 NE	92.37	30.25	9	-6	3	34	1	34	56	-6	-6	36	58	-12	-12	PG	64
LA	BEAUREGARD	DEQUINCY 4 N	93.43	30.52	30	-8	2	36	1	36	58	-8	-8	38	60	-12	-12	PG	64
LA	BEAUREGARD	DERIDDER	93.28	30.88	61	-7	6	36	2	36	58	-7	-7	40	62	-19	-19	PG	64
LA	ASSUMPTION	DONALDSONVILLE 4 SW	91.03	30.07	9	-6	3	36	1	36	58	-6	-6	38	60	-12	-12	PG	64
LA	ALLEN	ELIZABETH	92.78	30.85	46	-8	3	36	2	36	58	-8	-8	40	62	-14	-14	PG	64
LA	WEST CARROLL	EPSS 6 NNW	91.57	32.82	30	-8	3	36	1	36	58	-8	-8	38	60	-15	-15	PG	64
LA	UNION	FARMERVILLE	92.40	32.77	52	-10	2	36	1	36	58	-10	-10	38	60	-14	-14	PG	64
LA	ST MARY	FRANKLIN 3 NNW	91.55	29.82	3	-6	6	34	1	34	56	-6	-6	36	58	-18	-18	PG	64
LA	WASHINGTON	FRANKLINTON 3 SW	90.18	30.82	46	-9	3	36	1	36	58	-9	-9	38	60	-15	-15	PG	64
LA	LAFOURCHE	GALLIANO	90.30	29.45	15	-4	3	34	1	34	56	-4	-4	36	58	-10	-10	PG	64
LA	NATCHITOCHES	GORUM FIRE TOWER	92.90	31.42	110	-8	3	36	2	36	58	-8	-8	40	62	-14	-14	PG	64
LA	ST LANDRY	GRAND COATEAU	92.03	30.43	18	-7	3	35	1	35	57	-7	-7	37	59	-13	-13	PG	64
LA	CAMERON	HACKBERRY 8 SSW	93.42	29.88	3	-6	3	34	1	34	56	-6	-6	36	58	-12	-12	PG	64
LA	TANGIPAHOA	HAMMOND 3 NNW	90.48	30.53	15	-8	3	36	1	36	58	-8	-8	38	60	-13	-13	PG	64
LA	RAPIDES	HINESTON 4 NNE	92.75	31.18	73	-9	2	36	1	36	58	-9	-9	38	60	-10	-10	PG	64
LA	CLAIBORNE	HOMER 3 SSW	93.07	32.75	116	-11	3	36	2	36	58	-11	-11	40	62	-17	-17	PG	64
LA	IBERIA	JEANERETTE 5 NW	91.72	29.95	6	-6	2	34	1	34	56	-6	-6	36	58	-10	-10	PG	64
LA	JEFFERSON DAVIS	JENNINGS	92.67	30.20	9	-7	3	35	1	35	57	-7	-7	37	59	-13	-13	PG	64
LA	LAFAYETTE	LAFAYETTE FAA AP	91.98	30.20	12	-6	3	35	1	35	57	-6	-6	37	59	-12	-12	PG	64
LA	CALCASIEU	LAKE CHARLES WSO AP	93.22	30.12	3	-6	3	34	1	34	56	-6	-6	36	58	-12	-12	PG	64
LA	EAST CARROLL	LAKE PROVIDENCE	91.17	32.80	30	-9	4	37	2	37	59	-9	-9	41	63	-17	-17	PG	64
LA	VERNON	LEESVILLE	93.27	31.15	73	-9	3	36	2	36	58	-9	-9	40	62	-15	-15	PG	64
LA	DESO TO	LOGANSFORT	94.00	31.97	58	-11	3	37	2	37	59	-11	-11	41	63	-17	-17	PG	64
LA	DESO TO	LOGANSFORT 4 ENE	93.95	31.98	64	-11	3	37	2	37	59	-11	-11	41	63	-17	-17	PG	64
LA	EBATON ROUGE	LSU BEN-HUR RES CTR	91.17	30.37	6	-7	3	34	1	34	56	-7	-7	36	58	-13	-13	PG	64
LA	SABINE	MANY	93.48	31.57	79	-11	2	36	2	36	58	-11	-11	40	62	-15	-15	PG	64
LA	ST LANDRY	MELVILLE	91.75	30.68	9	-7	2	34	1	34	56	-7	-7	36	58	-11	-11	PG	64
LA	WEBSTER	MINDEN	93.28	32.58	58	-10	3	37	2	37	59	-10	-10	41	63	-16	-16	PG	64
LA	NATCHITOCHES	NATCHITOCHES	93.08	31.77	40	-8	3	37	2	37	59	-8	-8	41	63	-14	-14	PG	64
LA	NEW ORLEANS WSO CI	NEW ORLEANS WSO CI	90.07	29.95	0	-2	4	34	1	34	56	-2	-2	36	58	-10	-10	PG	64
LA	JEFFERSON	NEW ORLEANS WSO AP	90.25	29.98	0	-6	3	34	1	34	56	-6	-6	36	58	-12	-12	PG	64
LA	ORLEANS	NEW ORLEANS AUDUBON	90.13	29.92	3	-4	3	34	1	34	56	-4	-4	36	58	-10	-10	PG	64
LA	POINTE COUPEE	NEW ROADS 5 ESE	91.37	30.68	15	-7	3	35	1	35	57	-7	-7	37	59	-13	-13	PG	64
LA	ALLEN	OBERLIN FIRE TOWER	92.78	30.60	21	-7	3	36	1	36	58	-7	-7	38	60	-13	-13	PG	64
LA	POINTE COUPEE	OLD RIVER LOCK	91.67	31.00	21	-7	3	35	1	35	57	-7	-7	37	59	-13	-13	PG	64
LA	ST CHARLES	PARADIS 7 S	90.43	29.78	3	-7	2	34	1	34	56	-7	-7	36	58	-11	-11	PG	64
LA	PLAQUEMINES	QUARANTINE	89.27	29.22	3	-1	2	33	1	33	55	-1	-1	35	57	-5	-5	PG	64
LA	CAMERON	ROCKEFELLER WL REFUG	90.62	30.08	6	-6	3	35	1	35	57	-6	-6	37	59	-12	-12	PG	64
LA	ST JOHN BAPT	RESERVE 4 NNW	92.82	29.73	0	-5	3	34	1	34	56	-5	-5	36	58	-11	-11	PG	64
LA	ST BERNARD	SAINT BERNARD	89.83	29.87	3	-6	3	35	1	35	57	-6	-6	37	59	-12	-12	PG	64
LA	TERREBONNE	SCHRIEVER	90.82	29.73	6	-6	2	35	1	35	57	-6	-6	37	59	-10	-10	PG	64
LA	TAMMANY	SLIDELL WSO	89.77	30.25	3	-7	3	34	1	34	56	-7	-7	36	58	-13	-13	PG	64
LA	LA SALLE	URANIA	92.30	31.87	30	-10	3	37	2	37	59	-10	-10	41	63	-16	-16	PG	64
LA	EVANGELINE	VILLE PLATTE 4 WSW	92.33	30.67	21	-6	3	36	2	36	58	-6	-6	40	62	-12	-12	PG	64
LA	RED RIVER	WESTDALE	93.50	32.17	43	-9	3	36	2	36	58	-9	-9	40	62	-15	-15	PG	64
LA	RAPIDES	WOODWORTH 2 SE	92.47	31.12	37	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64
MI	LEWIS	ADRIAN 2 NNE	84.02	41.92	232	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	58

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
						LOW	STD	HIGH	TEMP	MAX AIR	MIN PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	PG
MI	BARAGA	ALBERTA FORD FOR CENTER	88.48	46.65	400	-32	3	30	2	30	48	-32	-32	34	52	-38	-38	PG	58	-40	PG
MI	ALLEGAN	ALLEGAN	85.83	42.52	204	-23	4	32	2	32	52	-23	-23	36	55	-31	-31	PG	58	-34	PG
MI	GRATIOT	ALMA	84.67	43.38	232	-23	3	32	2	32	51	-23	-23	36	55	-29	-29	PG	58	-34	PG
MI	ALPENA	ALPENA WSO AP	83.57	45.07	210	-27	4	31	2	31	50	-27	-27	35	54	-35	-35	PG	58	-40	PG
MI	ALPENA	ALPENA WW TRMT PLT	83.43	45.07	180	-23	3	29	2	29	48	-23	-23	33	52	-29	-29	PG	52	-34	PG
MI	WASHTENAW	ANN ARBOR U OF MICH	83.72	42.30	274	-22	3	32	2	32	52	-22	-22	36	56	-28	-28	PG	58	-28	PG
MI	MONTMORACY	ATLANTA 5 WW	84.23	45.03	357	-28	4	31	2	31	50	-28	-28	35	54	-36	-36	PG	58	-40	PG
MI	HURON	BAD AXE	83.00	43.82	220	-23	3	31	2	31	50	-23	-23	35	54	-29	-29	PG	58	-34	PG
MI	LAKE	BALDWIN	85.85	43.90	256	-29	4	32	2	32	51	-29	-29	36	55	-37	-37	PG	58	-40	PG
MI	CALHOUN	BATTLE CREEK 5 NW	85.27	42.37	284	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	58	-34	PG
MI	BAY	BAY CITY	83.87	43.62	180	-21	3	32	2	32	51	-21	-21	36	55	-27	-27	PG	58	-28	PG
MI	BERRIEN	BENTON HARBOR AIRPORT	86.43	42.13	198	-21	3	32	2	32	52	-21	-21	36	56	-27	-27	PG	58	-28	PG
MI	ONTONAGON	BERGLAND DAM	89.55	46.58	396	-34	6	29	2	29	48	-34	-34	33	51	-46	-46	PG	52	-46	PG
MI	MARQUETTE	BIG BAY	87.73	46.82	207	-26	6	28	4	28	46	-26	-26	36	55	-35	-35	PG	58	-40	PG
MI	MEOCOSTA	BIG RAPIDS WATERWORKS	85.48	43.70	284	-27	4	32	2	32	52	-27	-27	36	56	-29	-29	PG	58	-34	PG
MI	VAN BUREN	BLOOMINGDALE	85.97	42.38	223	-23	3	32	2	32	52	-23	-23	35	54	-36	-36	PG	58	-40	PG
MI	CHARLEVOIX	BOYNE FALLS	84.82	45.17	226	-30	3	31	2	31	50	-30	-30	33	51	-32	-32	PG	52	-34	PG
MI		CALUMET CAA AP	88.50	47.17	332	-20	6	29	2	29	47	-20	-20	33	51	-32	-32	PG	52	-34	PG
MI	TUSCOLA	CARO REGIONAL CENTER	83.40	43.45	204	-26	3	32	2	32	51	-26	-26	36	55	-32	-32	PG	58	-34	PG
MI	MARQUETTE	CHAMPION VAN RIVER PARK	87.98	46.52	479	-35	3	29	2	29	48	-35	-35	33	51	-41	-41	PG	52	-46	PG
MI	EATON	CHARLOTTE	84.83	42.55	274	-25	4	32	2	32	52	-25	-25	36	55	-33	-33	PG	58	-34	PG
MI	ALGER	CHATHAM EXP FARM	86.83	46.35	268	-31	4	29	2	29	48	-31	-31	33	51	-39	-39	PG	52	-34	PG
MI	CHEBOYGAN	CHEBOYGAN	84.47	45.65	180	-26	3	29	2	29	48	-26	-26	36	56	-29	-29	PG	58	-34	PG
MI	BRANCH	COLDWATER STATE SCHOOL	85.00	41.95	299	-23	3	32	2	32	52	-23	-23	34	53	-42	-42	PG	58	-46	PG
MI	DELTA	CORNELL 4 WSW	87.30	45.88	268	-28	7	30	2	30	49	-28	-28	32	51	-34	-34	PG	52	-34	PG
MI	EWING	CROSS VILLAGE	85.03	45.63	217	-28	3	28	2	28	47	-28	-28	34	52	-41	-41	PG	58	-46	PG
MI	IRON	CRYSTAL FALLS 6 NE	88.23	46.17	415	-35	3	30	2	30	49	-35	-35	37	56	-27	-27	PG	58	-28	PG
MI	WAYNE	DEARBORN	83.23	42.32	186	-21	3	33	2	33	53	-21	-21	32	51	-36	-36	PG	52	-40	PG
MI	CHIPPewa	DE TOUR VILLAGE	83.92	46.02	183	-28	4	28	2	28	47	-28	-28	36	55	-24	-24	PG	58	-28	PG
MI	WAYNE	DETROIT CITY AP	83.02	42.42	192	-18	3	32	2	32	52	-18	-18	32	51	-36	-36	PG	52	-40	PG
MI	WAYNE	DETROIT METRO WSO AP	83.33	42.23	192	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	58	-34	PG
MI	CASS	DOWAGIAC 1 W	86.13	41.98	226	-24	3	32	2	32	52	-24	-24	36	56	-30	-30	PG	58	-34	PG
MI	CHIPPewa	DUNBAR FOREST EXP STN	84.23	46.32	183	-32	4	28	2	28	47	-32	-32	32	50	-40	-40	PG	52	-40	PG
MI		EAGLE HARBOR COAST GD	88.17	47.47	192	-22	4	27	2	27	45	-22	-22	31	49	-30	-30	PG	52	-34	PG
MI		EAST JORDAN	85.13	45.15	180	-29	4	31	2	31	50	-29	-29	35	54	-30	-30	PG	58	-34	PG
MI	CHARLEVOIX	EAST LANSING 4 S	84.48	42.67	268	-24	3	31	2	31	51	-24	-24	34	53	-30	-30	PG	58	-34	PG
MI	INGHAM	EAST TAWAS	83.50	44.28	180	-24	3	30	2	30	49	-24	-24	36	56	-28	-28	PG	58	-28	PG
MI	OSCO	EAU CLAIRE 4 NE	86.25	42.02	265	-22	3	32	2	32	52	-22	-22	36	56	-32	-32	PG	52	-34	PG
MI	BERRIEN	ESCANABA	87.03	45.75	183	-26	3	31	2	31	50	-26	-26	35	54	-34	-34	PG	58	-34	PG
MI	DELTA	EVART	85.27	43.90	305	-28	3	31	2	31	50	-28	-28	35	54	-31	-31	PG	52	-34	PG
MI	OSCEOLA	FAYETTE 4 SW	86.72	45.67	229	-23	4	27	2	27	46	-23	-23	35	54	-37	-37	PG	58	-40	PG
MI	DELTA	FIFE LAKE 4 SW	85.42	44.55	329	-29	4	31	2	31	50	-29	-29	35	54	-29	-29	PG	58	-34	PG
MI	GRAND TRAVERSE	FLINT WSO AP	83.75	42.97	235	-23	3	31	2	31	50	-23	-23	31	50	-27	-27	PG	52	-28	PG
MI	GENESEE	FRANKFORD 2 NE	86.20	44.65	265	-19	4	27	2	27	46	-19	-19	35	54	-36	-36	PG	58	-40	PG
MI	BENZIE	GAYLORD	84.67	45.03	412	-28	4	31	2	31	50	-28	-28	36	55	-32	-32	PG	58	-34	PG
MI	OTSEGO	GLADWIN	84.50	43.98	238	-26	3	32	2	32	51	-26	-26	35	54	-32	-32	PG	58	-34	PG
MI	GLADWIN	GRAND HAVEN FIRE DEPT	86.22	43.07	189	-19	3	29	1	29	49	-19	-19	33	51	-25	-25	PG	52	-28	PG
MI	OTTAWA	GRAND MARAIS 2 E	85.95	46.67	189	-26	3	29	2	29	47	-26	-26	33	51	-32	-32	PG	52	-34	PG
MI	ALGER	GRAND RAPIDS WSO AP	85.52	42.88	217	-24	3	32	1	32	52	-24	-24	34	53	-30	-30	PG	58	-34	PG
MI	KENT	GRAYLING	84.70	44.65	348	-30	4	31	2	31	50	-30	-30	35	54	-38	-38	PG	58	-40	PG
MI	CRAWFORD	GREENVILLE 2 NNE	85.25	43.20	268	-24	3	32	2	32	51	-24	-24	36	55	-30	-30	PG	58	-34	PG
MI	MONTCALM	GROSSE POINTE FARMS	82.90	42.38	186	-19	3	32	1	32	52	-19	-19	34	54	-25	-25	PG	58	-28	PG
MI	WAYNE	GULL LAKE BIOL STN	85.40	42.40	272	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	58	-34	PG

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	AIR TEMP					50% RELIABILITY					98% RELIABILITY					BINDER GRADE		
			LOW TEMP		HIGH TEMP			TEMPERATURES		MIN		PVT	TEMPERATURES		MIN		PVT	PG	HT	LT
			AVG	STD	AVG	STD	AVG	MAX	AIR	MAX	AIR		MAX	AIR	MAX	AIR				
MI	OSGO	HALE LOUD DAM	83.72	44.47	250	-2.9	4	31	2	31	50	-29	35	54	-37	-37	PG	58	-40	
MI	HURON	HARBOR BEACH 1 SSE	82.63	43.83	183	-2.2	3	29	2	29	48	-22	33	52	-28	-28	PG	58	-28	
MI	OCEANA	HART	86.37	43.70	207	-2.2	6	31	2	31	50	-22	35	54	-34	-34	PG	58	-34	
MI	BARRY	HASTINGS	85.30	42.65	238	-2.4	4	32	2	32	52	-24	36	55	-32	-32	PG	58	-34	
MI	BARAGA	HERMAN	88.33	46.65	555	-3.2	4	29	2	29	47	-32	33	51	-40	-40	PG	52	-40	
MI	HILLSDALE	HILLSDALE	84.63	41.93	329	-2.4	3	32	2	32	52	-24	36	56	-30	-30	PG	58	-34	
MI	OTTAWA	HOLLAND	86.12	42.80	186	-2.2	3	32	2	32	52	-22	36	55	-28	-28	PG	58	-28	
MI	HOUGHTON	HOUGHTON FAA AP	88.50	47.17	326	-2.6	3	28	2	28	46	-26	32	50	-32	-32	PG	52	-34	
MI	MISSAUKEE	HOUGHTON LAKE 6 WSW	84.88	44.32	348	-2.8	4	31	2	31	50	-28	35	54	-36	-36	PG	58	-40	
MI	ROSCOMMON	HOUGHTON LAKE WSO AP	84.68	44.37	351	-2.8	3	30	2	30	49	-28	34	53	-34	-34	PG	58	-34	
MI	IONIA	IONIA 1 WINW	85.07	42.98	229	-2.4	4	32	2	32	51	-24	36	55	-32	-32	PG	58	-34	
MI	DICKINSON	IRON MOUNTAIN WATERWKS	88.08	45.78	323	-2.8	6	31	2	31	50	-28	35	54	-40	-40	PG	58	-40	
MI	GOGEBIC	IRONWOOD	90.18	46.47	436	-3.3	4	30	2	30	49	-33	34	52	-41	-41	PG	58	-46	
MI	MARQUETTE	ISHPEMING	87.65	46.48	439	-2.9	3	30	2	30	49	-29	34	52	-35	-35	PG	58	-40	
MI	JACKSON	JACKSON FAA AP	84.45	42.27	308	-2.3	3	32	2	32	52	-23	36	56	-29	-29	PG	58	-34	
MI	KALAMAZOO	KALAMAZOO STATE HOSP	85.60	42.28	290	-2.2	3	33	2	33	53	-22	37	56	-28	-28	PG	58	-28	
MI	HOUGHTON	KENTON	88.88	46.48	357	-3.6	3	30	2	30	49	-36	34	52	-42	-42	PG	58	-46	
MI	MISSAUKEE	LAKE CITY EXP FARM	85.20	44.32	378	-2.9	3	31	2	31	50	-29	35	54	-35	-35	PG	58	-40	
MI	CLINTON	LANSING WSO AP	84.60	42.77	266	-2.4	4	32	2	32	52	-24	36	55	-32	-32	PG	58	-34	
MI	LAPEER	LAPPEER	83.35	43.05	265	-2.4	3	32	2	32	51	-24	36	55	-30	-30	PG	58	-28	
MI	MASON	LUDINGTON 4 SE	86.40	43.90	210	-2.1	3	30	2	30	49	-21	34	53	-27	-27	PG	58	-28	
MI	OGEAW	LUPTON 1 S	84.02	44.42	274	-3.0	5	32	2	32	51	-30	36	55	-40	-40	PG	58	-40	
MI	CHEBOYGAN	MACKINAW CITY 2	84.73	45.78	180	-2.5	4	28	2	28	47	-25	32	51	-33	-33	PG	52	-34	
MI	MANISTEE	MANISTEE 3 SE	86.28	44.22	204	-2.2	4	31	2	31	50	-22	35	54	-30	-30	PG	58	-34	
MI	SCHOOLCRAFT	MANISTIQUE	86.25	45.95	189	-2.7	4	27	2	27	46	-27	31	50	-35	-35	PG	52	-40	
MI	LEELANAU	MAPLE CITY	85.85	44.86	223	-2.3	3	31	2	31	50	-23	35	54	-29	-29	PG	58	-34	
MI	MARQUETTE	MARQUETTE	87.38	46.55	204	-2.3	3	29	2	29	48	-23	33	51	-39	-39	PG	52	-40	
MI	MARQUETTE	MARQUETTE WSO	87.55	46.53	433	-3.1	4	29	2	29	48	-31	36	55	-28	-28	PG	58	-28	
MI	MARQUETTE	MARQUETTE 2	84.23	43.60	198	-2.2	3	32	2	32	51	-22	35	54	-29	-29	PG	58	-34	
MI	LIVINGSTON	MILFORD GM PROVING GRND	83.70	42.58	302	-2.3	3	31	2	31	51	-23	35	54	-29	-29	PG	58	-40	
MI	OSCODA	MIO HYDRO PLANT	84.13	44.67	293	-3.1	3	31	2	31	50	-31	35	54	-37	-37	PG	58	-28	
MI	MONROE	MONROE	83.40	41.92	180	-2.1	3	33	2	33	53	-21	37	57	-27	-27	PG	58	-28	
MI	KEWEENAW	MOTT ISLAND ISLE ROYALE	88.55	48.10	189	-4	3	24	2	24	42	-4	28	46	-10	-10	PG	52	-10	
MI	ISABELLA	MT PLEASANT UNIVERSITY	84.77	43.58	244	-2.3	3	32	2	32	51	-23	36	55	-29	-29	PG	58	-34	
MI	ALGER	MUNISING	86.65	46.40	189	-2.7	4	29	2	29	48	-27	33	51	-35	-35	PG	52	-40	
MI	NEWAYGO	NEWAYGO HARDY DAM	85.63	43.48	232	-2.7	4	32	2	32	51	-27	36	55	-35	-35	PG	58	-40	
MI	LUCE	NEWBERRY STATE HOSPITAL	85.50	46.33	268	-2.7	6	29	2	29	48	-27	33	51	-39	-39	PG	52	-40	
MI	PRESQUE ISLE	ONAWAY STATE PARK	84.23	45.43	210	-2.8	3	31	2	31	50	-28	35	54	-34	-34	PG	58	-34	
MI	ONTONAGON	ONTONAGON	89.32	46.87	214	-2.8	5	29	2	29	47	-28	33	51	-38	-38	PG	52	-40	
MI	SHIAWASSEE	OWOSSO 3 SSW	84.20	42.97	235	-2.3	3	32	2	32	52	-23	36	55	-29	-29	PG	58	-34	
MI	EMMET	PELLSTON FAA AP	84.78	45.57	220	-3.2	3	30	2	30	49	-32	34	53	-38	-38	PG	58	-40	
MI	EMMET	PETOSKEY	84.98	45.37	186	-2.4	4	29	2	29	48	-24	33	52	-32	-32	PG	52	-34	
MI	ST CLAIR	PORT HURON	82.42	42.98	180	-2.1	3	32	2	32	51	-21	36	55	-27	-27	PG	58	-28	
MI	PRESQUE ISLE	ROGERS CITY 3 S	83.83	45.38	226	-2.3	4	30	2	30	49	-23	34	53	-31	-31	PG	58	-34	
MI	SAGINAW	SAGINAW CONSUMERS P CO	83.97	43.45	183	-2.2	3	32	2	32	51	-22	36	55	-28	-28	PG	58	-28	
MI	SAGINAW	SAGINAW FAA AP	84.08	43.53	201	-2.3	3	32	2	32	51	-23	36	55	-29	-29	PG	58	-34	
MI	SAGINAW	SAGINAW CHARLES	84.15	43.30	183	-2.3	4	33	2	33	52	-23	37	56	-31	-31	PG	58	-34	
MI	SAGINAW	ST JAMES 2 S BEAVER IS	85.52	45.72	204	-2.3	4	27	3	27	46	-23	33	52	-31	-31	PG	52	-34	
MI	CHARLEVOIX	SANT JOHNS	84.55	43.02	226	-2.3	3	32	2	32	51	-23	36	55	-29	-29	PG	58	-34	
MI	CLINTON	SANT JOHNS	82.83	43.42	235	-2.2	4	31	2	31	50	-22	35	54	-30	-30	PG	58	-34	
MI	SANILAC	SANDUSKY	84.37	46.47	220	-3.0	3	28	2	28	47	-30	32	50	-36	-36	PG	52	-40	
MI	CHIPPewa	SAULT STE MARIE WSO	85.95	46.28	217	-3.2	4	30	2	30	49	-32	34	52	-40	-40	PG	58	-40	
MI	SCHOOLCRAFT	SENEY NATL WLR	86.28	42.40	189	-1.9	3	30	2	30	50	-19	34	54	-25	-25	PG	58	-28	
MI	VAN BUREN	SOUTH HAVEN															PG	58	-28	

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		BINDER GRADE			
						LOW	STD	HIGH	TEMP	MAX AIR	TEMP	MIN	PVT	MAX AIR	TEMP	MIN	PVT	PG	HT	LT	PG	HT	LT
MI	IRON	STAMBAUGH 2 SSE	88.62	46.05	476	-34	5	29	2	29	48	-34	-34	33	52	-44	-44	PG	52	-46	PG	52	-46
MI	AREMAC	STANDISH 4 SSE	83.93	43.93	186	-26	3	31	2	31	50	-26	-26	35	54	-32	-32	PG	52	-28	PG	58	-34
MI	MENOMINEE	STEPHENSON 8 WNW	87.75	45.45	217	-31	3	31	2	31	50	-31	-31	35	54	-37	-37	PG	52	-34	PG	58	-40
MI	CHIPPEWA	TAQUAMENON FALLS S PK	85.23	46.60	229	-29	4	29	2	29	48	-29	-29	33	51	-37	-37	PG	52	-34	PG	58	-40
MI	ST JOSEPH	THREE RIVERS	85.63	41.93	247	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	52	-28	PG	58	-34
MI	OTSEGO	VANDERBILT 11 ENE	84.45	45.17	284	-34	3	31	3	31	50	-34	-34	37	56	-40	-40	PG	52	-34	PG	58	-40
MI	GOGERIC	WATERSMEET	89.17	46.28	491	-34	4	29	2	29	48	-34	-34	33	51	-42	-42	PG	52	-34	PG	58	-40
MI	OGEMAW	WEST BRANCH 3 SE	84.20	44.25	272	-27	3	31	2	31	50	-27	-27	35	54	-33	-33	PG	52	-28	PG	58	-34
MI	CHIPPEWA	WHITEFISH POINT	84.98	46.75	186	-25	4	26	2	26	45	-25	-25	30	48	-33	-33	PG	52	-34	PG	58	-40
MI	WASHTENAW	WILLIS 5 SSW	83.58	42.08	201	-24	4	32	2	32	52	-24	-24	36	56	-32	-32	PG	52	-28	PG	58	-34
MI	WASHTENAW	YPSILANTI E MI UNIV	83.62	42.25	238	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	52	-22	PG	58	-34
MI	NORMAN	ADA	96.52	47.30	278	-35	2	33	2	33	51	-35	-35	37	55	-39	-39	PG	52	-40	PG	58	-40
MI	MARSHALL	AGASSIZ REFUGE	95.98	48.30	348	-37	3	31	1	31	49	-37	-37	33	51	-43	-43	PG	52	-40	PG	58	-40
MI	AITKIN	AITKIN 1 E	93.70	46.53	372	-34	6	29	3	29	48	-34	-34	35	53	-46	-46	PG	52	-34	PG	58	-46
MI	FREEBORN	ALBERT LEA 3 SE	93.42	43.62	375	-30	3	32	2	32	51	-30	-30	36	55	-36	-36	PG	52	-34	PG	58	-40
MI	DOUGLAS	ALEXANDRIA FAA AP	95.38	45.87	433	-33	3	32	2	32	51	-33	-33	36	54	-39	-39	PG	52	-34	PG	58	-40
MI	POLK	ANGUS 1 N	96.70	48.10	265	-34	7	31	1	31	49	-34	-34	33	51	-49	-49	PG	52	-34	PG	58	-40
MI	MARSHALL	ARGYLE 4 E	96.73	48.33	265	-36	4	32	2	32	50	-36	-36	36	54	-44	-44	PG	52	-40	PG	58	-46
MI	BIG STONE	ARTICHOK LAKE	96.13	45.37	329	-32	3	33	2	33	52	-32	-32	37	56	-38	-38	PG	52	-34	PG	58	-40
MI	MOWER	AUSTIN 3 S	93.00	43.62	372	-32	3	32	2	32	51	-32	-32	36	55	-38	-38	PG	52	-34	PG	58	-40
MI	ST LOUIS	BABBITT 2 SE	91.92	47.68	494	-35	3	29	2	29	47	-35	-35	33	51	-41	-41	PG	52	-40	PG	58	-46
MI	OF THE WOODS	BAUDETTE	94.62	48.72	329	-39	3	31	2	31	49	-39	-39	35	53	-45	-45	PG	52	-40	PG	58	-46
MI	OF THE WOODS	BAUDETTE 21 SSE	94.57	48.42	360	-40	7	29	3	29	47	-40	-40	35	53	-54	-54	PG	52	-40	PG	58	-46
MI	BIG STONE	BEARDSLEY	96.72	45.55	332	-32	3	33	3	33	52	-32	-32	39	57	-38	-38	PG	52	-34	PG	58	-40
MI	BELTRAMI	BEMIDJI	94.93	47.50	421	-38	4	30	1	30	48	-38	-38	32	50	-46	-46	PG	52	-40	PG	58	-46
MI	SWIFT	BENSON	95.60	45.32	317	-32	3	33	2	33	52	-32	-32	37	56	-38	-38	PG	52	-34	PG	58	-40
MI	KOOCHICUNG	BIG FALLS	93.80	48.20	372	-40	2	31	2	31	49	-40	-40	35	53	-44	-44	PG	52	-40	PG	58	-46
MI	RENNVILLE	BIRD ISLAND	94.90	44.77	332	-32	3	33	2	33	52	-32	-32	37	56	-38	-38	PG	52	-34	PG	58	-40
MI	CROWWING	BRANERD	94.20	46.37	360	-36	7	31	2	31	49	-36	-36	35	53	-50	-50	PG	52	-40	PG	58	-46
MI	WRIGHT	BUFFALO	93.88	45.18	305	-32	3	33	2	33	52	-32	-32	37	56	-38	-38	PG	52	-34	PG	58	-40
MI	HOUSTON	CALEDONIA	91.50	43.63	360	-31	3	31	2	31	50	-31	-31	35	54	-37	-37	PG	52	-34	PG	58	-40
MI	ISANTI	CAMBRIDGE STATE HOSP	93.23	45.57	305	-33	3	31	2	31	50	-33	-33	35	54	-39	-39	PG	52	-34	PG	58	-40
MI	WILKIN	CAMPBELL 1 SSW	96.42	46.08	296	-33	3	33	2	33	52	-33	-33	37	55	-39	-39	PG	52	-34	PG	58	-40
MI	YELLOWMED	CANBY	96.28	44.72	378	-30	4	35	2	35	54	-30	-30	39	58	-38	-38	PG	52	-34	PG	58	-40
MI	CASS	CASS LAKE	94.62	47.38	396	-39	6	30	2	30	48	-39	-39	34	52	-51	-51	PG	52	-40	PG	58	-46
MI	ANOKA	CEDAR	93.28	45.32	278	-34	3	32	2	32	51	-34	-34	36	55	-40	-40	PG	52	-34	PG	58	-40
MI	CARVER	CHASKA	93.58	44.80	220	-31	8	33	2	33	52	-31	-31	37	56	-47	-47	PG	52	-34	PG	58	-46
MI	CARLTON	CLOQUET	92.52	46.70	387	-36	4	31	2	31	49	-36	-36	35	53	-44	-44	PG	52	-40	PG	58	-46
MI	STEARNS	COLLEGEVILLE ST JOHN U	94.40	45.58	375	-32	3	32	2	32	51	-32	-32	36	55	-38	-38	PG	52	-34	PG	58	-40
MI	ST LOUIS	COOK 18 W	93.07	47.87	403	-39	4	29	2	29	47	-39	-39	33	51	-47	-47	PG	52	-40	PG	58	-40
MI	ST LOUIS	COTTON 3 E	92.42	47.17	409	-40	3	28	3	28	46	-40	-40	34	52	-46	-46	PG	52	-40	PG	58	-46
MI	BECKER	DETROIT LAKES 1 NNE	95.85	46.83	421	-38	3	31	2	31	49	-38	-38	35	53	-44	-44	PG	52	-40	PG	58	-46
MI	ST LOUIS	DULUTH HARBOR STATION	92.08	46.77	186	-30	3	27	1	27	46	-30	-30	29	47	-36	-36	PG	52	-34	PG	58	-40
MI	ST LOUIS	DULUTH WSO AP	92.18	46.83	436	-34	3	28	2	28	46	-34	-34	32	50	-40	-40	PG	52	-34	PG	58	-40
MI	GRANT	ELBOW LAKE	95.97	45.98	369	-33	3	32	2	32	51	-33	-33	36	54	-39	-39	PG	52	-34	PG	58	-40
MI	MARTIN	FAIRMONT	94.47	43.63	363	-29	3	33	2	33	52	-29	-29	37	56	-35	-35	PG	52	-34	PG	58	-40
MI	RICE	FARIBAULT	93.27	44.30	287	-32	3	33	2	33	52	-32	-32	36	54	-38	-38	PG	52	-34	PG	58	-40
MI	DAKOTA	FARMINGTON 3 NW	93.18	44.67	299	-32	3	32	2	32	51	-32	-32	36	55	-38	-38	PG	52	-34	PG	58	-40
MI	OTTER TAIL	FERGUS FALLS	96.07	46.28	403	-33	3	32	2	32	50	-33	-33	36	54	-39	-39	PG	52	-34	PG	58	-40
MI	WASHINGTON	FOREST LAKE 5 NE	92.93	45.32	278	-33	3	31	2	31	50	-33	-33	35	54	-39	-39	PG	52	-34	PG	58	-40
MI	POLK	FOSSTON 2 E	95.73	47.57	400	-36	3	31	2	31	49	-36	-36	35	53	-42	-42	PG	52	-40	PG	58	-46
MI	SIBLEY	GAYLORD	94.22	44.55	311	-31	3	33	2	33	52	-31	-31	37	56	-37	-37	PG	52	-34	PG	58	-40
MI	CLAY	GEORGETOWN 1 E	96.78	47.08	272	-34	3	32	2	32	50	-34	-34	36	54	-40	-40	PG	52	-34	PG	58	-40

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE				
						LOW	TEMP	HIGH	TEMP	MAX	AIR	TEMP	MIN	PVT	MAX	AIR	TEMP	MIN	PVT	BINDER GRADE	HT	LT
MN	POPE	GLENWOOD 2 WNW	95.42	45.67	366	-33	3	32	2	32	32	51	-33	-33	36	55	-39	-39	PG	58	-40	PG
MN	COOK	GRAND MARAIS	90.35	47.73	186	-31	3	24	2	24	42	51	-31	-31	28	46	-37	-37	PG	52	-40	PG
MN	MOWER	GRAND MEADOW	92.57	43.70	412	-31	3	32	2	32	51	51	-31	-31	36	55	-37	-37	PG	58	-40	PG
MN	ITASCA	GRAND RAPIDS FOREST LAB	93.50	47.23	400	-38	3	31	2	31	49	49	-38	-38	35	53	-44	-44	PG	58	-46	PG
MN	CASS	GULL LAKE DAM	94.35	46.42	372	-34	8	31	2	31	49	49	-34	-34	35	53	-50	-50	PG	58	-52	PG
MN	KITSON	HALLOCK	96.95	48.77	250	-37	3	32	2	32	50	50	-37	-37	36	53	-43	-43	PG	58	-46	PG
MN	CLAY	HAWLEY 3 NE	96.25	46.88	357	-34	8	31	3	31	49	49	-34	-34	37	55	-50	-50	PG	58	-46	PG
MN	ST LOUIS	HIBBING FAA AP	92.85	47.38	412	-37	3	29	2	29	47	47	-37	-37	33	51	-43	-43	PG	52	-46	PG
MN	ST LOUIS	HOYT LAKES 5 N	92.13	47.58	464	-37	7	29	2	29	47	47	-37	-37	33	51	-51	-51	PG	52	-52	PG
MN	MCLEOD	HUTCHINSON 1 N	94.37	44.92	336	-32	3	32	2	32	51	51	-32	-32	36	55	-38	-38	PG	58	-40	PG
MN	KOOCHICHING	INT FALLS WSO AP	93.38	48.57	360	-39	2	29	2	29	47	47	-39	-39	33	51	-43	-43	PG	52	-46	PG
MN	LAKE	ISABELLA 1 W	91.38	47.62	613	-36	3	28	2	28	46	46	-36	-36	32	50	-42	-42	PG	52	-46	PG
MN	AITKIN	ISLE 8 N	93.52	46.25	394	-37	3	30	2	30	49	49	-37	-37	34	52	-43	-43	PG	58	-46	PG
MN	SCOTT	JORDAN 1 S	95.20	47.22	454	-39	3	31	2	31	49	49	-39	-39	35	53	-45	-45	PG	58	-46	PG
MN	KITSON	KARLSTAD	96.52	48.58	320	-37	4	31	2	31	49	49	-37	-37	35	53	-45	-45	PG	58	-46	PG
MN	BELTRAMI	KELUHER	94.45	47.93	424	-36	6	29	3	29	47	47	-36	-36	35	53	-48	-48	PG	58	-46	PG
MN	REDWOOD	LAMBERTON SW EXP STN	95.32	44.25	348	-32	3	33	2	33	52	52	-32	-32	37	56	-38	-38	PG	58	-40	PG
MN	CASS	LEECH LAKE DAM	94.22	47.25	396	-36	3	31	2	31	49	49	-36	-36	35	53	-42	-42	PG	58	-46	PG
MN	MEER	LITCHFIELD	94.53	45.12	345	-32	3	33	2	33	52	52	-32	-32	37	56	-38	-38	PG	58	-40	PG
MN	MORRISON	LITTLE FALLS 1 N	94.35	45.98	342	-35	3	33	2	33	52	52	-35	-35	37	55	-41	-41	PG	58	-46	PG
MN	TOOD	LONG PRAIRIE	94.85	45.98	394	-36	3	32	2	32	51	51	-36	-36	36	54	-42	-42	PG	58	-46	PG
MN	ROCK	LUVERNE	96.20	43.67	458	-32	3	33	2	33	52	52	-32	-32	37	56	-38	-38	PG	58	-40	PG
MN	LAC QUI PARL	MADISON SEWAGE PLANT	96.17	45.00	329	-32	3	34	2	34	53	53	-32	-32	38	57	-38	-38	PG	58	-40	PG
MN	MAHONEN	MAHONEN 1 W	95.98	47.32	366	-37	3	32	2	32	50	50	-37	-37	36	54	-43	-43	PG	58	-46	PG
MN	HENNEPIN	MAPLE PLAIN	93.65	45.00	296	-32	3	32	2	32	51	51	-32	-32	36	55	-38	-38	PG	58	-40	PG
MN	LYON	MARSHALL	95.77	44.47	351	-31	3	33	2	33	52	52	-31	-31	37	56	-37	-37	PG	58	-40	PG
MN	ST LOUIS	MEADOWLANDS 9 S	92.73	46.98	387	-37	6	29	2	29	47	47	-37	-37	33	51	-49	-49	PG	52	-52	PG
MN	STEARNS	MELROSE	94.82	45.67	369	-34	3	32	2	32	51	51	-34	-34	36	55	-40	-40	PG	58	-40	PG
MN	MILLE LACS	MILACA 1 ENE	93.67	45.80	332	-33	3	31	2	31	50	50	-33	-33	35	54	-39	-39	PG	58	-40	PG
MN	CHIPPewa	MILAN 1 NW	95.93	45.13	311	-33	3	33	2	33	52	52	-33	-33	37	56	-39	-39	PG	58	-40	PG
MN	HENNEPIN	MINN-ST PAUL WSO AP	93.22	44.88	253	-30	3	32	2	32	51	51	-30	-30	36	55	-36	-36	PG	58	-40	PG
MN	LAC QUI PARL	MONTEVIDEO 1 SW	95.75	44.93	302	-32	3	33	2	33	52	52	-32	-32	37	56	-38	-38	PG	58	-40	PG
MN	CARLTON	MOOREHEAD ST TEACH COOL	96.75	46.87	287	-34	3	32	2	32	50	50	-34	-34	36	54	-40	-40	PG	58	-40	PG
MN	KANABEC	MOOSE LAKE 1 SSE	92.75	46.45	339	-38	3	31	2	31	49	49	-38	-38	35	53	-44	-44	PG	58	-46	PG
MN	STEVENS	MORA	93.30	45.88	302	-36	4	32	2	32	51	51	-36	-36	36	54	-44	-44	PG	58	-46	PG
MN	KANDIYOHI	MORRIS WC EXP STN	95.88	45.58	348	-34	3	32	2	32	51	51	-34	-34	36	55	-40	-40	PG	58	-40	PG
MN	NEW LONDON	NEW LONDON	94.93	45.30	378	-33	3	33	2	33	52	52	-33	-33	37	56	-39	-39	PG	58	-40	PG
MN	BROWN	NEW ULM 2 SE	94.45	44.30	262	-32	4	33	2	33	52	52	-32	-32	37	56	-40	-40	PG	58	-40	PG
MN	NICOLLET	NORTH MANKATO	94.03	44.17	241	-31	4	33	2	33	52	52	-31	-31	37	56	-39	-39	PG	58	-40	PG
MN	RED LAKE	OKLEE	95.85	47.83	351	-36	8	31	2	31	49	49	-36	-36	35	53	-52	-52	PG	58	-52	PG
MN	OTTER TAIL	OTTER TAIL	95.57	46.42	299	-36	3	32	2	32	50	50	-36	-36	36	54	-42	-42	PG	58	-46	PG
MN	STEELE	OWATONNA	93.23	44.10	351	-32	3	33	2	33	52	52	-32	-32	37	56	-38	-38	PG	58	-40	PG
MN	HUBBARD	PARK RAPIDS 2 S	95.07	46.90	439	-38	3	31	2	31	49	49	-38	-38	35	53	-44	-44	PG	58	-46	PG
MN	CROW WING	PINE RIVER DAM	94.12	46.67	381	-39	3	31	2	31	49	49	-39	-39	35	53	-45	-45	PG	58	-46	PG
MN	PIPESTONE	PIPESTONE	96.32	44.02	522	-32	7	33	2	33	52	52	-32	-32	37	56	-46	-46	PG	58	-46	PG
MN	ITASCA	POKEGAMA DAM	93.58	47.25	390	-37	3	30	1	30	48	48	-37	-37	32	50	-43	-43	PG	52	-46	PG
MN	FILLMORE	PRESTON	92.08	43.67	284	-33	4	32	2	32	51	51	-33	-33	36	55	-41	-41	PG	58	-46	PG
MN	RED LAKE	RED LAKE FALLS	96.28	47.88	317	-37	3	31	2	31	49	49	-37	-37	35	53	-43	-43	PG	58	-46	PG
MN	REDWOOD	REDWOOD FALLS FAA AP	95.08	44.55	314	-31	3	34	3	34	53	53	-31	-31	37	56	-37	-37	PG	58	-40	PG
MN	CASS	REMER 2	93.90	47.05	412	-37	6	29	2	29	47	47	-37	-37	33	51	-49	-49	PG	52	-52	PG
MN	OLMSTED	ROCHESTER WSO AP	92.50	43.92	396	-31	3	31	2	31	50	50	-31	-31	35	54	-37	-37	PG	58	-40	PG
MN	ROSEAU	ROSEAU 1 E	95.77	48.85	320	-38	7	30	2	30	48	48	-38	-38	34	52	-52	-52	PG	52	-52	PG

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weathr Database Used for Asphalt Binder Grade Selection

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ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY				BINDER GRADE			
						TEMP				TEMPERATURES				RG				TEMPERATURES				RG			
						LOW	STD	HIGH	STD	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT
MN	DAKOTA	ROSEMOUNT AGRI EXP STN	93.10	44.72	290	-32	3	32	2	32	51	-32	-32	RG	52	-34	36	55	-38	-38	RG	58	-40	37	55
MN	WILKIN	ROTHSAY	96.27	46.48	369	-34	3	33	2	33	51	-34	-34	RG	52	-34	37	55	-40	-40	RG	58	-40	37	55
MN	SHERBURNE	ST CLOUD WSO AP	94.07	45.55	317	-34	3	32	2	32	51	-34	-34	RG	52	-34	36	55	-40	-40	RG	58	-40	37	55
MN	WATONWAN	ST JAMES WASTE WATER	94.62	43.98	329	-30	3	33	2	33	52	-30	-30	RG	58	-34	37	56	-36	-36	RG	58	-40	37	56
MN	RAMSEY	SAINT PAUL	93.08	44.97	281	-29	3	32	2	32	51	-29	-29	RG	52	-34	36	55	-35	-35	RG	58	-40	37	55
MN	NICOLLET	ST PETER 2 SW	93.97	44.30	259	-32	4	33	2	33	52	-32	-32	RG	58	-34	37	56	-40	-40	RG	58	-40	37	56
MN	AITKIN	SANDY LAKE DAM LIBBY	93.32	46.80	375	-37	3	30	2	30	48	-37	-37	RG	52	-40	34	52	-43	-43	RG	58	-46	34	52
MN	SHERBURNE	SANTIAGO 3 E	93.77	45.55	311	-35	3	32	2	32	51	-35	-35	RG	52	-40	36	55	-41	-41	RG	58	-46	36	55
MN	BROWN	SPRINGFIELD 1 NW	94.98	44.25	326	-31	3	33	2	33	52	-31	-31	RG	58	-34	37	56	-37	-37	RG	58	-40	37	56
MN	MCLEOD	STEWART	94.50	44.73	317	-31	4	33	2	33	52	-31	-31	RG	52	-34	37	56	-39	-39	RG	58	-40	37	56
MN	WASHINGTON	STILLWATER 1 SE	92.78	45.03	217	-32	4	33	2	33	52	-32	-32	RG	52	-34	37	56	-40	-40	RG	58	-40	37	56
MN		THIEF RIVER FALLS	96.18	48.07	345	-37	3	31	1	31	49	-37	-37	RG	52	-40	33	51	-43	-43	RG	58	-46	33	51
MN		THORHULT 1 S	95.25	48.22	363	-38	6	30	2	30	48	-38	-38	RG	52	-40	34	52	-50	-50	RG	58	-46	34	52
MN	BELTRAMI	TOWER 3 S	92.28	47.75	445	-39	7	29	2	29	47	-39	-39	RG	52	-40	33	51	-53	-53	RG	58	-46	33	51
MN	ST LOUIS	TWO HARBORS	91.67	47.02	192	-31	3	30	2	28	46	-31	-31	RG	52	-34	32	50	-37	-37	RG	58	-40	32	50
MN	ST LOUIS	VIRGINIA	92.55	47.50	439	-37	3	30	2	30	48	-37	-37	RG	52	-40	34	52	-42	-42	RG	58	-46	34	52
MN	WADENA	WADENA 3 S	95.15	46.40	412	-36	3	32	2	32	50	-36	-36	RG	52	-40	36	54	-42	-42	RG	58	-46	36	54
MN	CASS	WALKER AH GWAH CHING	94.58	47.07	430	-36	2	30	2	30	48	-36	-36	RG	52	-40	34	52	-40	-40	RG	58	-46	34	52
MN	ROSEAU	WANNASKA 1 S	95.75	48.65	363	-40	3	31	2	31	49	-40	-40	RG	52	-40	35	53	-46	-46	RG	58	-46	35	53
MN	ROSEAU	WARROAD	95.32	48.92	326	-38	3	29	2	29	47	-38	-38	RG	52	-40	33	51	-44	-44	RG	58	-46	33	51
MN	WASECA	WASECA EXPERIMENT STN	93.52	44.07	351	-32	3	33	2	33	52	-32	-32	RG	58	-34	37	56	-38	-38	RG	58	-40	37	56
MN	BELTRAMI	WASKISH RANGER STATION	94.52	48.17	357	-38	2	28	4	28	46	-38	-38	RG	52	-40	36	54	-42	-42	RG	58	-46	36	54
MN	TRaverse	WHEATON	96.48	45.80	311	-31	4	34	2	34	53	-31	-31	RG	58	-34	38	56	-39	-39	RG	58	-40	38	56
MN	KANDIYOHI	WILLMAR STATE HOSPITAL	95.02	45.13	345	-32	3	33	2	33	52	-32	-32	RG	52	-34	37	56	-38	-38	RG	58	-40	37	56
MN	COTTONWOOD	WINDOM	95.10	43.87	421	-31	3	33	2	33	52	-31	-31	RG	58	-34	37	56	-35	-35	RG	58	-40	37	56
MN	FARIBAULT	WINNEBAGO	94.17	43.77	339	-29	3	33	2	33	52	-29	-29	RG	58	-34	37	56	-37	-37	RG	58	-40	37	56
MN	ITASCA	WINNIBGOSHISH DAM	94.05	47.43	403	-37	2	31	2	31	49	-37	-37	RG	52	-40	35	53	-41	-41	RG	58	-46	35	53
MN	WINONA	WINONA	91.63	44.05	198	-29	3	33	2	33	52	-29	-29	RG	58	-34	37	56	-35	-35	RG	58	-40	37	56
MN	LAKE	WINTON POWER PLANT	91.77	47.93	409	-38	3	28	2	29	47	-38	-38	RG	52	-40	33	51	-44	-44	RG	58	-46	33	51
MN	NOBLES	WORTHINGTON	95.60	43.62	485	-30	3	32	2	32	51	-30	-30	RG	52	-40	36	55	-36	-36	RG	58	-40	36	55
MN	AITKIN	WRIGHT 4 NW	93.07	46.72	396	-39	3	30	2	30	48	-39	-39	RG	52	-40	34	52	-45	-45	RG	58	-46	34	52
MN	GOOCHIE	ZUMBROTA	92.67	44.30	302	-33	4	33	2	33	52	-33	-33	RG	58	-34	37	56	-41	-41	RG	58	-46	37	56
MN	STODARD	ADVANCE 1 S	89.90	37.10	110	-19	4	36	2	36	57	-19	-19	RG	58	-22	40	61	-27	-27	RG	64	-28	40	61
MN	GENTRY	ALBANY	94.33	40.25	265	-26	3	35	2	35	55	-26	-26	RG	58	-28	39	59	-32	-32	RG	64	-34	39	59
MN	OREGON	ALTON	91.40	36.70	262	-18	4	34	2	34	55	-18	-18	RG	58	-22	38	59	-26	-26	RG	64	-28	38	59
MN	MC DONALD	ANDERSON	94.43	36.65	320	-22	4	35	2	35	56	-22	-22	RG	58	-22	39	60	-30	-30	RG	64	-34	39	60
MN	ST CLAIR	APPLETON CITY	94.03	38.20	244	-21	4	37	2	37	58	-21	-21	RG	58	-22	41	61	-29	-29	RG	64	-34	41	61
MN	IRON	ARCADIA	90.62	37.58	284	-20	4	35	2	35	56	-20	-20	RG	58	-22	39	60	-28	-28	RG	64	-28	39	60
MN	CRAWFORD	BERRYMAN 6 NW	91.17	37.95	290	-24	6	36	2	36	57	-24	-24	RG	58	-28	40	60	-36	-36	RG	64	-34	40	60
MN	HARRISON	BETHANY	94.05	40.25	290	-26	4	35	3	35	55	-26	-26	RG	58	-28	41	61	-34	-34	RG	64	-34	41	61
MN	CHRISTIAN	BILLINGS 2 N	93.55	37.08	412	-21	3	36	2	36	57	-21	-21	RG	58	-22	40	61	-27	-27	RG	64	-28	40	61
MN	SHANNON	BIRCH TREE	91.50	36.98	305	-20	5	36	2	36	57	-20	-20	RG	58	-22	39	59	-30	-30	RG	64	-28	39	59
MN	COOPER	BOONVILLE	92.75	38.97	204	-22	3	35	2	35	55	-22	-22	RG	58	-22	38	58	-28	-28	RG	64	-28	38	58
MN	PIKE	BOWLING GREEN 2 NE	91.18	38.37	217	-26	4	34	2	34	54	-26	-26	RG	58	-28	38	58	-34	-34	RG	64	-34	38	58
MN	CHARITON	BRUNSWICK	93.12	39.42	198	-23	4	36	2	36	56	-23	-23	RG	58	-22	40	60	-31	-31	RG	64	-34	40	60
MN	DALLAS	BUFFALO 3 S	93.10	37.60	351	-22	4	36	2	36	57	-22	-22	RG	58	-22	38	59	-30	-30	RG	64	-34	38	59
MN	REYNOLDS	BUNKER	91.22	37.45	421	-22	4	34	2	34	55	-22	-22	RG	58	-22	42	62	-29	-29	RG	64	-34	42	62
MN	BATES	BUTLER	94.32	38.25	241	-21	4	36	3	36	57	-21	-21	RG	58	-22	40	60	-29	-29	RG	64	-34	40	60
MN	CAMDEN	CAMDENTON	92.75	38.00	317	-21	4	36	2	36	57	-21	-21	RG	58	-22	41	62	-27	-27	RG	64	-28	41	62
MN		CAMPBELL	90.07	36.48	95	-17	5	37	2	37	58	-17	-17	RG	58	-22	38	58	-30	-30	RG	64	-34	38	58
MN	LEWIS	CANTON L AND D 20	91.52	40.15	150	-24	3	34	2	34	54	-24	-24	RG	58	-28	38	58	-27	-27	RG	64	-34	38	58
MN	SCOTT	CAPE GIRARDEAU FAA AP	89.57	37.23	104	-19	4	36	1	36	57	-19	-19	RG	58	-22	38	59	-27	-27	RG	64	-28	38	59
MN	CEDAR	CAPLINGER MILLS 1 N	93.80	37.80	250	-19	5	36	2	36	57	-19	-19	RG	58	-22	40	60	-29	-29	RG	64	-34	40	60

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP	HIGH TEMP	STD	TEMPERATURES				TEMPERATURES				PG	HT
						AVG	AVG	STD	MAX AIR	MIN AIR	PVT	MIN PVT	MAX AIR	MIN AIR	PVT	MIN PVT		
MO	MARIES	VIENNA 2 WNW	91.98	38.20	235	-24	5	36	2	36	57	-24	40	60	-34	-34	PG	64
MO	BUTLER	WAPPAPELLO DAM	90.28	36.93	101	-18	4	36	2	36	57	-18	40	61	-26	-26	PG	64
MO	JOHNSON	WARRENSBURG	93.73	38.75	265	-21	6	36	3	36	56	-21	42	62	-33	-33	PG	64
MO	WARREN	WARRENTON 1 N	91.13	38.82	259	-21	5	36	3	36	56	-21	42	62	-31	-31	PG	64
MO	BENTON	WARSAW 1	93.37	38.25	217	-22	4	37	3	37	58	-22	43	63	-30	-30	PG	64
MO	PULASKI	WAYNESVILLE 2 W	92.23	37.82	272	-23	4	36	2	36	57	-23	40	60	-31	-31	PG	64
MO	ST LOUIS	WEBSTER GROVES	90.37	38.57	189	-19	3	35	2	35	56	-19	39	59	-25	-25	PG	64
MO	ST CHARLES	WELDON SPRING WLDLF A	90.73	38.70	186	-23	4	34	2	34	55	-23	38	58	-31	-31	PG	64
MO	HOWELL	WEST PLAINS	91.85	36.73	308	-19	4	35	2	35	56	-19	38	58	-27	-27	PG	64
MO	HOWELL	WILLOW SPRGS RADIO KUKU	91.98	36.98	400	-21	4	34	2	34	55	-21	38	59	-29	-29	PG	64
MO	HENRY	WINDSOR	93.52	38.53	274	-22	3	35	3	35	56	-22	41	61	-28	-28	PG	64
MS	MCNORE	ABERDEEN	88.55	33.83	64	-13	4	36	2	36	57	-13	40	61	-21	-21	PG	64
MS	PANOLA	BATESVILLE 2 SW	89.98	34.30	67	-14	5	36	2	36	57	-14	36	58	-12	-12	PG	64
MS	HANCOCK	BAY SAINT LOUIS	89.33	30.30	6	-6	3	34	1	34	56	-6	40	61	-24	-24	PG	64
MS	JASPER	BAY SPRINGS 2 NNW	89.30	32.00	152	-10	4	36	2	36	58	-10	40	62	-18	-18	PG	64
MS	HUMPHREYS	BELZONI	90.48	33.20	34	-10	4	37	2	37	59	-10	41	62	-18	-18	PG	64
MS	HARRISON	BILOXI CITY	88.87	30.40	3	-6	3	34	1	34	56	-6	36	58	-12	-12	PG	64
MS	PRENTISS	BOONEVILLE	88.57	34.67	150	-14	4	35	2	35	56	-14	39	60	-22	-22	PG	64
MS	LINCOLN	BROOKHAVEN CITY	90.45	31.55	131	-9	3	36	2	36	58	-9	40	62	-15	-15	PG	64
MS	CALHOUN	CALHOUN CITY 2 NW	89.33	33.92	85	-14	4	36	2	36	57	-14	40	61	-22	-22	PG	64
MS	MADISON	CANTON	90.03	32.60	70	-11	4	36	2	36	58	-11	40	62	-19	-19	PG	64
MS	LEAKE	CARTHAGE	89.55	32.72	113	-12	3	36	1	36	58	-12	38	60	-18	-18	PG	64
MS	TALLAHATCHIE	CHARLESTON	90.05	34.02	64	-12	4	37	2	37	58	-12	41	62	-20	-20	PG	64
MS	COAHOMA	CLARKSDALE	90.57	34.20	52	-11	4	37	2	37	58	-11	41	62	-19	-19	PG	64
MS	BOLIVAR	CLEVELAND	90.73	33.73	43	-12	4	36	2	36	57	-12	40	61	-20	-20	PG	64
MS	COVINGTON	COLLINS	89.57	31.63	88	-10	3	35	1	35	57	-10	37	59	-16	-16	PG	64
MS	MARION	COLUMBIA	89.83	31.25	49	-9	3	36	2	36	58	-9	40	62	-15	-15	PG	64
MS	LOWNDES	COLUMBUS	88.43	33.48	40	-12	3	36	2	36	58	-12	40	61	-18	-18	PG	64
MS	COPIAH	CRYSTAL SPRINGS 4 NNE	90.32	32.03	113	-11	3	35	1	35	57	-11	37	59	-17	-17	PG	64
MS	SIMPSON	DLO 2 SW	89.93	31.95	104	-11	3	36	2	36	58	-11	40	62	-17	-17	PG	64
MS	LEAKE	EDNURG	89.33	32.80	116	-12	3	36	2	36	58	-12	40	61	-18	-18	PG	64
MS	WEBSTER	EUPORA 2 E	89.23	33.55	134	-13	4	36	2	36	58	-13	40	61	-21	-21	PG	64
MS	ITAWAMBA	FULTON 3 W	88.45	34.27	107	-15	4	36	2	36	57	-15	40	61	-23	-23	PG	64
MS	WASHINGTON	GREENVILLE	91.02	33.38	40	-10	3	36	2	36	58	-10	40	61	-16	-16	PG	64
MS	CARROLL	GREENWOOD FAA AP	90.08	33.50	49	-11	4	36	2	36	58	-11	40	61	-19	-19	PG	64
MS	GRENADA	GRENADA	89.82	33.78	55	-12	4	36	1	36	57	-12	38	59	-20	-20	PG	64
MS	HARRISON	GULFPORT NAVAL CENTER	89.13	30.38	12	-7	3	35	1	35	57	-7	37	59	-13	-13	PG	64
MS	FORREST	HATTIESBURG	89.30	31.32	49	-9	3	36	1	36	58	-9	40	61	-15	-15	PG	64
MS	DE SOTO	HERNANDO	90.00	34.83	110	-13	4	35	3	35	56	-13	41	62	-21	-21	PG	64
MS	BENTON	HICKORY FLAT	89.18	34.62	122	-16	4	36	2	36	57	-16	40	61	-24	-24	PG	64
MS	MARSHALL	HOLLY SPRINGS 2 N	89.43	34.80	152	-13	4	37	2	37	58	-13	41	62	-21	-21	PG	64
MS	CHICKASAW	HOLLY SPRINGS 4 N	89.43	34.82	146	-16	4	34	2	34	55	-16	38	59	-24	-24	PG	64
MS	TATE	HOUSTON 2 NE	89.97	33.92	92	-14	3	36	2	36	57	-14	40	61	-20	-20	PG	64
MS	HINDS	INDEPENDENCE 3 N	89.80	34.73	110	-14	4	34	2	34	55	-14	38	59	-22	-22	PG	64
MS	RANKIN	JACKSON 4 NW	90.23	32.33	98	-9	4	36	2	36	58	-9	40	62	-17	-17	PG	64
MS	KEMPER	JACKSON WSFO AP	90.08	32.32	101	-11	3	36	2	36	58	-11	40	62	-17	-17	PG	64
MS	ATTALA	KIPLING	88.63	32.68	98	-13	3	36	2	36	58	-13	40	62	-19	-19	PG	64
MS	JONES	KOSCIUSKO	89.60	33.07	140	-12	4	36	2	36	58	-12	40	61	-20	-20	PG	64
MS	GREENE	LAUREL	89.12	31.68	70	-8	5	36	1	36	58	-8	38	60	-18	-18	PG	64
MS	HOLMES	LEAKESVILLE	88.55	31.17	34	-8	2	36	1	36	58	-8	38	60	-12	-12	PG	64
MS	AMITE	LEXINGTON 2 NNW	90.07	33.13	98	-13	3	36	2	36	58	-13	40	61	-19	-19	PG	64
MS	WINSTON	LIBERTY 5 W	90.88	31.17	104	-9	3	35	1	35	57	-9	37	59	-15	-15	PG	64
MS	WINSTON	LOUISVILLE	89.07	33.13	177	-12	3	36	2	36	58	-12	40	61	-18	-18	PG	64

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
M5	NOXUBEE	MACON 2 NE	88.53	33.13	58	-11	3	36	2	36	58	-11	-11	40	61	-17	-17	PG	64-22
M5	FRANKLIN	MEADVILLE	90.88	31.47	107	-11	3	36	1	36	58	-11	-11	38	60	-17	-17	PG	64-22
M5	LAUDERDALE	MERIDIAN WSO AP	88.75	32.33	88	-11	3	36	2	36	58	-11	-11	40	62	-17	-17	PG	64-22
M5	LEFLORE	MINTER CITY	90.30	33.75	46	-11	4	36	2	36	57	-11	-11	40	61	-19	-19	PG	64-22
M5	LAWRENCE	MONTICELLO	90.10	31.55	67	-10	3	36	2	36	58	-10	-10	40	62	-16	-16	PG	64-16
M5	SUNFLOWER	MOOREHEAD	90.52	33.45	37	-11	7	37	2	37	58	-11	-11	41	62	-25	-25	PG	64-28
M5	ADAMS	NATCHEZ	91.38	31.55	61	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64-16
M5	NEWTON	NEWTON EXP STATION	89.08	32.33	107	-11	3	36	2	36	58	-11	-11	40	62	-17	-17	PG	64-22
M5	SHARKEY	NITTA YUMA	90.85	33.03	34	-11	3	36	1	36	58	-11	-11	38	60	-17	-17	PG	64-22
M5	HINDS	OAKLEY EXP STATION	90.52	32.20	64	-11	3	35	1	35	57	-11	-11	37	59	-17	-17	PG	64-22
M5	SHARKEY	ONWARD	90.93	32.72	37	-11	3	35	1	35	57	-11	-11	37	59	-17	-17	PG	64-22
M5	JACKSON	PASCAGOULA 3 NE	88.48	30.40	3	-7	4	34	2	34	56	-7	-7	38	60	-15	-15	PG	64-16
M5	RANKIN	PELAHATCHE	89.80	32.32	110	-12	3	36	2	36	58	-12	-12	40	62	-18	-18	PG	64-22
M5	YAZOO	PICKENS	89.98	32.88	67	-12	3	36	2	36	58	-12	-12	40	61	-18	-18	PG	64-22
M5	PONTOTOC	PONTOTOC 5 E	88.92	34.27	134	-14	4	36	2	36	57	-14	-14	40	61	-22	-22	PG	64-22
M5	PONTOTOC	PONTOTOC EXP STN	89.00	34.15	125	-14	4	35	2	35	56	-14	-14	39	60	-22	-22	PG	64-22
M5	PEARL RIVER	POPLARVILLE EXP STN	89.55	30.85	95	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64-16
M5	CLARKE	QUITMAN 1 N	88.72	32.07	92	-12	3	36	2	36	58	-12	-12	40	62	-18	-18	PG	64-22
M5	PERRY	RIGHTON 3 SSE	88.90	31.30	52	-11	3	36	1	36	58	-11	-11	40	61	-22	-22	PG	64-22
M5	TIPPAH	RIPLEY	88.95	34.73	159	-14	4	36	2	36	57	-14	-14	40	61	-19	-19	PG	64-22
M5	BOLIVAR	ROSEDALE	91.02	33.85	46	-11	4	36	2	36	58	-11	-11	40	62	-19	-19	PG	64-22
M5	LAUDERDALE	RUSSELL	88.60	32.40	119	-11	4	36	2	36	58	-11	-11	40	61	-14	-14	PG	64-16
M5	HARRISON	SAUCIER EXP FOREST	89.05	30.63	70	-8	3	35	1	35	57	-8	-8	38	59	-19	-19	PG	64-22
M5	BOLIVAR	SCOTT	91.08	33.60	43	-11	4	36	1	36	58	-11	-11	38	59	-19	-19	PG	64-22
M5	OKTIBBEHA	STATE UNIVERSITY	88.78	33.47	58	-12	4	36	2	36	58	-12	-12	40	61	-20	-20	PG	64-22
M5	WAYNE	STONE LINE	88.48	31.43	79	-9	7	35	1	35	57	-9	-9	37	59	-23	-23	PG	64-28
M5	WASHINGTON	STONEVILLE EXP STN	90.92	33.43	40	-11	4	36	2	36	58	-11	-11	40	61	-19	-19	PG	64-22
M5	TUNICA	TUNICA 2	90.38	34.68	58	-13	4	36	1	36	57	-13	-13	38	59	-21	-21	PG	64-22
M5	LEE	TUPELO WSO AP	88.73	34.27	110	-14	4	36	2	36	58	-14	-14	40	61	-22	-22	PG	64-22
M5	WALTHALL	TYLER TOWN 2 WNW	90.18	31.12	134	-9	3	36	1	36	58	-9	-9	38	60	-15	-15	PG	64-16
M5	LAFAYETTE	UNIVERSITY	89.53	34.38	116	-14	4	36	2	36	57	-14	-14	40	61	-22	-22	PG	64-22
M5	HINDS	UTICA	90.63	32.10	85	-10	3	36	2	36	58	-10	-10	40	62	-16	-16	PG	64-16
M5	WARREN	VICKSBURG MILITARY PK	90.85	32.35	79	-11	3	36	1	36	58	-11	-11	38	60	-17	-17	PG	64-22
M5	WARREN	VICKSBURG WB CITY	90.86	31.68	61	-11	3	36	1	36	58	-11	-11	38	60	-17	-17	PG	64-22
M5	YALOBUSHA	WATER VALLEY 1 NNE	89.63	34.17	116	-14	4	36	2	36	57	-14	-14	40	61	-22	-22	PG	64-22
M5	WAYNE	WAYNESBORO 2 W	88.67	31.68	76	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64-16
M5	STONE	WIGGINS	89.15	30.87	76	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64-16
M5	MONTGOMERY	WINONA 5 E	89.63	33.48	119	-14	4	35	2	35	57	-14	-14	39	60	-22	-22	PG	64-22
M5	WILKINSON	WOODVILLE 4 ESE	91.23	31.10	122	-9	3	35	1	35	57	-9	-9	37	59	-15	-15	PG	64-16
M5	YAZOO	YAZOO CITY	90.40	32.87	37	-10	3	37	2	37	59	-10	-10	41	62	-16	-16	PG	64-16
M5	YAZOO	YAZOO CITY 5 NNE	90.38	32.90	34	-11	3	36	1	36	58	-11	-11	38	60	-17	-17	PG	64-22
M5	SUMMIT	AKRON-CANTON WSO AP	81.43	40.92	369	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58-34
M5	ASHLAND	ASHLAND 2 SW	82.35	40.83	387	-22	3	32	2	32	52	-22	-22	36	56	-28	-28	PG	58-28
M5	ASHTABULA	ASHTABULA	80.80	41.85	210	-20	3	31	1	31	51	-20	-20	33	53	-26	-26	PG	58-34
M5	ATHENS	ATHENS 5 NW	82.18	39.38	210	-24	4	33	2	33	53	-24	-24	37	57	-32	-32	PG	58-34
M5	BELMONT	BARNESVILLE	81.15	39.98	381	-24	4	32	2	32	52	-24	-24	36	56	-32	-32	PG	58-34
M5	LOGAN	BELLEFONTAINE	83.77	40.35	363	-23	4	32	2	32	52	-23	-23	36	56	-31	-31	PG	58-34
M5	WOOD	BOWLING GREEN	83.62	41.38	207	-22	3	33	2	33	53	-22	-22	37	57	-28	-28	PG	58-28
M5	HARRISON	CADIZ	81.00	40.27	384	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58-34
M5	NOBLE	CALDWELL 6 NW	81.60	39.82	299	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58-28
M5	GUERNSEY	CAMBRIDGE	81.58	40.02	244	-22	3	32	1	32	52	-22	-22	34	54	-28	-28	PG	58-28
M5	MAHONING	CAMBRIDGE STATE HOSP	81.58	40.08	259	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58-34
M5	MAHONING	CANFIELD 1 S	80.77	41.02	348	-23	4	32	2	32	52	-23	-23	36	56	-31	-31	PG	58-34

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN PVT	MAX AIR	MIN PVT	MAX AIR	MIN PVT	MAX AIR	MIN PVT		
OH	MEIGS	CARPENTER 4 NW	82.28	39.20	268	-22	4	32	1	32	53	-22	-22	34	54	-30	-30	PG	58 -34
OH	MERCER	CELINA 3 NE	84.53	40.57	262	-23	4	32	2	32	52	-23	-23	36	56	-31	-31	PG	58 -34
OH	KNOX	CENTERBURG 2 SE	82.65	40.30	400	-24	4	31	1	31	51	-24	-24	33	53	-32	-32	PG	58 -34
OH	GEAUGA	CHARDON	81.18	41.58	345	-24	4	31	2	31	51	-24	-24	35	55	-32	-32	PG	58 -34
OH	ASHLAND	CHARLES MILL LAKE	82.97	40.73	314	-24	4	32	2	32	52	-24	-24	36	56	-32	-32	PG	58 -34
OH	ROSS	CHILLICOTHE	82.37	39.33	189	-19	4	34	2	34	54	-19	-19	38	58	-27	-27	PG	64 -28
OH	CLERMONT	CHILO MELDAHL LOCK & D	84.17	38.80	152	-20	4	33	2	33	54	-20	-20	37	57	-28	-28	PG	58 -28
OH	MEDINA	CHIPPewa LAKE	81.90	41.07	323	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	58 -34
OH	HAMILTON	CINCINNATI ABBE WSMO	84.43	39.15	232	-19	4	34	2	34	54	-19	-19	38	58	-27	-27	PG	64 -28
OH	HAMILTON	CIN MUNI LUNKEN FLD	84.43	39.10	150	-19	4	33	1	33	53	-19	-19	35	55	-27	-27	PG	58 -28
OH	PICKAWAY	CIRCLEVILLE	82.95	39.62	204	-21	4	33	2	33	53	-21	-21	37	57	-29	-29	PG	58 -34
OH	CUYAHOGA	CLEVELAND WSO AP	81.87	41.42	235	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58 -34
OH	FRANKLIN	COLUMBUS OHIO STN UNIV	83.02	40.00	232	-20	4	33	2	33	53	-20	-20	37	57	-28	-28	PG	58 -28
OH	FRANKLIN	COLUMBUS SULLIVANT AVE	83.12	39.95	268	-21	3	33	1	33	53	-21	-21	35	55	-27	-27	PG	58 -28
OH	FRANKLIN	COLUMBUS VLY CROSSING	82.90	39.90	229	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58 -34
OH	FRANKLIN	COLUMBUS WSO AP	82.88	40.00	247	-21	4	33	2	33	53	-21	-21	37	57	-29	-29	PG	58 -34
OH	COSHOCOTON	COLUMBUS	83.00	39.98	214	-18	4	33	2	33	53	-18	-18	37	57	-26	-26	PG	58 -28
OH	KNOX	COSHOCOTON 3 SSW	81.87	40.25	232	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58 -34
OH	MONTGOMERY	DANVILLE 2 W	82.30	40.43	296	-26	4	32	1	32	52	-26	-26	34	54	-34	-34	PG	64 -28
OH	MONTGOMERY	DAYTON WSCMO AP	84.18	39.77	229	-19	4	34	2	34	54	-19	-19	38	58	-27	-27	PG	58 -34
OH	DEFANCE	DAYTON WSCMO AP	84.20	39.90	305	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58 -34
OH	DEFANCE	DEFANCE	84.38	41.28	214	-23	3	33	2	33	53	-23	-23	37	57	-29	-29	PG	58 -34
OH	DELAWARE	DELAWARE	83.07	40.28	265	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58 -34
OH	DELAWARE	DELAWARE	83.07	40.28	265	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58 -34
OH	ASHTABULA	DORSET	81.35	40.40	259	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58 -34
OH	PREBLE	EATON	80.67	41.68	299	-26	3	31	1	31	51	-26	-26	33	53	-32	-32	PG	58 -34
OH	LOGAN	ELYRIA 3 E	84.63	39.73	305	-24	5	33	1	33	53	-24	-24	35	55	-34	-34	PG	58 -34
OH	HAMILTON	FERMBANK	82.07	41.38	223	-22	3	33	2	33	53	-22	-22	37	57	-28	-28	PG	58 -28
OH	HANCOCK	FINDLAY FAA AP	84.70	39.12	152	-19	3	33	2	33	53	-19	-19	37	57	-25	-25	PG	58 -28
OH	HANCOCK	FINDLAY WPC	83.67	41.05	235	-22	3	33	2	33	53	-22	-22	36	56	-28	-28	PG	58 -28
OH	WARREN	FRANKLIN	84.32	39.55	204	-22	4	33	1	33	53	-22	-22	37	57	-28	-28	PG	58 -28
OH	KNOX	FREDERICKTOWN 4 S	82.53	40.42	320	-24	4	32	2	32	52	-24	-24	36	56	-32	-32	PG	58 -34
OH	SANDUSKY	FREMONT	83.12	41.33	183	-22	6	32	2	32	52	-22	-22	36	56	-34	-34	PG	58 -34
OH	GALLIA	GALLIPOLIS	82.18	38.82	177	-20	4	34	2	34	54	-20	-20	38	58	-28	-28	PG	64 -28
OH	ASHTABULA	GENEVA 3 S	80.95	41.75	229	-19	3	31	2	31	51	-19	-19	35	55	-25	-25	PG	58 -28
OH	DARKE	GREENVILLE WATER PL	84.65	40.10	311	-23	4	32	2	32	52	-23	-23	36	56	-31	-31	PG	58 -34
OH	BUTLER	HAMILTON-FAIRFIELD	84.58	39.35	177	-21	4	34	2	34	54	-21	-21	38	58	-29	-29	PG	64 -34
OH	PORTAGE	HIRAM	81.15	41.30	375	-22	3	31	2	31	51	-22	-22	35	55	-28	-28	PG	58 -28
OH	WOOD	HOLGATE	84.15	41.25	217	-22	4	33	2	33	53	-22	-22	39	59	-30	-30	PG	64 -34
OH	UNION	HOYTVILLE 2 NE	83.77	41.22	214	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	58 -34
OH	JACKSON	IRWIN	83.48	40.12	308	-23	4	33	2	33	53	-23	-23	37	57	-31	-31	PG	58 -34
OH	JACKSON	JACKSON 2 NW	82.65	39.07	214	-23	5	33	2	33	53	-23	-23	37	57	-33	-33	PG	58 -34
OH	HARDIN	KENTON	83.60	40.65	305	-23	4	33	2	33	53	-23	-23	37	57	-31	-31	PG	58 -34
OH	FAIRFIELD	LANCASTER 2 NW	82.63	39.73	262	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58 -34
OH	MADISON	LONDON WATERWORKS	83.45	39.88	311	-23	4	33	2	33	53	-23	-23	37	57	-31	-31	PG	58 -34
OH	RICHLAND	MANSFIELD WSO AP	82.52	40.82	396	-22	4	31	2	31	51	-22	-22	35	55	-30	-30	PG	58 -34
OH	RICHLAND	MANSFIELD 5 W	82.62	40.77	412	-26	3	31	2	31	51	-26	-26	37	57	-25	-25	PG	58 -34
OH	WASHINGTON	MARIETTA SEWAGE TRMT PL	81.43	39.42	177	-19	3	33	2	33	53	-19	-19	37	57	-25	-25	PG	58 -28
OH	MARION	MARION 2 N	83.13	40.62	296	-23	4	33	2	33	53	-23	-23	35	55	-30	-30	PG	58 -34
OH	CLERMONT	MILFORD WATERWORKS	84.30	39.18	159	-22	6	33	1	33	53	-22	-22	37	57	-31	-31	PG	58 -34
OH	HOLMES	MILLERSBURG	81.92	40.55	250	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58 -34
OH	COLUMBIANA	MILLPORT 2 NW	80.90	40.72	351	-25	4	32	2	32	52	-25	-25	36	56	-33	-33	PG	58 -34
OH	TRUMBULL	MINERAL RIDGE WATER WKS	80.78	41.15	272	-22	4	33	1	33	53	-22	-22	35	55	-30	-30	PG	58 -34

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
OH	WILLIAMS	MONTPELIER	84.60	41.58	262	-23	4	33	2	33	53	-23	-23	37	57	-31	-31	PG	58 -34
OH	HENRY	NAPOLEON	84.12	41.38	207	-22	4	34	2	34	54	-22	-22	38	58	-30	-30	PG	58 -34
OH	HENRY	NAPOLEON WATERWORKS	84.13	41.38	207	-23	3	33	2	33	53	-23	-23	37	57	-29	-29	PG	58 -34
OH	LICKING	NEWARK WATERWORKS	82.42	40.08	256	-23	4	33	2	33	53	-23	-23	37	57	-31	-31	PG	58 -34
OH	PERRY	NEW LEXINGTON 2 NW	82.22	39.73	272	-24	4	33	2	33	53	-24	-24	37	57	-32	-32	PG	58 -34
OH	TUSCARAWAS	NEW PHILADELPHIA	81.45	40.50	274	-22	6	32	1	32	52	-22	-22	34	54	-34	-34	PG	58 -34
OH	HURON	NORWALK WEST WTR TRT PL	82.62	41.27	204	-23	4	33	2	33	53	-23	-23	37	57	-31	-31	PG	58 -34
OH	LOGAN	OVERLIN	82.22	41.27	250	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58 -34
OH	LAKE	PAINESVILLE 4 NW	81.30	41.75	183	-19	3	30	1	30	50	-19	-19	32	52	-25	-25	PG	52 -28
OH	PUTNAM	PANDORA	83.97	40.95	235	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	58 -34
OH	PAULDING	PAULDING	84.60	41.12	223	-24	3	33	2	33	53	-24	-24	37	57	-30	-30	PG	58 -34
OH	ADAMS	PEEBLES	83.42	38.95	247	-22	4	33	1	33	54	-22	-22	35	55	-30	-30	PG	58 -34
OH		PEEBLES 1 S	83.42	38.93	253	-21	5	34	2	34	54	-21	-21	38	58	-31	-31	PG	64 -34
OH	MUSKINGUM	PHILO	81.90	39.87	229	-21	4	34	2	34	54	-21	-21	38	58	-29	-29	PG	64 -34
OH	MUSKINGUM	PHILO 3 SW	81.92	39.83	311	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58 -34
OH	RICHLAND	PLYMOUTH 2 WSW	82.70	40.98	293	-23	4	32	2	32	52	-23	-23	36	56	-31	-31	PG	58 -34
OH	SCIOTO	PORTSMOUTH	82.88	38.75	165	-18	4	34	2	34	55	-18	-18	38	58	-26	-26	PG	64 -28
OH	OTTAWA	PUT IN BAY PERRY MON	82.80	41.65	177	-19	4	32	2	32	52	-19	-19	36	56	-27	-27	PG	58 -28
OH	BROWN	RIPEY EXP FARM	83.80	38.78	258	-22	4	32	1	32	53	-22	-22	34	55	-30	-30	PG	58 -28
OH	ERIE	SANDUSKY	82.72	41.45	177	-20	4	32	2	32	52	-20	-20	36	56	-28	-28	PG	58 -28
OH	GUERNSEY	SENECAVILLE LAKE	81.43	39.92	268	-23	4	32	2	32	52	-23	-23	36	56	-31	-31	PG	58 -34
OH	SHELBY	SIDNEY 2 N	84.17	40.32	317	-23	3	33	2	33	53	-23	-23	37	57	-29	-29	PG	58 -28
OH	CLARK	SPRINGFIELD	83.82	39.92	311	-19	3	33	2	33	53	-19	-19	34	54	-32	-32	PG	58 -34
OH	JEFFERSON	SPRINGFIELD NEW WTR WKS	83.82	39.97	284	-24	4	32	1	32	52	-24	-24	37	57	-28	-28	PG	58 -28
OH	SENECA	STUEBENVILLE	80.63	40.38	302	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58 -34
OH	LUCAS	TIFFIN	83.18	41.12	226	-22	3	33	2	33	53	-22	-22	37	57	-28	-28	PG	58 -28
OH	LUCAS	TOLEDO EXPRESS WSO AP	83.80	41.58	204	-24	3	32	2	32	52	-24	-24	36	56	-30	-30	PG	58 -34
OH	LUCAS	TOLEDO BLADE	83.53	41.65	183	-19	4	34	2	34	54	-19	-19	38	58	-27	-27	PG	58 -28
OH	ATHENS	TOM JENKINS LAKE	82.07	39.55	232	-25	4	32	2	32	52	-25	-25	36	56	-33	-33	PG	58 -34
OH	WYANDOT	UPPER SANDUSKY	83.28	40.83	259	-22	3	33	2	33	53	-22	-22	37	57	-28	-28	PG	58 -28
OH	CHAMPAIGN	URBANA WWTP	83.78	40.12	305	-23	4	33	2	33	53	-23	-23	37	57	-31	-31	PG	58 -34
OH	VAN WERT	VAN WERT	84.57	40.83	244	-22	3	33	2	33	53	-22	-22	37	57	-28	-28	PG	58 -28
OH	TRUMBULL	WARREN 3 S	80.82	41.20	274	-23	4	32	2	32	52	-23	-23	36	56	-31	-31	PG	58 -34
OH	FAYETTE	WASHINGTON COURT HOUSE	83.42	39.52	293	-21	4	32	2	32	52	-21	-21	36	56	-29	-29	PG	58 -34
OH	FLTON	WAUSEON WATER PLANT	84.15	41.52	229	-24	4	33	2	33	53	-24	-24	37	57	-32	-32	PG	58 -34
OH	PIKE	WAVERLY	82.98	39.12	171	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58 -34
OH	FRANKLIN	WESTERVILLE	82.95	40.13	247	-24	5	33	2	33	53	-24	-24	37	57	-34	-34	PG	58 -34
OH	CLINTON	WILMINGTON 3 N	83.82	39.48	314	-22	4	33	2	33	53	-22	-22	37	57	-30	-30	PG	58 -34
OH	WAYNE	WOOSTER EXP STATION	81.92	40.78	311	-23	3	32	2	32	52	-23	-23	36	56	-29	-29	PG	58 -34
OH	GREENE	XENIA 6 SSE	83.90	39.62	296	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58 -34
OH	TRUMBULL	YOUNGSTOWN WSO AP	80.67	41.25	360	-22	3	31	2	31	51	-22	-22	35	55	-28	-28	PG	58 -34
OH	MUSKINGUM	ZANESVILLE FAA AP	81.90	39.95	268	-22	4	32	2	32	52	-22	-22	36	56	-30	-30	PG	58 -34
TN	FENTRESS	ALLARDT	84.87	36.38	512	-21	4	32	2	32	52	-21	-21	36	57	-29	-29	PG	58 -34
TN	SULLIVAN	BRISTOL WSO AP	82.40	36.48	467	-18	4	32	2	32	53	-18	-18	36	57	-26	-26	PG	58 -28
TN	HAYWOOD	BROWNSVILLE	89.25	35.58	101	-15	4	36	2	36	57	-15	-15	40	61	-23	-23	PG	64 -28
TN	SMITH	CARTHAGE	85.97	36.27	159	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	64 -28
TN	DE KALB	CENTER HILL DAM	85.82	36.10	177	-17	4	35	2	35	56	-17	-17	39	60	-25	-25	PG	64 -28
TN	HICKMAN	CENTERVILLE WATER PL	87.45	35.75	201	-20	4	34	2	34	55	-20	-20	38	59	-28	-28	PG	64 -28
TN	HAMILTON	CHATTANOOGA WSO AP	85.20	35.03	207	-13	4	35	2	35	56	-13	-13	39	60	-21	-21	PG	64 -22
TN		CHATTANOOGA WB CITY	85.30	35.07	210	-12	3	35	2	35	56	-12	-12	39	60	-18	-18	PG	64 -22
TN	MONTGOMERY	CLARKSVILLE SEW PLT	87.37	36.55	116	-18	4	35	2	35	56	-18	-18	39	60	-26	-26	PG	64 -28
TN	BRADLEY	CLEVELAND 6 NNE	84.83	35.23	250	-16	4	34	2	34	55	-16	-16	38	59	-24	-24	PG	64 -28
TN	MAURY	COLUMBIA 3 WNW	87.08	35.63	198	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	64 -28

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		PG	HT	LT	PG
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT				
TN	PUTNAM	COCKEVILLE	85.50	36.13	332	-18	8	33	2	33	54	-18	-18	37	58	-34	-34	PG	58	-34	PG
TN	POLK	COPPERHILL	84.38	35.00	470	-16	4	33	2	33	54	-16	-16	37	58	-24	-24	PG	58	-24	PG
TN	TOPTON	COVINGTON 1W	89.67	35.57	95	-14	4	36	2	36	57	-14	-14	40	61	-22	-22	PG	61	-22	PG
TN	CUMBERLAND	CROSSVILLE FAA AP	85.08	35.95	573	-20	4	32	2	32	53	-20	-20	36	57	-28	-28	PG	57	-28	PG
TN	CLAY	DALE HOLLOW DAM	85.45	36.53	171	-18	7	34	2	34	55	-18	-18	38	59	-32	-32	PG	59	-32	PG
TN	RHEA	DAYTON	85.03	35.48	253	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	59	-25	PG
TN	DICKSON	DICKSON	87.38	36.07	238	-18	5	35	2	35	56	-18	-18	39	60	-28	-28	PG	60	-28	PG
TN	STEWART	DOVER 1W	87.85	36.48	146	-19	4	35	2	35	56	-19	-19	39	60	-27	-27	PG	60	-27	PG
TN	WEAKLEY	DRESDEN	88.70	36.28	137	-19	4	35	2	35	56	-19	-19	39	60	-27	-27	PG	60	-27	PG
TN	DYER	DYERSBURG FAA AP	89.40	36.02	104	-15	4	35	2	35	56	-15	-15	39	60	-23	-23	PG	60	-23	PG
TN	WILLIAMSON	FRANKLIN SEWAGE PLANT	86.87	35.93	201	-17	4	35	2	35	56	-17	-17	39	60	-25	-25	PG	60	-25	PG
TN	GREENE	GREENEVILLE EXP STN	82.85	36.10	403	-19	5	33	2	33	54	-19	-19	37	58	-29	-29	PG	58	-29	PG
TN	CARROLL	HUNTINGTON WATER PLT	88.42	36.00	134	-18	5	35	1	35	56	-18	-18	37	58	-28	-28	PG	58	-28	PG
TN	MADISON	JACKSON FAA AP	88.92	35.60	131	-16	4	36	2	36	57	-16	-16	40	61	-24	-24	PG	61	-24	PG
TN	CHEATHAM	KINGSTON SPRINGS	87.12	36.10	140	-21	5	34	2	34	55	-21	-21	38	59	-31	-31	PG	59	-31	PG
TN	KNOX	KNOXVILLE U OF TENN	83.92	35.95	274	-14	4	34	2	34	55	-14	-14	38	59	-22	-22	PG	59	-22	PG
TN	MAON	LAFAYETTE	86.03	36.52	299	-20	4	34	2	34	55	-20	-20	38	59	-28	-28	PG	59	-28	PG
TN	LAWRENCE	LAWRENCEBURG FILT PL	87.35	35.25	265	-17	4	34	1	34	55	-17	-17	36	57	-25	-25	PG	57	-25	PG
TN	WILSON	LEBANON 3W	86.33	36.22	165	-19	4	35	2	35	56	-19	-19	39	60	-27	-27	PG	60	-27	PG
TN	LOUDON	LENOIR CITY	84.25	35.80	241	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	59	-25	PG
TN	MARSHALL	LEWISBURG EXP STN	86.80	35.45	241	-17	4	35	2	35	56	-17	-17	39	60	-25	-25	PG	60	-25	PG
TN	HENDERSON	LEXINGTON	88.42	35.67	165	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	59	-25	PG
TN	PERRY	LINDEN 2	87.83	35.62	152	-18	5	34	2	34	55	-18	-18	38	59	-28	-28	PG	59	-28	PG
TN	OVERTON	LIVINGSTON RADIO WLIV	85.33	36.38	299	-21	4	33	2	33	54	-21	-21	37	58	-29	-29	PG	58	-29	PG
TN	GILES	LOUDON 1E	84.33	35.73	244	-14	3	36	2	36	57	-14	-14	40	61	-20	-20	PG	61	-20	PG
TN	WEAKLEY	LYNNVILLE 4 SSW	87.05	35.33	223	-17	4	36	2	36	57	-17	-17	40	61	-25	-25	PG	61	-25	PG
TN	WARREN	MARTIN U OF TENN BR	88.87	36.33	104	-17	5	35	2	35	56	-17	-17	39	60	-27	-27	PG	60	-27	PG
TN	SHELBY	MC MINNIVILLE	85.80	35.68	287	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	59	-25	PG
TN	GIBSON	MEMPHIS FAA-AP	90.00	35.05	82	-13	4	36	2	36	57	-13	-13	40	61	-21	-21	PG	61	-21	PG
TN	MAURY	MEMPHIS P O BUILDING	90.05	35.15	82	-12	4	35	2	35	56	-12	-12	39	60	-20	-20	PG	60	-20	PG
TN	GRUNDY	MILAN	88.83	35.98	143	-17	5	36	2	36	57	-17	-17	40	61	-27	-27	PG	61	-27	PG
TN	FAYETTE	MONSANTO	87.12	35.67	192	-16	4	34	2	34	55	-16	-16	38	59	-24	-24	PG	59	-24	PG
TN	JOHNSON	MONTAGLE	85.83	35.25	589	-17	4	32	2	32	53	-17	-17	36	57	-25	-25	PG	57	-25	PG
TN	MAURY	MOSCOW	89.40	35.07	104	-14	4	35	2	35	56	-14	-14	39	60	-22	-22	PG	60	-22	PG
TN	RUTHERFORD	MOUNTAIN CITY 2	81.80	36.48	744	-22	4	31	1	31	52	-22	-22	33	54	-30	-30	PG	54	-30	PG
TN	DYER	MOUNT PLEASANT 2 SW	87.23	35.52	220	-17	4	35	2	35	56	-17	-17	39	60	-26	-26	PG	60	-26	PG
TN	ANDERSON	MURFREESBORO 5 N	86.37	35.92	168	-18	4	35	2	35	56	-18	-18	39	60	-27	-27	PG	60	-27	PG
TN	ANDERSON	NEWBORN	89.27	36.12	113	-17	5	35	2	35	56	-17	-17	39	60	-27	-27	PG	60	-27	PG
TN	ANDERSON	NORRIS	84.05	36.22	339	-18	4	33	2	33	54	-18	-18	37	58	-26	-26	PG	58	-26	PG
TN	ANDERSON	OAK RIDGE ATDL	84.23	36.02	278	-16	4	34	2	34	55	-16	-16	38	59	-24	-24	PG	59	-24	PG
TN	SCOTT	ONEIDA	84.53	36.50	439	-23	4	32	1	32	53	-23	-23	34	55	-31	-31	PG	55	-31	PG
TN	BEDFORD	PALMETTO	86.58	35.48	235	-17	5	35	2	35	56	-17	-17	39	60	-27	-27	PG	60	-27	PG
TN	BLEDSOE	PIKEVILLE	85.20	35.62	268	-17	4	34	2	34	55	-17	-17	38	59	-25	-25	PG	59	-25	PG
TN	GILES	PORTLAND SEWAGE PLANT	86.53	36.58	241	-19	5	34	1	34	55	-19	-19	36	57	-29	-29	PG	57	-29	PG
TN	LAUDERDALE	PULASKI WATER PLANT	87.03	35.20	198	-17	4	35	1	35	56	-17	-17	37	58	-24	-24	PG	58	-24	PG
TN	ROANE	RIPELY	89.53	35.75	104	-16	4	35	1	35	56	-16	-16	37	58	-24	-24	PG	58	-24	PG
TN	OBION	ROCKWOOD 2	84.70	35.85	262	-18	3	34	2	34	55	-18	-18	40	61	-24	-24	PG	61	-24	PG
TN	HARDIN	SAMBURG WILDLIFE HFG	89.32	36.45	95	-16	4	36	2	36	57	-16	-16	41	62	-24	-24	PG	62	-24	PG
TN	MCMINRY	SAVANNAH 6 SW	88.32	35.15	128	-16	4	37	2	37	58	-16	-16	41	62	-24	-24	PG	62	-24	PG
TN	SEVIER	SELMER	80.62	35.17	143	-18	4	35	2	35	56	-18	-18	39	60	-26	-26	PG	60	-26	PG
TN	SEVIER	SEVERVILLE 1 SE	83.55	35.87	284	-19	5	33	2	33	54	-19	-19	37	58	-29	-29	PG	58	-29	PG
TN	SEVIER	SHELBYVILLE 3	86.45	35.48	241	-17	4	35	2	35	56	-17	-17	39	60	-25	-25	PG	60	-25	PG
TN	WHITE	SPARTA	85.45	35.93	284	-19	4	33	2	33	54	-19	-19	37	58	-27	-27	PG	58	-27	PG

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
WI	IRON	GURNEY	90.50	46.47	299	-32	3	30	2	30	49	-32	-33	34	52	-38	-38	PG	58 -40
WI	WAUSHARA	HANCOCK EXP FARM	89.53	44.12	329	-33	3	33	2	33	52	-33	-33	37	56	-39	-39	PG	58 -40
WI	WASHINGTON	HARTFORD 2 W	88.40	43.32	299	-29	4	32	2	32	51	-29	-29	36	55	-37	-37	PG	58 -40
WI	JACKSON	HATFIELD HYDRO PLANT	90.73	44.40	290	-36	4	33	2	33	52	-36	-36	37	56	-44	-44	PG	58 -46
WI	VERNON	HILLSBORO	90.33	43.65	287	-33	4	32	1	32	51	-33	-33	34	53	-41	-41	PG	58 -46
WI	CHIPPewa	HOLCOMBE	91.13	45.22	314	-35	4	31	2	31	50	-35	-35	35	54	-43	-43	PG	58 -46
WI	ROCK	JANESVILLE	89.02	42.67	232	-26	3	33	2	33	53	-26	-26	37	56	-32	-32	PG	58 -34
WI	TAYLOR	JUMP RIVER 3 E	90.77	45.37	387	-37	4	30	2	30	49	-37	-37	34	53	-45	-45	PG	58 -46
WI	KENOSHA	KENOSHA	87.78	42.55	183	-25	4	31	2	31	51	-25	-25	35	55	-33	-33	PG	58 -34
WI	KENAUWEE	KENAUWEE S	87.52	44.43	198	-27	4	29	2	29	48	-27	-27	33	52	-35	-35	PG	58 -40
WI	LA CROSSE	LA CROSSE FAA AP	91.25	43.87	198	-30	4	33	2	33	52	-30	-30	37	56	-38	-38	PG	58 -40
WI	RUSK	LADYSMITH	91.08	45.47	354	-33	4	30	1	30	49	-33	-33	32	51	-41	-41	PG	58 -46
WI	WELFORTH	LAKE GENEVA	88.43	42.60	268	-26	3	33	2	33	53	-26	-26	36	55	-34	-34	PG	58 -34
WI	JEFFERSON	LAKE MILLS	88.92	43.07	259	-28	3	32	2	32	51	-28	-28	36	55	-34	-34	PG	58 -34
WI	GRANT	LANCASTER 4 WSW	90.78	42.83	317	-28	3	32	2	32	52	-28	-28	32	51	-40	-40	PG	58 -40
WI	FOREST	LAONA 6 SW	88.75	45.52	467	-32	4	28	2	28	47	-32	-32	32	51	-44	-44	PG	58 -46
WI	SAUK	LONE ROCK FAA AP	90.18	43.20	217	-32	6	32	2	32	51	-32	-32	33	52	-42	-42	PG	58 -46
WI	ONEIDA	LONG LAKE DAM	89.13	45.90	497	-36	3	29	2	29	48	-36	-36	32	50	-37	-37	PG	58 -40
WI	ASHLAND	MADELINE ISLAND	90.63	46.83	189	-29	4	28	2	28	46	-29	-29	36	55	-36	-36	PG	58 -40
WI	DANE	MADISON WSO AP	89.33	43.13	262	-28	4	32	2	32	51	-28	-28	34	53	-32	-32	PG	58 -34
WI		MADISON WB CITY	89.40	43.08	287	-26	3	32	2	32	51	-26	-26	36	55	-33	-33	PG	58 -34
WI	MANITOWOC	MANITOWOC	87.68	44.10	201	-26	3	30	2	30	49	-26	-26	34	53	-32	-32	PG	58 -34
WI	MARINETTE	MARINETTE	87.63	45.10	186	-27	3	32	2	32	51	-27	-27	35	54	-38	-38	PG	58 -40
WI	WOOD	MARSHFIELD EXP FARM	90.13	44.65	381	-32	4	32	2	32	51	-32	-32	36	55	-40	-40	PG	58 -40
WI	JACKSON	MATHER 3 NW	90.37	44.18	296	-32	4	32	2	32	51	-32	-32	36	55	-42	-42	PG	58 -46
WI	JUNEAU	MAUSTON 1 SE	90.07	43.78	265	-30	6	32	2	32	51	-30	-30	36	55	-39	-39	PG	58 -40
WI	TAYLOR	MEDFORD	90.35	45.13	448	-33	3	29	2	29	48	-33	-33	33	52	-44	-44	PG	58 -46
WI	ASHLAND	MELLEN 4 NE	90.62	46.43	396	-36	4	30	2	30	49	-36	-36	34	52	-44	-44	PG	58 -40
WI	DUNN	MENOMONEE	91.93	44.88	238	-32	3	33	2	33	52	-32	-32	37	56	-38	-38	PG	58 -40
WI	LINCOLN	MERRILL	89.68	45.18	381	-33	4	31	2	31	50	-33	-33	35	54	-41	-41	PG	58 -46
WI	MILWAUKEE	MILWAUKEE MT MARY COL	88.03	43.07	220	-26	3	32	2	32	51	-26	-26	36	55	-32	-32	PG	58 -34
WI	MILWAUKEE	MILWAUKEE WSO AP	87.90	42.95	204	-25	4	31	2	31	51	-25	-25	35	54	-33	-33	PG	58 -34
WI	ONEIDA	MINOCQUA DAM	88.73	45.88	485	-36	4	30	2	30	49	-36	-36	34	53	-44	-44	PG	58 -46
WI	WASHBURN	MINONG 5 WSW	91.92	46.08	329	-38	6	31	2	31	50	-38	-38	35	53	-50	-50	PG	58 -52
WI	BUFFALO	MONDOVI	91.68	44.57	253	-33	4	32	2	32	51	-33	-33	36	55	-41	-41	PG	58 -46
WI	MARQUETTE	MONTELLO	89.30	43.78	238	-29	4	32	2	32	51	-29	-29	36	55	-37	-37	PG	58 -40
WI	JUNEAU	NECEDAH	90.08	44.03	284	-34	4	32	2	32	51	-34	-34	36	55	-42	-42	PG	58 -46
WI	CLARK	NEILLSVILLE 3 SW	90.63	44.53	320	-34	4	29	2	29	48	-34	-34	33	52	-43	-43	PG	58 -40
WI	FOREST	NEWALD 4 N	88.70	45.78	470	-35	4	29	2	29	48	-35	-35	36	55	-36	-36	PG	58 -40
WI	WAUPACA	NEWLONDON	88.73	44.38	232	-30	3	32	2	32	51	-30	-30	32	51	-42	-42	PG	58 -40
WI	ONEIDA	NORTH PELICAN	89.25	45.63	491	-34	4	28	2	28	47	-34	-34	32	51	-35	-35	PG	58 -40
WI	WAUKESHA	OCCONOMOC	88.50	43.10	262	-27	4	32	2	32	51	-27	-27	36	55	-36	-36	PG	58 -40
WI	OCCONTO	OCCONTO 4 W	87.95	44.90	201	-28	4	31	2	31	50	-28	-28	35	54	-34	-34	PG	58 -34
WI	WINNEBAGO	OSHKOSH	88.55	44.03	229	-28	3	31	2	31	50	-28	-28	35	54	-34	-34	PG	58 -40
WI	CLARK	OWEN	90.53	44.95	378	-34	3	30	2	30	49	-34	-34	34	53	-40	-40	PG	58 -40
WI	PRICE	PARK FALLS	90.45	45.93	464	-33	3	29	2	29	48	-33	-33	33	52	-39	-39	PG	58 -40
WI	WAUSHARA	PINE RIVER 3 NE	89.03	44.18	274	-29	3	32	2	32	51	-29	-29	36	55	-35	-35	PG	58 -46
WI	WOOD	PITTSVILLE	90.13	44.43	314	-33	4	31	1	31	50	-33	-33	33	52	-41	-41	PG	58 -46
WI	GRANT	PLATTEVILLE	90.48	42.75	311	-28	3	32	2	32	52	-28	-28	36	55	-34	-34	PG	58 -40
WI	COLUMBIA	PORTAGE	89.43	43.52	244	-29	3	32	2	32	51	-29	-29	36	55	-35	-35	PG	58 -40
WI	OZAUKEE	PORT WASHINGTON	87.87	43.38	183	-26	3	29	2	29	49	-26	-26	33	52	-32	-32	PG	58 -34
WI	BAYFELD	PORT WING 3 E	91.37	46.77	259	-31	4	29	2	29	47	-31	-31	33	51	-39	-39	PG	58 -40
WI	CRAWFORD	PRAIRIE DU CHIEN	91.15	43.03	201	-29	4	34	2	34	53	-29	-29	38	57	-37	-37	PG	58 -40

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW	STD	AVG	STD	TEMPERATURES				TEMPERATURES				PG	HT
										MAX AIR	MIN	PVT	MIN	MAX AIR	MIN	PVT	MIN		
WI	SAUK	PRAIRIE DU SAC 2 N	89.73	43.32	238	-28	5	32	2	32	51	-28	-28	36	55	-38	-38	PG	58
WI	PRICE	PRENTICE 2	90.28	45.52	470	-37	4	29	2	29	48	-37	-37	33	52	-45	-45	PG	52
WI	RACINE	RACINE	87.77	42.70	183	-25	4	31	2	31	51	-25	-25	35	54	-33	-33	PG	58
WI	ONEIDA	RAINBOW RESERVOIR	89.55	45.83	488	-34	4	29	2	29	48	-34	-34	33	52	-42	-42	PG	52
WI	SAUK	REEDSBURG	90.02	43.53	278	-31	4	32	2	32	51	-31	-31	36	55	-39	-39	PG	58
WI	VILAS	REST LAKE	89.88	46.13	488	-35	3	29	2	29	48	-35	-35	33	52	-41	-41	PG	52
WI	ONEIDA	RHINELANDER	89.42	45.63	482	-33	3	30	2	30	49	-33	-33	34	53	-39	-39	PG	58
WI	BARRON	RICE LAKE	91.73	45.50	345	-35	4	31	2	31	50	-35	-35	35	54	-43	-43	PG	58
WI	RICHMOND	RICHLAND CENTER	90.38	43.33	223	-31	4	33	2	33	52	-31	-31	37	56	-39	-39	PG	58
WI	BARRON	RIDGELAND 1 NNE	91.88	45.22	293	-36	4	31	2	31	50	-36	-36	35	54	-44	-44	PG	58
WI	PIERCE	RIVER FALLS	92.62	44.87	274	-33	3	32	2	32	51	-33	-33	36	55	-39	-39	PG	58
WI	MARATHON	ROSHOLT 9 NNE	89.25	44.77	354	-32	4	31	2	31	50	-32	-32	35	54	-40	-40	PG	58
WI	POLK	ST CROIX FALLS	92.65	45.42	235	-35	3	32	2	32	51	-35	-35	36	55	-41	-41	PG	58
WI	SHAWANO	SHAWANO	88.62	44.77	247	-30	4	32	2	32	51	-30	-30	36	55	-38	-38	PG	58
WI	SHEBOYGAN	SHEBOYGAN	87.72	43.75	198	-25	3	31	2	31	50	-25	-25	35	54	-31	-31	PG	58
WI	DOUGLAS	SOLO SPRINGS	91.82	46.35	329	-37	4	31	2	31	50	-37	-37	35	53	-45	-45	PG	58
WI	MONROE	SPARTA	90.82	43.93	238	-33	4	32	2	32	51	-33	-33	36	55	-41	-41	PG	58
WI	WASHBURN	SPOONER EXP FARM	91.88	45.82	336	-36	3	32	2	32	51	-36	-36	36	54	-42	-42	PG	58
WI	CHIPPewa	STANLEY	90.93	44.97	342	-33	4	31	2	31	50	-33	-33	35	54	-41	-41	PG	58
WI	PORTAGE	STEVENS POINT	89.57	44.50	329	-31	3	31	2	31	50	-31	-31	35	54	-37	-37	PG	58
WI	DANE	STOUGHTON	89.22	42.92	256	-27	4	31	2	31	51	-27	-27	35	54	-35	-35	PG	58
WI	DOOR	STURGEON BAY	87.33	44.87	201	-27	3	30	2	30	49	-27	-27	34	53	-33	-33	PG	58
WI	DOUGLAS	SUPERIOR	92.02	46.70	192	-33	3	29	2	29	47	-33	-33	33	51	-39	-39	PG	52
WI	LINCOLN	TOMAHAWK SPIRIT RES	89.75	45.43	439	-35	4	29	2	29	48	-35	-35	33	52	-43	-43	PG	52
WI	TREMPEALEAU	TREMPEALEAU DAM 6	91.43	44.00	201	-31	7	32	1	32	51	-31	-31	34	53	-45	-45	PG	58
WI	MANITOWOC	TWO RIVERS	87.57	44.15	183	-26	3	28	2	28	47	-26	-26	32	51	-32	-32	PG	52
WI	VERNON	VIROQUA 2 NW	90.90	43.57	366	-31	4	32	2	32	51	-31	-31	36	55	-39	-39	PG	58
WI	DOOR	WASHINGTON ISLAND	86.93	45.37	186	-25	4	28	2	28	47	-25	-25	32	51	-33	-33	PG	52
WI	JEFFERSON	WATERTOWN	88.73	43.18	250	-27	4	33	2	33	52	-27	-27	37	56	-35	-35	PG	58
WI	WAUKESHA	WAUKESHA	88.23	43.02	262	-25	4	32	2	32	51	-25	-25	36	55	-33	-33	PG	58
WI	WAUPACA	WAUPACA	89.07	44.35	256	-29	3	32	2	32	51	-29	-29	36	55	-35	-35	PG	58
WI	MARATHON	WAUSAU FAA AP	89.62	44.92	366	-31	3	31	2	31	50	-31	-31	35	54	-37	-37	PG	58
WI	MILWAUKEE	WEST ALLIS	87.98	43.02	220	-24	3	32	2	32	51	-24	-24	36	55	-30	-30	PG	58
WI	WASHINGTON	WEST BEND	88.18	43.40	287	-27	4	32	2	32	51	-27	-27	36	55	-35	-35	PG	58
WI	RUSK	WEYERHAEUSER	91.38	45.42	366	-34	3	31	2	31	50	-34	-34	35	54	-40	-40	PG	58
WI	WALWORTH	WHITEWATER	88.73	42.85	244	-27	4	33	2	33	52	-27	-27	37	56	-35	-35	PG	58
WI	ONEIDA	WILLOW RESERVOIR	89.85	45.72	476	-36	3	29	1	29	48	-36	-36	31	50	-42	-42	PG	52
WI	SAWYER	WINTER 6 NNNW	91.07	45.88	400	-35	6	29	1	29	48	-35	-35	31	50	-47	-47	PG	52
WI	WOOD	WISCONSIN RAPIDS	89.80	44.38	317	-31	4	32	2	32	51	-31	-31	36	55	-39	-39	PG	58
WI	MERCER	ATHENS CONCORD COLLEGE	81.00	37.43	778	-21	4	30	1	30	51	-21	-21	32	53	-29	-29	PG	58
WI	GRANT	BAYARD	79.37	39.27	726	-24	3	29	2	29	50	-24	-24	33	53	-30	-30	PG	58
WI	RALEIGH	BECKLEY V A HOSPITAL	81.18	37.78	711	-23	4	29	2	29	50	-23	-23	33	54	-31	-31	PG	58
WI	RALEIGH	BECKLEY WSO AP	81.12	37.78	762	-22	4	29	1	29	50	-22	-22	31	52	-30	-30	PG	52
WI	BARBOUR	BELINGTON	79.95	39.03	518	-22	4	31	1	31	52	-22	-22	33	54	-30	-30	PG	58
WI	TYLER	BENS RUN 1 SSE	81.10	39.47	195	-19	6	33	2	33	53	-19	-19	37	57	-31	-31	PG	58
WI	MORGAN	BERKELEY SPRINGS	78.22	39.62	223	-19	3	34	2	34	54	-19	-19	38	58	-25	-25	PG	64
WI	MERCER	BLUEFIELD FAA AIRPORT	81.22	37.30	875	-21	4	28	2	28	49	-21	-21	32	53	-29	-29	PG	58
WI	SUMMERS	BLUESTONE LAKE	80.88	37.65	424	-18	3	32	2	32	53	-18	-18	36	57	-24	-24	PG	58
WI	PRESTON	BRANDONVILLE	79.62	39.67	549	-23	4	30	2	30	50	-23	-23	34	54	-31	-31	PG	58
WI	POCAHONTAS	BUCKEYE 1 SE	80.13	38.17	640	-26	3	31	1	31	52	-26	-26	33	54	-32	-32	PG	58
WI	UPSHUR	BUCKHANNON 2 W	80.27	39.00	442	-23	4	32	2	32	53	-23	-23	36	56	-31	-31	PG	58
WI	RITCHIE	CAIRO 3 S	81.17	39.17	207	-21	5	33	2	33	53	-21	-21	37	57	-31	-31	PG	58
WI	TUCKER	CANAAN VALLEY	79.43	39.05	991	-26	3	28	1	28	49	-26	-26	30	51	-32	-32	PG	52

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY			BINDER GRADE			98% RELIABILITY			BINDER GRADE		
						LOW TEMP	STD	HIGH TEMP	MAX AIR	MIN PVT	MIN AIR	PG	HT	LT	MAX AIR	MIN PVT	MIN AIR	PG	HT	LT
WV KANAWHA		CHARLESTON WSO AP	81.60	38.37	311	-18	4	33	2	33	54	-18	-17	-17	37	57	-26	PG	58	-28
WV KANAWHA		CHARLESTON 1	81.65	38.35	183	-17	3	34	2	34	55	-17	-17	-17	38	58	-23	PG	64	-28
WV HARRISON		CLARKSBURG 1	80.35	39.27	290	-21	4	33	2	33	53	-21	-21	-21	37	57	-29	PG	58	-34
WV KANAWHA		CORTON	81.27	38.48	195	-20	3	33	1	33	54	-20	-20	-20	35	56	-26	PG	58	-28
WV WIRT		CRESTON	81.28	38.95	198	-22	5	33	2	33	54	-22	-22	-22	37	57	-32	PG	58	-34
WV RANDOLPH		ELKINS WSO AP	79.85	38.88	607	-23	4	30	2	30	51	-23	-23	-23	34	55	-31	PG	58	-34
WV MARION		FAIRMONT	80.13	39.47	396	-19	4	33	2	33	53	-19	-19	-19	37	57	-27	PG	58	-28
WV SUMMERS		FLAT TOP	81.10	37.58	1019	-22	4	27	2	27	48	-22	-22	-22	31	52	-30	PG	52	-34
WV PENDLETON		FRANKLIN 2 NE	79.32	38.67	580	-21	3	32	2	32	53	-21	-21	-21	36	56	-27	PG	58	-28
WV BRAXTON		GASSAWAY	80.77	38.67	256	-21	4	33	2	33	54	-21	-21	-21	37	57	-29	PG	58	-34
WV GILMER		GLENVILLE 1 ENE	80.82	38.93	220	-21	4	33	2	33	54	-21	-21	-21	37	57	-29	PG	58	-34
WV CALHOUN		GRANTSVILLE 2 NW	81.10	38.93	223	-20	4	33	2	33	54	-20	-20	-20	37	57	-28	PG	58	-28
WV LINCOLN		HAMLIN	82.10	38.28	195	-21	4	33	2	33	54	-21	-21	-21	37	57	-28	PG	58	-34
WV MASON		HOGSETT GALLIPOLIS DAM	82.18	38.68	174	-20	4	33	2	33	54	-20	-20	-20	37	57	-28	PG	58	-28
WV		HUNTINGTON 1	82.37	38.42	207	-17	4	35	2	35	56	-17	-17	-17	39	59	-25	PG	64	-28
WV WAYNE		HUNTINGTON WSO AP	82.55	38.37	253	-20	4	33	2	33	54	-20	-20	-20	37	57	-25	PG	58	-28
WV WAYNE		HUNTINGTON SEW TRMT PLT	82.50	38.42	159	-17	4	33	2	33	54	-17	-17	-17	37	57	-25	PG	58	-28
WV JEFFERSON		KEARNEYVILLE WSO	77.88	39.38	168	-19	4	33	2	33	53	-19	-19	-19	37	57	-27	PG	58	-28
WV WYOMING		KOPPERSTON	81.58	37.73	354	-21	4	31	2	31	52	-21	-21	-21	35	56	-29	PG	58	-34
WV GREENBRIER		LEWISBURG 2 SSW	80.47	37.77	668	-21	4	31	2	31	52	-21	-21	-21	35	56	-29	PG	58	-34
WV LOGAN		LOGAN	81.98	37.87	195	-17	5	34	2	34	55	-17	-17	-17	38	59	-27	PG	64	-28
WV KANAWHA		LONDON LOCKS	81.37	38.20	189	-17	4	33	2	33	54	-17	-17	-17	37	58	-25	PG	58	-28
WV BOONE		MADISON	81.82	38.05	207	-19	4	33	1	33	54	-19	-19	-19	35	56	-27	PG	58	-28
WV MARION		MANNINGTON 1 N	80.35	39.55	299	-24	4	32	2	32	52	-24	-24	-24	36	56	-32	PG	58	-34
WV BERKELEY		MARTINSBURG FAA AP	77.98	39.40	162	-18	3	34	2	34	54	-18	-18	-18	38	58	-24	PG	64	-28
WV HARDY		MATHIAS	78.87	38.67	497	-22	3	32	2	32	53	-22	-22	-22	36	56	-28	PG	58	-28
WV GREENBRIER		MC ROSS	80.75	37.98	747	-24	3	29	2	29	50	-24	-24	-24	33	54	-30	PG	58	-34
WV TYLER		MIDDLEBOURNE 2 ESE	80.87	39.48	229	-23	4	33	2	33	53	-23	-23	-23	37	57	-31	PG	58	-34
WV HARDY		MOOREFIELD 2 SSE	78.97	39.03	253	-21	4	34	2	34	54	-21	-21	-21	38	58	-29	PG	64	-28
WV MORGAN		MORGANTOWN LOCK AND DAM	79.97	39.62	253	-20	4	33	2	33	53	-20	-20	-20	37	57	-28	PG	58	-28
WV MARSHALL		MOUNDSVILLE	80.75	39.90	189	-22	3	33	1	33	53	-22	-22	-22	35	55	-28	PG	58	-28
WV WETZEL		NEW MARTINSVILLE 4 NNE	80.85	39.68	214	-18	4	34	2	34	54	-18	-18	-18	38	58	-26	PG	64	-28
WV FAYETTE		OAK HILL	81.15	37.97	622	-21	4	31	2	31	52	-21	-21	-21	35	56	-29	PG	58	-28
WV WOOD		PARKERSBURG FAA AP	81.43	39.35	253	-19	4	33	2	33	53	-19	-19	-19	37	57	-27	PG	58	-28
WV WOOD		PARKERSBURG 1 E	81.53	39.27	195	-18	4	33	2	33	53	-18	-18	-18	37	57	-26	PG	58	-28
WV RANDOLPH		PICKENS 1	80.22	38.67	845	-24	4	29	1	29	50	-24	-24	-24	31	52	-32	PG	52	-34
WV MINERAL		PIEDMONT	79.03	39.48	320	-18	3	33	2	33	53	-18	-18	-18	37	57	-24	PG	58	-28
WV WYOMING		PINEVILLE	81.53	37.58	390	-19	3	33	2	33	54	-19	-19	-19	37	58	-25	PG	58	-28
WV		POINT PLEASANT	82.13	38.85	174	-17	4	36	2	36	56	-17	-17	-17	40	60	-25	PG	64	-28
WV		RAINELLE	80.78	37.97	738	-22	3	31	2	31	52	-22	-22	-22	35	56	-28	PG	58	-28
WV JACKSON		RAVENSWOOD LOCK PARK	81.77	38.95	177	-19	4	33	2	33	54	-19	-19	-19	37	57	-27	PG	58	-28
WV JACKSON		RIPLEY 4 NNE	81.68	38.88	186	-21	7	34	2	34	54	-21	-21	-21	38	58	-35	PG	64	-40
WV HAMPSHIRE		ROMNEY 1 SW	78.77	39.33	204	-20	3	33	2	33	53	-20	-20	-20	37	57	-26	PG	58	-28
WV PRESTON		ROWLESBURG 1	79.68	39.33	445	-21	3	32	2	32	52	-21	-21	-21	36	56	-27	PG	58	-28
WV POCAHONTAS		SENECA STATE FOREST	79.90	38.33	762	-26	3	31	2	31	52	-26	-26	-26	35	56	-32	PG	58	-34
WV ROANE		SPENCER 1 SE	81.35	38.80	226	-20	5	33	2	33	54	-20	-20	-20	37	57	-30	PG	58	-34
WV PENDLETON		SUMMERSVILLE LAKE	79.52	38.68	930	-23	4	28	2	28	49	-23	-23	-23	32	53	-31	PG	58	-34
WV NICHOLAS		TERRA ALTA 1	80.88	38.23	537	-22	4	31	2	31	52	-22	-22	-22	35	56	-30	PG	58	-34
WV PRESTON		UNION 3 SSE	79.55	39.45	802	-23	4	28	2	28	49	-23	-23	-23	32	52	-31	PG	58	-34
WV MONROE		WARDENSVILLE R M FARM	80.53	37.55	644	-21	4	31	2	31	52	-21	-21	-21	35	56	-29	PG	58	-34
WV HARDY		WEBSTER SPRINGS 1 E	78.58	39.10	293	-21	4	33	2	33	53	-21	-21	-21	37	57	-29	PG	58	-34
WV WEBSTER		WEIRTON	80.42	38.48	470	-21	4	32	2	32	53	-21	-21	-21	36	57	-29	PG	58	-34
WV HANCOCK			80.60	40.40	317	-19	4	32	2	32	52	-19	-19	-19	36	56	-27	PG	58	-28

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY						98% RELIABILITY						BINDER GRADE			
						LOW TEMP		HIGH TEMP		TEMPERATURES			MAX AIR	PVT	MIN	AIR	MAX	PVT	MIN	AIR	MAX	PVT	PG	HT	LT
						AVG	STD	AVG	STD	MAX	AIR	PVT													
WV	BROOKE	WELLSBURG WTR TRTMT PL	80.62	40.28	201	-21	4	33	2	33	53	-21	-21	-21	PG 58-22	37	57	-29	-29	-29	PG	58	-34		
WV	LEWIS	WESTON	80.47	39.07	284	-21	4	33	2	33	53	-21	-21	-21	PG 58-22	37	57	-29	-29	-29	PG	58	-34		
WV	GREENBRIER	WHITE SULPHUR SPRINGS	80.30	37.80	586	-21	3	33	2	33	54	-21	-21	-21	PG 58-22	37	58	-27	-27	-27	PG	58	-28		
WV	MINGO	WILLIAMSON	82.28	37.67	204	-17	4	35	2	35	56	-17	-17	-17	PG 58-22	39	60	-25	-25	-25	PG	64	-28		
WV	PUTNAM	WINFIELD LOCKS	81.92	38.53	174	-18	4	33	2	33	54	-18	-18	-18	PG 58-22	37	57	-26	-26	-26	PG	58	-28		
AK		ADAK	176.65	51.88	6	-11	3	16	2	16	33	-11	-11	-11	PG <40-16	20	37	-17	-17	-17	PG	<40	-22		
AK		ALLAKAKET	152.67	66.57	171	-51	7	26	4	26	36	-51	-51	-51	PG <40-52	34	43	-65	-65	-65	PG	46	<-52		
AK		ALYESKA	149.13	60.97	76	-24	5	21	3	21	34	-24	-24	-24	PG <40-28	27	40	-34	-34	-34	PG	<40	-34		
AK		ANCHORAGE WSCMO AP	150.02	61.17	34	-28	4	21	2	21	34	-28	-28	-28	PG <40-28	25	38	-36	-36	-36	PG	<40	-40		
AK		ANCHORAGE WB AP	149.83	61.22	40	-29	4	22	2	22	35	-29	-29	-29	PG <40-34	26	39	-37	-37	-37	PG	<40	-40		
AK		ANGCON	134.58	57.50	3	-16	4	19	2	19	34	-16	-16	-16	PG <40-16	23	37	-24	-24	-24	PG	<40	-28		
AK		ANNETTE WSO AP	131.57	55.03	34	-13	3	23	2	23	39	-13	-13	-13	PG <40-16	27	42	-19	-19	-19	PG	46	-22		
AK		ANNEXCREEK	134.10	58.32	6	-21	3	21	3	21	35	-21	-21	-21	PG <40-22	27	41	-27	-27	-27	PG	46	-22		
AK		AUKE BAY	134.63	58.38	12	-21	5	23	2	23	37	-21	-21	-21	PG <40-22	27	41	-31	-31	-31	PG	46	-34		
AK		BARROW WSO AP	156.78	71.30	9	-43	3	12	3	12	20	-43	-43	-43	PG <40-46	18	25	-49	-49	-49	PG	<40	-52		
AK		BEAVER FALLS	131.47	55.38	12	-14	3	23	2	23	38	-14	-14	-14	PG <40-16	27	42	-20	-20	-20	PG	46	-22		
AK		BENS FARM	149.13	61.57	458	-34	4	24	2	24	36	-34	-34	-34	PG <40-34	28	40	-42	-42	-42	PG	46	-46		
AK		BETHEL WSO AP	161.80	60.78	40	-36	4	22	2	22	35	-36	-36	-36	PG <40-40	26	39	-44	-44	-44	PG	<40	-46		
AK		BETTLES FAA AP	151.52	66.92	195	-49	3	26	2	26	35	-49	-49	-49	PG <40-52	30	39	-55	-55	-55	PG	<40	<-52		
AK		BIG DELTA FAAMAMOS AP	145.73	64.00	387	-44	7	25	3	25	36	-44	-44	-44	PG <40-46	31	42	-58	-58	-58	PG	46	<-52		
AK		BROOKS RIVER	155.78	58.55	12	-6	4	22	2	22	36	-6	-6	-6	PG <40-10	26	40	-14	-14	-14	PG	<40	-16		
AK		CAPE DECISION	134.13	56.00	12	-13	5	16	1	16	31	-13	-13	-13	PG <40-16	18	33	-23	-23	-23	PG	<40	-28		
AK		CAPE LISBURN	166.12	68.87	15	-36	4	13	3	13	22	-36	-36	-36	PG <40-40	19	28	-44	-44	-44	PG	<40	-46		
AK		CAPE NEWENHAM	162.07	58.63	146	-26	4	14	3	14	28	-26	-26	-26	PG <40-28	20	34	-34	-34	-34	PG	<40	-34		
AK		CAPE ROMANZOF	166.05	61.78	131	-28	3	16	2	16	29	-28	-28	-28	PG <40-28	20	33	-34	-34	-34	PG	<40	-34		
AK		CAPE ST ELIAS	144.60	59.80	18	-12	3	17	2	17	31	-12	-12	-12	PG <40-16	21	34	-18	-18	-18	PG	<40	-22		
AK		CAPE SARICHEF	164.93	54.60	55	-13	3	15	2	15	31	-13	-13	-13	PG <40-16	19	35	-19	-19	-19	PG	<40	-22		
AK		CAPE SPENCER	136.63	58.20	24	-13	3	16	1	16	30	-13	-13	-13	PG <40-16	18	32	-19	-19	-19	PG	<40	-22		
AK		CHITINA	144.43	61.52	183	-43	4	23	4	23	36	-43	-43	-43	PG <40-46	31	43	-51	-51	-51	PG	46	-52		
AK		CIRCLE HOT SPRINGS	144.63	65.48	287	-47	2	26	2	26	36	-47	-47	-47	PG <40-52	30	40	-51	-51	-51	PG	46	-52		
AK		CLEAR	149.18	64.30	177	-46	5	24	3	24	35	-46	-46	-46	PG <40-46	30	41	-56	-56	-56	PG	46	<-52		
AK		CLEARWATER	145.52	64.05	336	-50	5	27	2	27	38	-50	-50	-50	PG <40-52	31	42	-60	-60	-60	PG	46	<-52		
AK		COLD BAY WSO AP	162.72	55.20	30	-18	3	16	2	16	32	-18	-18	-18	PG <40-22	20	36	-24	-24	-24	PG	<40	-28		
AK		COLLEGE OBSERVATORY	147.83	64.87	189	-43	4	27	2	27	38	-43	-43	-43	PG <40-46	31	41	-51	-51	-51	PG	46	-52		
AK		COOPER LAKE PROJECT	149.67	60.38	137	-25	4	21	3	21	34	-25	-25	-25	PG <40-28	27	40	-33	-33	-33	PG	<40	-34		
AK		CORDOVA NORTH	145.77	60.55	9	-16	6	19	2	19	32	-16	-16	-16	PG <40-16	23	36	-28	-28	-28	PG	<40	-28		
AK		CORDOVA FAA FSS AP	145.50	60.50	12	-26	4	20	2	20	33	-26	-26	-26	PG <40-28	24	37	-34	-34	-34	PG	<40	-34		
AK		DILLINGHAM FAA AP	158.52	59.05	28	-32	5	21	3	21	35	-32	-32	-32	PG <40-34	27	41	-42	-42	-42	PG	<40	-34		
AK		EAGLE	141.20	64.78	259	-49	8	27	3	27	38	-49	-49	-49	PG <40-52	33	43	-65	-65	-65	PG	46	<-52		
AK		EIELSON FIELD	147.10	64.67	168	-45	6	26	2	26	37	-45	-45	-45	PG <40-46	30	41	-57	-57	-57	PG	46	<-52		
AK		EKLUTNA LAKE	149.15	61.40	268	-36	5	21	3	21	34	-36	-36	-36	PG <40-40	27	39	-46	-46	-46	PG	<40	-46		
AK		EKLUTNA PROJECT	149.17	61.47	12	-34	3	24	2	24	37	-34	-34	-34	PG <40-34	28	40	-40	-40	-40	PG	46	-40		
AK		ELDRED ROCK	135.22	58.97	18	-18	4	21	2	21	35	-18	-18	-18	PG <40-22	27	41	-26	-26	-26	PG	46	-28		
AK		ELMENDORF AF BASE	149.80	61.25	58	-28	4	21	2	21	34	-28	-28	-28	PG <40-28	25	38	-36	-36	-36	PG	<40	-40		
AK		FAIRBANKS WSO AP	147.87	64.82	134	-46	4	27	2	27	38	-46	-46	-46	PG <40-46	31	41	-54	-54	-54	PG	46	<-52		
AK		FAREWELL FAA AP	153.88	62.52	458	-43	3	23	3	23	35	-43	-43	-43	PG <40-16	22	37	-19	-19	-19	PG	<40	-22		
AK		FIVE FINGER LIGHT STN	133.62	57.27	9	-13	3	18	2	18	33	-13	-13	-13	PG <40-52	32	41	-62	-62	-62	PG	46	<-52		
AK		FORT YUKON	145.27	66.57	137	-50	6	26	3	26	36	-50	-50	-50	PG <40-46	28	39	-60	-60	-60	PG	<40	-52		
AK		GALENA AIRPORT	156.93	64.73	37	-44	8	24	2	24	35	-44	-44	-44	PG <40-22	23	37	-23	-23	-23	PG	<40	-28		
AK		GLACIER BAY	136.88	58.45	15	-17	3	19	2	19	33	-17	-17	-17	PG <40-22	28	40	-54	-54	-54	PG	46	<-52		
AK		GLENNALLAN (KCAM)	145.53	62.12	445	-46	4	26	1	26	38	-46	-46	-46	PG <40-46	28	40	-20	-20	-20	PG	46	<-52		
AK		GUARD ISLAND	131.88	55.45	6	-12	4	21	2	21	36	-12	-12	-12	PG <40-16	25	40	-20	-20	-20	PG	46	-22		
AK		GULKANA FSS/AMOS	145.45	62.15	479	-44	4	25	2	25	37	-44	-44	-44	PG <40-46	29	41	-52	-52	-52	PG	46	-52		

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP	HIGH TEMP	STD	TEMPERATURES				TEMPERATURES				PG	HT
						AVG	STD	AVG	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT		
AK		GUSTAVUS 2 SW	135.73	58.42	15	-20	6	21	2	21	35	-20	25	39	-32	-32	PG	<40 -34
AK		HAINES TERMINAL	135.45	59.27	55	-19	5	23	2	23	37	-19	27	40	-29	-29	PG	46 -34
AK		HOLY CROSS	159.77	62.18	6	-41	8	23	3	23	35	-41	29	41	-57	-57	PG	46 <-52
AK		HOMER WSO AP	151.50	59.63	28	-22	3	18	2	18	32	-22	22	36	-28	-28	PG	<40 -28
AK		HOMER 5 NW	151.63	59.68	345	-23	3	19	2	19	33	-23	23	36	-29	-29	PG	<40 -34
AK		HUGHES	154.23	66.07	168	-51	3	26	3	26	36	-51	32	42	-57	-57	PG	46 <-52
AK		ILIAMNA FAA AP	154.92	59.75	58	-32	4	21	2	21	35	-32	25	38	-40	-40	PG	<40 -40
AK		INTRICATE BAY	154.47	59.57	52	-36	4	22	2	22	36	-36	26	39	-44	-44	PG	<40 -46
AK		JUNEAU 2	134.40	58.30	9	-17	6	22	3	22	36	-17	28	42	-29	-29	PG	46 -34
AK		JUNEAU 4	134.58	58.37	3	-22	4	23	2	23	37	-22	27	41	-30	-30	PG	46 -34
AK		KASLOF 3 NW	151.38	60.37	21	-33	5	20	2	20	33	-33	24	37	-43	-43	PG	<40 -46
AK		KENAI FAA AP	151.25	60.57	28	-35	4	19	2	19	32	-35	23	36	-43	-43	PG	<40 -46
AK		KETCHIKAN	131.65	55.35	24	-13	4	23	3	23	38	-13	29	44	-21	-21	PG	46 -22
AK		KING SALMON WSO AP	156.65	58.68	15	-35	4	22	2	22	36	-35	26	40	-42	-42	PG	<40 -46
AK		KODIAK NAS	152.52	57.75	6	-16	3	20	2	20	34	-16	24	38	-22	-22	PG	<40 -22
AK		KOTZEBUE WSO AP	162.63	66.87	3	-39	3	19	2	19	29	-39	23	33	-45	-45	PG	<40 -46
AK		LINGER LONGER	136.28	59.43	214	-29	4	24	3	24	38	-29	30	43	-37	-37	PG	46 -40
AK		LITTLE PORT WALTER	134.65	56.38	3	-12	3	19	2	19	34	-12	23	38	-18	-18	PG	<40 -22
AK		MANLEY HOT SPRINGS	150.65	65.00	85	-47	9	27	2	27	38	-47	31	41	-65	-65	PG	46 <-52
AK		MATANUSKA AGRI EXP STN	149.27	61.57	46	-32	3	23	2	23	36	-32	27	39	-38	-38	PG	<40 -40
AK		MC KINLEY PARK	148.97	63.72	631	-40	3	23	3	23	34	-40	29	40	-46	-46	PG	46 -46
AK		MOOSE PASS 3 NW	149.43	60.50	150	-32	5	23	4	23	36	-32	31	44	-42	-42	PG	46 -46
AK		NENAN MUN AP	149.08	64.55	110	-47	9	26	3	26	37	-47	32	43	-65	-65	PG	46 <-52
AK		NORTH POLE	147.33	64.75	146	-48	4	27	2	27	38	-48	31	41	-56	-56	PG	46 <-52
AK		NORTHWAY FAA AP	141.93	62.97	522	-50	4	25	2	25	37	-50	29	41	-58	-58	PG	46 <-52
AK		NUNIVAK	166.20	60.38	12	-30	4	14	2	14	28	-30	18	31	-38	-38	PG	<40 -40
AK		OLD EDGERTON	144.98	61.80	403	-44	4	25	2	25	37	-44	29	41	-52	-52	PG	46 -52
AK		PALMER IAS	149.10	61.60	70	-32	3	23	2	23	35	-32	27	39	-38	-38	PG	<40 -40
AK		PALMER 1 N	149.10	61.62	67	-30	3	24	2	24	36	-30	28	40	-36	-36	PG	46 -40
AK		PELICAN	136.23	57.95	6	-14	4	19	3	19	33	-14	25	39	-22	-22	PG	<40 -22
AK		PETERSBURG	132.97	56.82	0	-18	5	21	2	21	36	-18	24	38	-26	-26	PG	<40 -28
AK		POINT RETREAT LIGHT STN	134.95	58.42	6	-16	5	20	2	20	34	-16	24	38	-26	-26	PG	<40 -28
AK		PORT ALEXANDER	134.55	56.25	3	-11	4	20	2	20	35	-11	24	39	-19	-19	PG	<40 -22
AK		PORT ALSWORTH	154.30	60.20	79	-37	7	24	2	24	37	-37	22	37	-33	-33	PG	46 -52
AK		PORT HEIDEN	158.62	56.95	28	-25	4	18	2	18	33	-25	22	37	-43	-43	PG	<40 -46
AK		PUNTILLA	152.75	62.10	558	-37	3	21	3	21	33	-37	27	39	-52	-52	PG	46 -52
AK		RUSSIAN MISSION	161.32	61.78	15	-40	6	22	3	22	34	-40	14	29	-27	-27	PG	<40 -28
AK		ST PAUL ISLAND WSO AP	170.22	57.15	6	-19	4	12	1	12	27	-19	25	38	-25	-25	PG	<40 -28
AK		SEWARD	149.45	60.12	12	-19	3	21	2	21	34	-19	31	42	-15	-15	PG	<40 -16
AK		SEWARD	174.10	52.72	37	-9	3	12	1	12	29	-9	14	31	-15	-15	PG	<40 -22
AK		SEWARD	135.35	57.07	6	-13	3	19	1	19	34	-13	21	36	-19	-19	PG	<40 -22
AK		SITKA JAPANESE FAA AP	135.33	57.05	21	-14	4	20	2	20	35	-14	24	39	-22	-22	PG	<40 -22
AK		SITKA MAGNETIC OBSV	151.20	61.97	46	-39	4	24	3	24	36	-39	30	42	-47	-47	PG	46 -52
AK		SKWENTNA	151.20	61.97	46	-39	4	24	3	24	36	-39	30	42	-47	-47	PG	46 -52
AK		SLANA	143.98	62.70	668	-39	4	24	3	24	36	-39	27	39	-52	-52	PG	46 -52
AK		SNOWSHOE LAKE	146.67	62.03	702	-44	4	23	2	23	35	-44	26	39	-48	-48	PG	<40 -52
AK		SPARREVOHN	155.55	61.10	482	-34	7	20	3	20	33	-34	27	38	-48	-48	PG	<40 -52
AK		SUMMIT WSO AP	149.13	63.33	732	-34	7	21	3	21	33	-34	27	38	-48	-48	PG	<40 -52
AK		TALKEETNA WSCMO AP	150.10	62.30	107	-37	4	24	2	24	36	-37	32	42	-63	-63	PG	46 <-52
AK		TANANA FAA AP	152.10	65.17	70	-47	8	26	3	26	36	-47	32	43	-59	-59	PG	46 <-52
AK		TOK	143.03	63.35	494	-51	4	26	3	26	37	-51	30	42	-52	-52	PG	46 -52
AK		TONSINA	145.18	61.65	458	-44	4	26	2	26	38	-44	22	38	-22	-22	PG	<40 -22
AK		TREE POINT LIGHT STN	130.93	54.80	12	-14	4	20	1	20	36	-14	22	38	-22	-22	PG	<40 -22
AK		TRIMS CAMP	145.77	63.43	735	-41	6	22	2	22	34	-41	26	37	-53	-53	PG	<40 -52

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weathr Database Used for Asphalt Binder Grade Selection

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ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW	AVG	STD	HIGH	TEMPERATURES				TEMPERATURES				PG	HT
										MAX AIR	MIN	PVT	AIR	MAX AIR	MIN	PVT	AIR		
AK		UMIAT	152.13	69.37	82	-50	3	23	3	23	31	-50	-50	29	37	-56	-56	PG	<40
AK		UNALAKLEET WSO AP	160.80	63.88	6	-41	4	19	3	19	30	-41	-41	25	36	-49	-49	PG	<40
AK		UNIVERSITY EXP STN	147.87	64.85	146	-45	4	28	2	28	39	-45	-45	32	42	-53	-53	PG	<40
AK		VALDEZ WSO	146.35	61.13	6	-20	4	20	2	20	33	-20	-20	24	37	-28	-28	PG	<40
AK		WALES	168.05	65.62	3	-36	3	14	2	14	25	-36	-36	18	29	-42	-42	PG	<40
AK		WASILLA 3 S	149.43	61.53	15	-33	4	24	2	24	36	-33	-33	28	40	-41	-41	PG	<40
AK		WHITTIER	148.68	60.77	18	-18	7	21	3	21	34	-18	-18	27	40	-32	-32	PG	<40
AK		WRANGELL	132.37	56.48	12	-17	3	22	2	22	37	-17	-17	26	41	-23	-23	PG	<40
AK		YAKATAGA AP	142.50	60.08	9	-16	3	17	2	17	31	-16	-16	21	34	-22	-22	PG	<40
AK		YAKUTAT WSO AP	139.67	59.52	9	-23	4	18	2	18	32	-23	-23	22	36	-31	-31	PG	<40
HI		EWA PLANTATION 741	158.03	21.35	15	12	1	31	1	31	54	12	12	33	56	10	10	PG	58
HI		HALEAKALA R S 338	155.47	20.10	140	13	2	28	1	28	51	13	13	30	53	9	9	PG	58
HI		HALEAKALA R S 338	156.25	20.77	2144	0	1	21	1	21	44	0	0	23	46	-2	-2	PG	52
HI		HAWAII VOLONS NP HQ 54	155.27	19.43	1180	5	2	29	1	29	52	13	13	31	54	9	9	PG	58
HI		HAWAII WSO AP 87	155.07	19.72	9	14	1	29	1	29	52	14	14	25	48	1	1	PG	52
HI		KAHULUI WSO AP 398	156.43	20.90	15	12	1	32	1	32	55	12	12	34	57	10	10	PG	58
HI		KANALI 73.2	155.93	19.53	458	12	1	27	1	27	50	12	12	29	52	10	10	PG	58
HI		KAMUELA 192.2	155.67	20.02	814	4	2	26	1	26	49	4	4	28	51	0	0	PG	52
HI		KANALOHULU 1075	159.67	22.13	1098	2	2	23	3	23	46	2	2	29	52	-2	-2	PG	58
HI		KILAUEA POINT 1133	159.40	22.23	55	14	2	30	1	30	53	14	14	32	55	10	10	PG	58
HI		KOHALA MISSION 175.1	155.80	20.23	165	14	1	28	1	28	51	14	14	30	53	12	12	PG	58
HI		KULA SANATORIUM 267	156.37	20.70	915	8	2	24	1	24	47	8	8	26	49	4	4	PG	52
HI		KULANI CAMP 79	155.30	19.55	1577	1	1	21	1	21	45	1	1	23	46	-1	-1	PG	52
HI		LAHAINA 361	156.68	20.88	15	13	1	32	1	32	55	13	13	34	57	11	11	PG	58
HI		LIHUE WSO AP 1020.1	159.35	21.98	30	13	1	30	1	30	53	13	13	32	55	11	11	PG	58
HI		MAKAPUU POINT 724	157.65	21.32	165	14	2	28	1	28	51	14	14	30	53	10	10	PG	58
HI		MANA 1026	159.77	22.03	6	12	2	32	1	32	55	12	12	34	57	8	8	PG	58
HI		MAUNA LOA SLOPE OBS 38	155.58	19.53	3401	-4	2	16	1	16	40	-4	-4	18	42	-8	-8	PG	46
HI		NAALEHU 14	155.58	19.07	244	13	2	28	1	28	51	13	13	30	53	9	9	PG	58
HI		OOKALA 223	155.28	20.02	131	13	2	28	1	28	51	13	13	30	53	9	9	PG	58
HI		OPAEULA 870	158.03	21.57	323	11	2	29	1	29	52	11	11	31	54	7	7	PG	58
HI		OPIHIHALE 2 24.1	155.88	19.27	387	11	1	28	1	28	51	11	11	30	53	9	9	PG	58
HI		UPOLU POINT USCG 159.2	155.88	20.25	18	14	2	31	1	31	54	14	14	33	56	10	10	PG	58
HI		WAILUA 847	158.12	21.58	9	12	2	31	1	31	54	12	12	34	57	10	10	PG	58
HI		WAIKIKI 717.2	157.82	21.27	3	12	1	32	1	32	55	12	12	34	57	10	10	PG	58
HI		WAIMANALO EXP FRM 795.1	157.72	21.33	18	13	2	29	1	29	52	13	13	31	54	9	9	PG	58
ID	BINGHAM	ABERDEEN EXP STN	112.83	42.95	1345	-28	6	34	1	34	53	-28	-28	36	55	-40	-40	PG	58
ID	POWER	AMERICAN FALLS 1 SW	112.87	42.78	1318	-24	6	34	1	34	53	-24	-24	36	55	-36	-36	PG	58
ID	ELMORE	ANDERSON DAM	115.47	43.35	1183	-21	5	36	1	36	55	-21	-21	38	57	-31	-31	PG	58
ID	POWER	ARBON 2 NW	112.57	42.50	1577	-28	4	33	1	33	53	-28	-28	35	55	-36	-36	PG	58
ID	BUTTE	ARCO 3 SW	113.33	43.60	1626	-31	4	32	2	32	51	-31	-31	36	55	-39	-39	PG	58
ID	ELMORE	ARROWROCK DAM	115.92	43.60	1000	-13	9	36	2	36	55	-13	-13	40	59	-31	-31	PG	64
ID	FREMONT	ASHTON	111.45	44.07	1604	-30	3	31	1	31	50	-30	-30	33	52	-36	-36	PG	58
ID	SHOSHONE	AVERY R S	115.80	47.25	760	-21	6	36	2	36	54	-21	-21	39	57	-34	-34	PG	58
ID	SHOSHONE	AVERY RANGER STN 2	115.92	47.25	729	-20	7	33	3	33	51	-20	-20	32	52	-32	-32	PG	58
ID	KOOTENAI	BAYVIEW MODEL BASIN	116.55	47.98	634	-22	5	30	2	30	48	-22	-22	34	52	-32	-32	PG	52
ID	VALLEY	BIG CREEK	115.32	45.13	1732	-33	6	31	2	31	50	-33	-33	35	54	-45	-45	PG	58
ID	BINGHAM	BLACKFOOT 2 SSW	112.35	43.17	1370	-26	6	33	3	33	52	-26	-26	39	58	-38	-38	PG	58
ID	CARBON	BLACKFOOT DAM	111.72	43.00	1891	-15	6	31	2	31	51	-15	-15	35	54	-27	-27	PG	58
ID	GOOCHING	BLISS 4 NW	115.00	42.95	1000	-22	6	37	1	37	56	-22	-22	39	58	-34	-34	PG	64
ID	ADA	BOISE LUCKY PEAK DAM	116.07	43.55	866	-17	5	37	2	37	56	-17	-17	41	60	-27	-27	PG	64
ID	ADA	BOISE WSO AP	116.22	43.57	866	-19	5	36	2	36	55	-19	-19	40	59	-29	-29	PG	64

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY			BINDER GRADE			98% RELIABILITY			BINDER GRADE		
						LOW TEMP			TEMPERATURES			PG HT			TEMPERATURES			PG HT		
						AVG	STD	HIGH	MAX	AIR	MIN	MAX	AIR	MIN	MAX	AIR	MIN	MAX	AIR	MIN
ID	BOUNDARY	BONNERS FERRY 1 SW	116.32	48.68	567	-13	5	33	2	33	51	-23	-23	PG 52-28	37	54	-33	PG 58-34	37	54
ID	ADAMS	BROWNLEE DAM	116.87	44.83	561	-16	4	39	2	39	58	-16	-16	PG 58-16	43	61	-24	PG 64-28	43	61
ID	OWYHEE	BRUNEAU	115.80	42.88	772	-19	5	38	2	38	57	-19	-19	PG 58-22	42	61	-29	PG 64-34	42	61
ID	SHOSHONE	BURKE 2 ENE	115.80	47.53	1248	-24	4	29	2	29	47	-24	-24	PG 52-28	33	51	-32	PG 52-34	33	51
ID	CASSIA	BURLEY	113.78	42.53	1275	-21	6	36	2	36	55	-21	-21	PG 58-22	40	59	-33	PG 64-34	40	59
ID	CASSIA	BURLEY FAA AP	113.77	42.53	1269	-23	5	34	2	34	54	-23	-23	PG 58-28	38	57	-33	PG 58-34	38	57
ID	BONNER	CABINET GORGE	116.07	48.08	689	-22	5	33	2	33	51	-22	-22	PG 52-22	37	55	-32	PG 58-34	37	55
ID	WASHINGTON	CAMBRIDGE	116.68	44.57	808	-27	6	38	2	38	57	-27	-27	PG 52-22	42	61	-39	PG 64-40	42	61
ID	VALLEY	CASCADE 1 NW	116.05	44.53	1494	-29	4	32	1	32	51	-29	-29	PG 52-34	34	53	-37	PG 58-40	34	53
ID	TWIN FALLS	CASTLEFORD 2 N	114.87	42.55	1168	-22	4	34	1	34	54	-22	-22	PG 58-22	36	55	-30	PG 58-34	36	55
ID	CUSTER	CHALLIS	114.23	44.50	1580	-27	5	33	2	33	52	-27	-27	PG 52-34	35	54	-40	PG 58-40	35	54
ID	CUSTER	CHILLY BARTON FLAT	113.82	43.98	1909	-32	4	31	2	31	50	-32	-32	PG 52-34	36	55	-37	PG 58-40	36	55
ID	LEWIS	COBALT	114.23	45.08	1528	-29	4	32	2	32	51	-29	-29	PG 52-34	35	54	-37	PG 58-40	35	54
ID	KOOTENAI	COEUR D'ALENERS	116.75	47.68	659	-21	7	34	2	34	52	-21	-21	PG 52-22	38	56	-35	PG 58-40	38	56
ID	CARIBOU	CONDA	111.55	42.72	1891	-31	4	31	2	31	51	-31	-31	PG 52-34	35	54	-39	PG 58-40	35	54
ID	IDAHO	COTTONWOOD	116.33	46.02	1040	-24	5	32	2	32	51	-24	-24	PG 52-28	36	54	-34	PG 58-34	36	54
ID	ADAMS	COUNCIL	116.43	44.73	900	-26	5	37	2	37	56	-26	-26	PG 58-28	41	60	-36	PG 64-40	41	60
ID	BUTTE	CRATERS OF THE MOON NM	113.57	43.47	1800	-26	4	32	1	32	51	-26	-26	PG 52-28	34	53	-34	PG 58-34	34	53
ID	VALLEY	DEADWOOD DAM	115.63	44.32	1641	-34	4	32	2	32	51	-34	-34	PG 52-34	36	55	-42	PG 58-46	36	55
ID	CANYON	DEER FLAT DAM	116.75	43.58	766	-17	7	34	2	34	53	-17	-17	PG 58-22	38	57	-31	PG 58-34	38	57
ID	IDAHO	DIXIE	115.47	45.55	1714	-35	5	29	2	29	48	-35	-35	PG 52-40	33	52	-45	PG 52-46	33	52
ID	CLARK	DUBOIS EXP STN	112.20	44.25	1662	-26	4	33	2	33	52	-26	-26	PG 58-28	37	56	-34	PG 58-34	37	56
ID	CLEARWATER	DWORSHAK FISH HATCHERY	116.30	46.50	305	-16	5	37	2	37	55	-16	-16	PG 52-34	36	54	-26	PG 64-28	36	54
ID	IDAHO	ELK CITY R S	115.43	45.83	1238	-32	8	32	2	32	51	-32	-32	PG 52-34	37	55	-48	PG 58-40	37	55
ID	CLEARWATER	ELK RIVER 1 S	116.18	46.77	891	-27	6	33	2	33	51	-27	-27	PG 52-28	37	55	-39	PG 58-40	37	55
ID	GBM	EMMETT 2 E	116.47	43.87	729	-20	6	37	2	37	56	-20	-20	PG 58-22	41	60	-32	PG 64-34	41	60
ID	CAMAS	FAIRFIELD R S	114.78	43.35	1546	-32	4	33	1	33	52	-32	-32	PG 58-34	35	54	-40	PG 58-40	35	54
ID	IDAHO	FENN R S	115.55	46.10	485	-18	5	36	2	36	54	-18	-18	PG 58-22	40	58	-28	PG 64-28	40	58
ID	BINGHAM	FORT HALL IND AGENCY	112.43	43.03	1360	-27	5	34	1	34	53	-27	-27	PG 58-28	36	55	-37	PG 58-40	36	55
ID	BOISE	GARDEN VALLEY R S	115.92	44.07	979	-24	5	37	2	37	56	-24	-24	PG 58-28	41	60	-34	PG 64-34	41	60
ID	LEWIS	GIBBONSVILLE	113.95	45.55	1366	-29	4	33	2	33	52	-29	-29	PG 52-34	37	56	-37	PG 58-40	37	56
ID	ELMORE	GLENNS FERRY	115.32	42.93	766	-20	4	38	2	38	57	-20	-20	PG 58-22	42	61	-28	PG 64-28	42	61
ID	GOODING	GOODING AP	114.77	42.92	1126	-21	4	36	1	36	55	-21	-21	PG 58-22	38	57	-29	PG 58-34	38	57
ID	CARIBOU	GRACE	111.73	42.58	1693	-29	4	31	1	31	51	-29	-29	PG 52-34	33	53	-37	PG 58-40	33	53
ID	OWYHEE	GRAND VIEW 2 W	116.13	43.00	732	-20	6	38	2	38	57	-20	-20	PG 58-22	42	61	-32	PG 64-34	42	61
ID	IDAHO	GRANGEVILLE	116.13	45.92	1025	-23	5	32	2	32	51	-23	-23	PG 52-28	36	54	-33	PG 58-34	36	54
ID	IDAHO	GRANGEVILLE 11 SE	115.93	45.83	886	-19	4	34	2	34	53	-19	-19	PG 58-22	38	56	-27	PG 58-28	38	56
ID	OWYHEE	GRASMERE	115.88	42.38	1565	-22	7	34	1	34	54	-22	-22	PG 58-22	36	56	-36	PG 58-40	36	56
ID	CUSTER	GROUSE	113.62	43.70	1860	-35	4	30	2	30	49	-35	-35	PG 52-40	34	53	-43	PG 58-46	34	53
ID	BLAINE	HAILEY 3 NNW	114.33	43.57	1653	-27	5	32	2	32	51	-27	-27	PG 52-28	36	55	-37	PG 58-40	36	55
ID	JEFFERSON	HAMER 4 NW	112.27	43.97	1461	-33	4	34	2	34	53	-33	-33	PG 58-34	38	57	-41	PG 58-46	38	57
ID	JEROME	HAZELTON	114.13	42.60	1238	-23	4	34	1	34	54	-23	-23	PG 58-28	36	55	-31	PG 58-34	36	55
ID	CLEARWATER	HEADQUARTERS	115.80	46.63	958	-25	4	33	2	33	51	-25	-25	PG 52-28	37	55	-33	PG 58-34	37	55
ID	CAMAS	HILL CITY 1 W	115.05	43.30	1525	-32	5	33	2	33	52	-32	-32	PG 58-34	37	56	-42	PG 58-46	37	56
ID	TWIN FALLS	HOLLISTER	114.57	42.35	1382	-22	4	33	2	33	53	-22	-22	PG 58-22	37	56	-30	PG 58-34	37	56
ID	BUTTE	HOWE	113.00	43.78	1470	-30	5	33	2	33	52	-30	-30	PG 58-34	37	56	-40	PG 58-40	37	56
ID	BOISE	IDAHO CITY	115.83	43.83	1211	-27	5	35	2	35	54	-27	-27	PG 58-28	39	58	-37	PG 58-40	39	58
ID	BONNEVILLE	IDAHO FALLS 2 ESE	112.02	43.48	1455	-27	5	33	1	33	52	-27	-27	PG 58-28	35	54	-37	PG 58-40	35	54
ID	BONNEVILLE	IDAHO FALLS 16 SE	111.78	43.35	1784	-33	6	30	1	30	49	-33	-33	PG 52-34	32	51	-45	PG 52-46	32	51
ID	BONNEVILLE	IDAHO FALLS FAA AP	112.07	43.52	1443	-28	5	33	1	33	52	-28	-28	PG 58-28	35	54	-38	PG 58-40	35	54
ID	BUTTE	IDAHO FALLS 46 W	112.95	43.53	1507	-33	5	34	1	34	53	-33	-33	PG 58-34	36	55	-43	PG 58-46	36	55
ID	FREMONT	ISLAND PARK	111.37	44.42	1918	-38	5	29	2	29	48	-38	-38	PG 52-40	33	52	-48	PG 58-52	33	52
ID	JEROME	JEROME	114.52	42.73	1141	-19	7	36	1	36	55	-19	-19	PG 58-22	38	57	-33	PG 58-34	38	57

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY						98% RELIABILITY						BINDER GRADE					
						LOW TEMP		HIGH TEMP		TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT	LT
						AVG	STD	AVG	STD	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN			
ID	SHOSHONE	KELLOGG	116.17	47.55	708	-23	6	34	2	34	52	-23	-23	34	56	-35	38	52	-28	PG	58	-40					
ID	IDAHO	KOOSKIA	115.98	46.15	390	-21	6	38	2	38	56	-21	-21	38	60	-33	42	60	-33	PG	64	-34					
ID	ADA	KUNA 2 NNE	116.40	43.52	817	-21	5	34	1	34	53	-21	-21	34	55	-31	36	55	-31	PG	58	-34					
ID	LEMI	LEADORENO 2	113.35	44.68	1830	-33	5	31	2	31	50	-33	-33	31	54	-43	35	54	-43	PG	58	-46					
ID	NEZPERCE	LEWISTON WSO AP	117.02	46.38	439	-18	6	37	2	37	55	-18	-18	37	59	-30	41	59	-30	PG	64	-34					
ID	BEAR LAKE	LIFTON PUMPING STN	111.30	42.12	1809	-27	9	30	1	30	50	-27	-27	30	52	-45	32	52	-45	PG	52	-46					
ID	BOISE	LOWMAN	115.60	44.08	1196	-26	5	34	2	34	53	-26	-26	34	57	-36	38	57	-36	PG	58	-40					
ID	CUSTER	MACKAY R S	113.62	43.92	1800	-27	4	32	2	32	51	-27	-27	32	55	-35	36	55	-35	PG	58	-40					
ID	CUSTER	MACKAY 4 NW	113.67	43.95	1830	-28	5	31	1	31	50	-28	-28	31	52	-38	33	52	-38	PG	58	-40					
ID	ONEIDA	MALAD CITY	112.28	42.17	1363	-28	5	35	1	35	55	-28	-28	37	57	-35	37	57	-35	PG	58	-40					
ID	CASSIA	MALTA 2 E	113.28	42.30	1385	-25	5	34	2	34	54	-25	-25	34	56	-41	37	56	-41	PG	58	-46					
ID	LEMI	MAY	113.92	44.60	1559	-31	5	33	2	33	52	-31	-31	33	54	-36	35	54	-36	PG	58	-40					
ID	VALLEY	MCCALL	116.12	44.90	1534	-28	4	31	2	31	50	-28	-28	31	52	-38	36	55	-38	PG	58	-40					
ID	MINIDOKA	MINIDOKA DAM	113.48	42.67	1284	-24	6	34	1	34	53	-24	-24	34	55	-36	36	55	-36	PG	58	-40					
ID	BEAR LAKE	MONTPELIER R S	111.30	42.32	1818	-29	4	32	2	32	52	-29	-29	32	56	-37	36	56	-37	PG	58	-40					
ID	ELMORE	MOUNTAINHOME	115.70	43.13	973	-21	4	37	2	37	56	-21	-21	37	60	-29	41	60	-29	PG	64	-34					
ID	ADAMS	NEW MEADOWS R S	116.28	44.97	1180	-33	5	33	2	33	52	-33	-33	32	56	-43	37	56	-43	PG	58	-46					
ID	LEWIS	NEZPERCE	116.25	46.25	961	-23	6	32	2	32	50	-23	-23	32	54	-35	36	54	-35	PG	58	-40					
ID	IDAHO	NORTH STAR RANCH	114.83	45.92	854	-22	6	34	2	34	53	-22	-22	34	56	-34	38	56	-34	PG	58	-34					
ID	CASSIA	OAKLEY	113.88	42.23	1403	-22	4	33	2	33	53	-22	-22	33	57	-30	37	57	-30	PG	58	-34					
ID	GEM	OLA 4 S	116.28	44.13	912	-25	6	36	1	36	55	-25	-25	36	57	-37	38	57	-37	PG	58	-40					
ID	CLEARWATER	OROFNO	116.27	46.48	403	-18	5	38	2	38	56	-18	-18	38	60	-28	42	60	-28	PG	64	-28					
ID	BONNEVILLE	PALISADES	111.23	43.35	1644	-28	6	32	1	32	51	-28	-28	32	53	-40	34	53	-40	PG	58	-40					
ID	CANYON	PARMA EXP STN	116.95	43.80	677	-21	7	37	2	37	56	-21	-21	37	60	-35	41	60	-35	PG	64	-40					
ID	MINIDOKA	PAUL 1 ENE	113.75	42.62	1284	-23	5	34	1	34	54	-23	-23	34	55	-33	36	55	-33	PG	58	-34					
ID	PAYETTE	PAYETTE	116.93	44.08	656	-21	6	37	2	37	56	-21	-21	37	60	-33	41	60	-33	PG	64	-34					
ID	BLAINE	PICABO	114.07	43.30	1488	-29	4	33	1	33	52	-29	-29	33	54	-37	35	54	-37	PG	58	-40					
ID	CLEARWATER	PIERCE	115.80	46.50	973	-26	5	32	2	32	50	-26	-26	32	54	-36	36	54	-36	PG	58	-40					
ID	POWER	PIERCE R S	115.80	46.50	967	-26	7	34	2	34	52	-26	-26	34	56	-40	38	56	-40	PG	58	-40					
ID	BOUNDARY	POCATELLO WSO AP	112.60	42.92	1357	-26	5	34	1	34	53	-26	-26	34	55	-36	36	55	-36	PG	58	-40					
ID	LATAH	POTLATCH 3 NNE	116.50	49.00	518	-25	5	33	2	33	51	-25	-25	33	54	-35	37	54	-35	PG	58	-40					
ID	IDAHO	POWER	116.88	46.97	793	-24	7	33	2	33	51	-24	-24	33	55	-38	37	55	-38	PG	58	-40					
ID	FRANKLIN	PRESTON SUGAR FACTORY	114.70	46.52	1107	-27	4	33	2	33	51	-27	-27	33	55	-35	37	55	-35	PG	58	-40					
ID	BONNER	PRIEST RIVER EXP STN	111.85	42.07	1440	-26	5	35	1	35	55	-26	-26	35	57	-36	37	57	-36	PG	58	-40					
ID	OWYHEE	REYNOLDS	116.83	48.35	726	-26	6	33	2	33	51	-26	-26	33	55	-38	37	55	-38	PG	58	-40					
ID	LINCOLN	RICHFIELD	116.75	43.20	1199	-21	6	34	2	34	53	-21	-21	34	57	-33	38	57	-33	PG	58	-34					
ID	IDAHO	RIGGINS	114.15	43.07	1315	-27	5	33	1	33	52	-27	-27	33	54	-37	35	54	-37	PG	58	-40					
ID	MINIDOKA	RUPERT 1 E	116.32	45.42	549	-15	4	38	2	38	56	-15	-15	38	60	-23	42	60	-23	PG	64	-28					
ID	FREMONT	ST ANTHONY 1 WNW	113.67	42.62	1281	-24	6	34	3	34	54	-24	-24	34	59	-36	40	59	-36	PG	64	-28					
ID	BENEAH	ST MARIES	111.72	43.97	1510	-31	4	32	2	32	51	-31	-31	32	55	-39	36	55	-39	PG	58	-40					
ID	LEMI	SALMON AIRPORT	116.57	47.32	677	-23	6	34	2	34	52	-23	-23	34	56	-40	38	56	-40	PG	58	-40					
ID	BONNER	SALMON KSRA	113.88	45.12	1205	-28	6	35	2	35	54	-28	-28	35	58	-40	39	58	-40	PG	58	-40					
ID	LINCOLN	SANDPOINT EXP STATION	113.90	45.18	1199	-28	4	35	1	35	54	-28	-28	37	56	-36	37	56	-36	PG	58	-40					
ID	LEMI	SHOSHONE 1 WNW	116.57	48.28	640	-23	6	32	2	32	50	-23	-23	32	54	-35	36	54	-35	PG	58	-40					
ID	CUSTER	SHOUP	114.43	42.97	1205	-24	5	36	2	36	55	-24	-24	36	59	-34	40	59	-34	PG	64	-34					
ID	CUSTER	STANLEY	114.30	45.37	1037	-23	4	34	1	34	53	-23	-23	34	55	-31	36	55	-31	PG	58	-34					
ID	CASSIA	STREVELL	113.25	42.02	1610	-24	4	32	2	32	52	-24	-24	32	56	-32	36	56	-32	PG	58	-40					
ID	MADISON	SUGAR	111.75	43.88	1492	-31	4	32	2	32	51	-31	-31	32	55	-39	36	55	-39	PG	58	-40					
ID	BLAINE	SUN VALLEY	114.35	43.70	1824	-33	4	32	1	32	51	-33	-33	32	53	-41	34	53	-41	PG	58	-46					
ID	ADA	SWAN FALLS POWERHOUSE	116.00	43.25	711	-17	4	39	2	39	58	-17	-17	39	62	-25	43	62	-25	PG	64	-28					
ID	BONNEVILLE	SWAN VALLEY 2 E	111.30	43.45	1635	-32	4	32	1	32	51	-32	-32	32	53	-40	34	53	-40	PG	58	-40					

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		
						LOW	TEMP	HIGH	STD	TEMPERATURES				TEMPERATURES				MAX AIR	MIN AIR	PVT
										AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT			
ID	TETON	TETONIA EXP STN	111.27	43.85	1882	-32	4	30	1	-32	4	30	1	30	49	-32	-32	PG 52	-34	PG 52 -40
ID	OWHEE	THREE CREEK	115.25	42.08	1665	-28	5	33	2	-28	5	33	2	33	53	-28	-28	PG 58	-40	PG 58 -40
ID	TWIN FALLS	TWIN FALLS 2 NNE	114.47	42.58	1126	-21	5	35	2	-21	5	35	2	35	54	-21	-21	PG 58	-22	PG 64 -34
ID	TWIN FALLS	TWIN FALLS 3 SE	114.42	42.53	1150	-20	4	34	1	-20	4	34	1	34	54	-20	-20	PG 58	-22	PG 58 -28
ID	TWIN FALLS	TWIN FALLS WSO	114.35	42.55	1208	-21	4	33	1	-21	4	33	1	33	53	-21	-21	PG 58	-22	PG 58 -34
ID	SHOSHONE	WALLACE	115.93	47.47	845	-22	4	33	3	-22	4	33	3	33	51	-22	-22	PG 52	-22	PG 58 -34
ID	IDAHO	WALLACE WOLND PK	115.88	47.50	897	-24	5	32	2	-24	5	32	2	32	50	-24	-24	PG 52	-28	PG 58 -34
ID	WASHINGTON	WARREN	115.67	45.27	1803	-34	5	29	1	-34	5	29	1	29	48	-34	-34	PG 52	-34	PG 64 -46
ID	LEWIS	WEISER 2 SE	116.95	44.23	640	-22	6	37	2	-22	6	37	2	37	56	-22	-22	PG 58	-22	PG 64 -40
KS	DICKINSON	WINCHESTER 1 ESE	116.57	46.23	1208	-27	6	31	2	-27	6	31	2	31	50	-27	-27	PG 52	-28	PG 64 -34
KS	BARBER	ABILENE 2 W	97.25	38.92	357	-23	4	37	2	-23	4	37	2	37	57	-23	-23	PG 58	-28	PG 64 -28
KS	HARPER	AETNA 2 S	98.97	37.07	479	-21	3	39	2	-21	3	39	2	39	60	-21	-21	PG 64	-22	PG 64 -28
KS	CLARK	ANTHONY	98.02	37.15	409	-18	5	39	2	-18	5	39	2	39	60	-18	-18	PG 64	-22	PG 64 -34
KS	ATCHISON	ASHLAND	98.77	37.20	601	-21	4	39	2	-21	4	39	2	39	60	-21	-21	PG 64	-22	PG 64 -34
KS	REPUBLIC	ATCHISON	95.12	39.57	290	-23	3	35	2	-23	3	35	2	35	55	-23	-23	PG 58	-28	PG 64 -34
KS	MITCHELL	BELLEVILLE	97.63	39.83	470	-23	3	37	2	-23	3	37	2	37	57	-23	-23	PG 58	-28	PG 64 -34
KS	RUSH	BELOIT	98.10	39.48	445	-24	4	38	2	-24	4	38	2	38	58	-24	-24	PG 64	-28	PG 64 -34
KS	SHERMAN	BISON	99.20	38.52	613	-23	4	39	2	-23	4	39	2	39	59	-23	-23	PG 64	-28	PG 64 -34
KS	JEWELL	BREWSTER 1 W	101.40	39.37	1049	-26	4	37	3	-26	4	37	3	37	57	-26	-26	PG 64	-34	PG 64 -34
KS	BUTLER	BURR OAK	98.30	39.88	506	-26	4	38	3	-26	4	38	3	38	58	-26	-26	PG 64	-34	PG 64 -34
KS	TREGO	CASSIDAY	96.63	38.05	445	-23	3	37	3	-23	3	37	3	37	57	-23	-23	PG 58	-28	PG 64 -34
KS	CHAUTAUQUA	CEDAR BLUFF DAM	98.72	38.80	653	-23	4	37	3	-23	4	37	3	37	57	-23	-23	PG 58	-28	PG 64 -34
KS	NEMAH	CEDAR VALE	96.50	37.10	302	-18	3	36	2	-18	3	36	2	36	56	-18	-18	PG 58	-28	PG 64 -28
KS	NEGOHO	CENTRALIA	96.12	39.72	403	-24	3	36	2	-24	3	36	2	36	56	-24	-24	PG 58	-28	PG 64 -34
KS	GRAY	CHANUTE FAA AP	95.48	37.67	289	-21	4	36	2	-21	4	36	2	36	57	-21	-21	PG 58	-22	PG 64 -34
KS	CLAY	CIMARRON	100.35	37.82	833	-23	3	38	2	-23	3	38	2	38	58	-23	-23	PG 64	-28	PG 64 -34
KS	THOMAS	CLAY CENTER	97.12	39.38	372	-23	3	38	2	-23	3	38	2	38	58	-23	-23	PG 58	-28	PG 64 -34
KS	COMANCHE	COLBY	101.05	39.40	958	-24	3	37	2	-24	3	37	2	37	57	-24	-24	PG 58	-28	PG 64 -34
KS	CLOUD	COLBY 1 SW	101.07	39.38	967	-26	4	36	2	-26	4	36	2	36	56	-26	-26	PG 58	-28	PG 64 -28
KS	CHASE	COLDWATER	99.33	37.27	634	-19	3	38	2	-19	3	38	2	38	59	-19	-19	PG 64	-28	PG 64 -34
KS	MORRIS	CONCORDIA WSO AP	97.65	39.55	448	-23	3	37	2	-23	3	37	2	37	57	-23	-23	PG 58	-22	PG 64 -28
KS	ROD	COTTONWOOD FALLS	96.55	38.37	375	-22	3	37	2	-22	3	37	2	37	57	-22	-22	PG 58	-22	PG 64 -34
KS	BUTLER	COUNCIL GROVE LAKE	96.52	38.68	403	-23	4	36	2	-23	4	36	2	36	56	-23	-23	PG 58	-28	PG 64 -34
KS	MONTGOMERY	DODGE CITY WSO AP	99.97	37.77	787	-21	3	37	2	-21	3	37	2	37	58	-21	-21	PG 58	-22	PG 64 -28
KS	MORTON	EL DORADO	96.83	37.82	409	-21	4	37	2	-21	4	37	2	37	58	-21	-21	PG 58	-22	PG 64 -34
KS	GREENWOOD	ELK CITY LAKE	95.80	37.28	241	-22	4	36	2	-22	4	36	2	36	57	-22	-22	PG 58	-22	PG 64 -34
KS	GREENWOOD	ELKHART 6 NNE	101.85	37.08	1098	-22	4	37	2	-22	4	37	2	37	58	-22	-22	PG 58	-22	PG 64 -34
KS	MARION	EMPORIA 1 S	96.18	38.38	329	-22	4	37	3	-22	4	37	3	37	57	-22	-22	PG 58	-22	PG 64 -34
KS	BOURBON	EMPORIA FAA AP	96.28	38.32	317	-21	4	38	3	-21	4	38	3	38	59	-21	-21	PG 58	-22	PG 70 -34
KS	WILSON	EUREKA	96.08	37.65	311	-21	4	37	2	-21	4	37	2	37	58	-21	-21	PG 58	-22	PG 64 -34
KS	FINNEY	FALL RIVER LAKE	96.93	38.25	394	-22	3	37	3	-22	3	37	3	37	58	-22	-22	PG 58	-22	PG 64 -28
KS	ANDERSON	FLORENCE	94.70	37.85	259	-20	4	37	2	-20	4	37	2	37	58	-20	-20	PG 58	-22	PG 64 -28
KS	CRAWFORD	FORT SCOTT	95.80	37.53	284	-21	4	38	3	-21	4	38	3	38	59	-21	-21	PG 58	-22	PG 70 -34
KS	MITCHELL	FREDONIA 1 E	100.72	37.93	878	-22	4	38	2	-22	4	38	2	38	59	-22	-22	PG 64	-22	PG 64 -34
KS	SHERMAN	GARDEN CITY FAA AP	100.82	37.98	875	-23	3	37	1	-23	3	37	1	37	58	-23	-23	PG 58	-28	PG 64 -34
KS	BARTON	GARDEN CITY EXP STATION	100.82	37.98	875	-23	3	37	1	-23	3	37	1	37	58	-23	-23	PG 58	-28	PG 64 -34
KS	KIOWA	GARNETT 1 E	95.23	38.28	299	-21	4	36	2	-21	4	36	2	36	57	-21	-21	PG 58	-22	PG 64 -28
KS	ELLIS	GIRARD	94.83	37.52	302	-20	4	36	2	-20	4	36	2	36	57	-20	-20	PG 58	-22	PG 64 -28
KS	ANDERSON	GLEN ELDER LAKE	98.32	39.50	458	-24	4	37	2	-24	4	37	2	37	57	-24	-24	PG 58	-28	PG 64 -34
KS	CRAWFORD	GOODLAND WSO AP	101.70	39.37	1113	-24	4	36	2	-24	4	36	2	36	56	-24	-24	PG 58	-28	PG 64 -34
KS	MITCHELL	GREAT BEND	98.77	38.35	564	-21	3	38	2	-21	3	38	2	38	58	-21	-21	PG 64	-22	PG 64 -28
KS	SHERMAN	GREENSBURG	99.30	37.62	680	-21	3	38	2	-21	3	38	2	38	59	-21	-21	PG 64	-22	PG 64 -28
KS	BARTON	HAYS 1 S	99.33	38.87	613	-24	3	38	2	-24	3	38	2	38	58	-24	-24	PG 64	-28	PG 64 -34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		RG	HT
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
KS	LANE	HEALY	100.62	38.60	869	-24	4	38	2	38	58	-24	-24	42	62	-32	-32	RG	64-34
KS	DICKINSON	HERINGTON	96.95	38.67	409	-23	3	37	2	37	57	-23	-23	41	61	-29	-29	RG	64-34
KS	GRAHAM	HILL CITY FAA AIRPORT	99.83	39.38	671	-23	4	38	2	38	58	-23	-23	42	62	-31	-31	RG	64-34
KS	JACKSON	HOLTON	95.77	39.47	342	-24	4	36	2	36	56	-24	-24	40	60	-32	-32	RG	64-34
KS	BROWN	HORTON	95.52	39.67	314	-25	4	36	2	36	56	-25	-25	40	60	-33	-33	RG	64-34
KS	ELK	HOWARD 5 NE	96.20	37.52	336	-21	3	37	2	37	57	-21	-21	41	62	-27	-27	RG	64-28
KS	SHERIDAN	HOXIE	100.45	39.35	820	-24	3	38	2	38	58	-24	-24	42	62	-30	-30	RG	64-34
KS	STAFFORD	HUDSON	98.65	38.10	570	-21	3	38	2	38	58	-21	-21	42	62	-27	-27	RG	64-28
KS	STEVENS	HUGOTON	101.35	37.18	949	-21	3	37	1	37	57	-21	-21	39	60	-27	-27	RG	64-28
KS	MITCHELL	HUNTER	98.40	39.23	488	-25	3	38	3	38	58	-25	-25	44	64	-31	-31	RG	64-34
KS	PERO	HUTCHINSON 10 SW	98.03	37.93	479	-22	3	38	2	38	58	-22	-22	42	62	-28	-28	RG	64-28
KS	LANE	IMPERIAL	100.65	38.28	857	-23	4	37	2	37	57	-23	-23	41	61	-31	-31	RG	64-34
KS	MONTGOMERY	INDEPENDENCE	95.70	37.25	238	-19	4	37	3	37	57	-19	-19	43	63	-27	-27	RG	64-28
KS	ALLEN	IOLA 1 W	95.43	37.92	290	-21	3	36	2	36	56	-21	-21	40	60	-27	-27	RG	64-28
KS	ALLEN	IOLA	95.40	37.92	293	-19	4	37	3	37	57	-19	-19	43	63	-27	-27	RG	64-28
KS	HODGEMAN	JETMORE	99.80	38.08	702	-23	3	38	2	38	58	-23	-23	42	62	-29	-29	RG	64-34
KS	CORREY	JOHN REDMOND LAKE	95.75	38.25	332	-23	4	36	3	36	56	-23	-23	42	62	-31	-31	RG	64-34
KS	STANTON	JOHNSON 11 ESE	101.57	37.53	967	-23	4	38	2	38	58	-23	-23	42	62	-31	-31	RG	64-34
KS	STANTON	JUNCTION CITY	96.83	39.05	317	-21	3	38	2	38	58	-21	-21	42	62	-27	-27	RG	64-28
KS	ELLSWORTH	KANOPOLIS LAKE	97.95	38.60	454	-22	4	38	2	38	58	-22	-22	42	62	-30	-30	RG	64-34
KS	KINGMAN	KINGMAN	98.12	37.63	461	-21	3	39	2	39	60	-21	-21	43	63	-27	-27	RG	64-28
KS	EDWARDS	KINSLEY	99.42	37.92	662	-21	3	38	2	38	58	-21	-21	42	62	-27	-27	RG	64-28
KS	PHILLIPS	KIRWIN DAM	98.12	39.67	518	-25	4	38	2	38	58	-25	-25	42	62	-33	-33	RG	64-34
KS	KEARNEY	LAKIN	101.25	37.93	915	-23	3	38	2	38	58	-23	-23	42	62	-29	-29	RG	64-34
KS	PAWNEE	LARNED	99.08	38.18	610	-22	4	38	2	38	58	-22	-22	42	62	-30	-30	RG	64-34
KS	DOUGLAS	LAWRENCE	95.27	38.97	305	-21	3	36	2	36	56	-21	-21	40	60	-27	-27	RG	64-28
KS	LEAVENWORTH	LEAVENWORTH 4 SSE	94.88	39.27	262	-22	4	36	2	36	56	-22	-22	40	60	-30	-30	RG	64-34
KS	WICHITA	LEOTI	101.35	38.48	1006	-23	4	37	1	37	57	-23	-23	39	59	-31	-31	RG	64-34
KS	SEWARD	LIBERAL	100.92	37.05	863	-20	4	38	1	38	59	-20	-20	40	61	-28	-28	RG	64-28
KS	LINCOLN	LINCOLN 1 ESE	98.12	39.03	421	-24	4	39	2	39	59	-24	-24	43	63	-32	-32	RG	64-34
KS	JEWELL	LOVEWELL DAM	98.03	39.90	488	-25	3	36	2	36	56	-25	-25	40	60	-31	-31	RG	64-34
KS	RILEY	MANHATTAN	96.58	39.20	326	-23	4	37	2	37	57	-23	-23	41	61	-31	-31	RG	64-34
KS	RILEY	MANHATTAN AGRONOMY FARM	96.60	39.20	339	-22	3	37	2	37	57	-22	-22	41	61	-28	-28	RG	64-28
KS	JEWELL	MANKATO	98.22	39.78	543	-24	3	37	2	37	57	-24	-24	41	61	-30	-30	RG	64-34
KS	MARION	MARION LAKE	97.08	38.38	418	-23	3	37	2	37	57	-23	-23	41	61	-29	-29	RG	64-34
KS	MARSHALL	MARYSVILLE	96.65	39.83	354	-24	3	37	2	37	57	-24	-24	41	61	-30	-30	RG	64-34
KS	RAWLINS	MC DONALD	101.37	38.78	1025	-25	3	37	1	37	57	-25	-25	39	59	-31	-31	RG	64-34
KS	MCHENSON	MC PHERSON	97.67	38.38	458	-22	3	38	2	38	58	-22	-22	42	62	-28	-28	RG	64-28
KS	MEADE	MEADE	100.33	37.28	756	-21	4	38	2	38	58	-21	-21	43	63	-29	-29	RG	64-34
KS	BARBER	MEDICINE LODGE	98.58	37.28	458	-21	4	39	2	39	60	-21	-21	43	63	-29	-29	RG	64-34
KS	GEARY	MILFORD LAKE	96.88	39.08	369	-22	4	37	2	37	57	-22	-22	41	61	-30	-30	RG	64-34
KS	OTTAWA	MINNEAPOLIS	97.72	39.13	396	-23	4	38	2	38	58	-23	-23	42	62	-31	-31	RG	64-34
KS	LINN	MOUND CITY	94.82	38.13	262	-22	4	37	2	37	57	-22	-22	41	61	-30	-30	RG	64-34
KS	LABETTE	MOUND VALLEY 3 WSW	95.45	37.18	244	-21	4	37	2	37	57	-21	-21	41	62	-29	-29	RG	64-34
KS	NESS	NESS CITY	99.90	38.45	686	-23	4	38	2	38	58	-23	-23	42	62	-31	-31	RG	64-34
KS	HARVEY	NEWTON 2 SW	97.38	38.03	442	-22	3	38	2	38	58	-22	-22	42	62	-28	-28	RG	64-34
KS	NORTON	NEWTON DAM	99.93	39.82	714	-25	4	36	2	36	56	-25	-25	40	60	-33	-33	RG	64-34
KS	NORTON	NORTON 9 SSE	99.83	39.70	720	-24	3	37	2	37	57	-24	-24	41	61	-30	-30	RG	64-34
KS	KINGMAN	NORWICH	97.85	37.45	454	-19	3	38	2	38	58	-19	-19	42	62	-25	-25	RG	64-28
KS	DECATUR	OBERLIN	100.53	39.83	796	-26	3	38	2	38	58	-26	-26	42	62	-32	-32	RG	64-28
KS	JOHNSON	OLATHE 3 E	94.77	38.88	323	-22	3	35	2	35	55	-22	-22	39	59	-28	-28	RG	64-28
KS	OSAGE	OSAGE CITY	95.83	38.63	336	-22	4	36	2	36	56	-22	-22	40	60	-30	-30	RG	64-34
KS	JEFFERSON	OSKALOOSA	95.32	39.22	339	-23	3	36	2	36	56	-23	-23	40	60	-29	-29	RG	64-34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY			BINDER GRADE		
						LOW TEMP	HIGH TEMP	STD	TEMPERATURES			PG	HT	LT
						AVG	AVG	STD	MAX AIR	MIN AIR	PVT			
KS FRANKLIN		OTTAWA	95.28	38.62	274	-22	4	37	37	57	-22	PG 58	-22	PG 64
KS MIAMI		PACLA	94.87	38.58	262	-22	4	36	36	56	-22	PG 58	-22	PG 64
KS LABETTE		PARSONS 2 NW	95.28	37.37	278	-19	4	37	37	58	-19	PG 58	-22	PG 64
KS JEFFERSON		PERRY LAKE	95.42	38.12	293	-23	4	36	36	56	-23	PG 58	-28	PG 64
KS PHILLIPS		PHILLIPSBURG 1 SSE	99.32	39.73	583	-24	3	38	38	58	-24	PG 64	-34	PG 64
KS OSAGE		POMONA LAKE	95.57	38.65	323	-22	3	36	36	56	-22	PG 58	-28	PG 64
KS PRATT		PRATT 4 W	98.80	37.63	580	-21	3	38	38	59	-21	PG 64	-28	PG 64
KS GOVE		QUINTER	100.23	39.07	814	-23	3	37	37	57	-23	PG 58	-28	PG 64
KS RUSSELL		RUSSELL FAA AIRPORT	98.82	38.87	567	-23	4	38	38	58	-23	PG 64	-34	PG 64
KS LOGAN		RUSSELL SPRINGS	101.18	38.90	903	-25	3	38	38	58	-25	PG 64	-34	PG 64
KS NEMAH		SABETHA LAKE	95.90	39.90	381	-25	3	35	35	55	-25	PG 58	-28	PG 64
KS CHEYENNE		SAINT FRANCIS	101.80	39.77	1025	-25	4	37	37	57	-25	PG 58	-28	PG 64
KS SALINE		SALINA FAA AP	97.63	38.80	384	-22	4	38	38	58	-22	PG 64	-34	PG 64
KS SCOTT		SCOTT CITY	100.90	38.48	906	-22	3	37	37	57	-23	PG 58	-28	PG 64
KS WALLACE		SHARON SPRINGS	101.75	38.90	1052	-23	3	38	38	58	-23	PG 64	-34	PG 64
KS SMITH		SMITH CENTER	98.78	39.77	546	-24	3	38	38	58	-24	PG 64	-34	PG 64
KS RICE		STERLING	98.20	38.22	500	-21	3	38	38	58	-21	PG 64	-34	PG 64
KS HASKELL		SUBLETTE	100.85	37.48	891	-22	4	37	37	58	-22	PG 64	-34	PG 64
KS HAMILTON		SYRACUSE	101.75	37.98	994	-25	4	38	38	59	-25	PG 64	-34	PG 64
KS SHAWNEE		TOPEKA WSO AP	95.63	39.07	265	-23	4	36	36	56	-23	PG 58	-28	PG 64
KS WOODSON		TORONTO LAKE	95.93	37.75	293	-21	4	36	36	57	-21	PG 58	-28	PG 64
KS GREELEY		TRIBUNE 1 W	101.77	38.47	1110	-24	4	37	37	57	-24	PG 58	-28	PG 64
KS DONIPHAN		TROY 4 WSW	95.15	39.77	339	-24	3	35	35	55	-24	PG 58	-28	PG 64
KS RILEY		TUTTLE CREEK LAKE	96.60	39.25	323	-24	4	37	37	57	-24	PG 58	-28	PG 64
KS GRANT		ULYSSES 1 SE	101.35	37.57	924	-23	4	38	38	59	-23	PG 64	-34	PG 64
KS POTTAWATOMIE		WAMEGO	96.32	39.22	308	-23	4	37	37	57	-23	PG 58	-28	PG 64
KS WASHINGTON		WASHINGTON	97.05	39.82	396	-25	4	37	37	57	-25	PG 58	-28	PG 64
KS ROCKS		WEBSTER DAM	99.42	39.42	567	-24	4	38	38	58	-24	PG 64	-34	PG 64
KS SUMNER		WELLINGTON 2 S	97.40	37.23	375	-19	3	38	38	59	-19	PG 64	-28	PG 64
KS SEDGWICK		WICHITA WSO AP	97.43	37.65	403	-20	3	38	38	59	-20	PG 64	-28	PG 64
KS RUSSELL		WILSON LAKE	98.48	38.97	461	-23	3	38	38	58	-23	PG 64	-34	PG 64
KS LOGAN		WINONA	101.25	39.07	1016	-23	3	37	37	57	-23	PG 58	-28	PG 64
KS WOODSON		YATES CENTER	95.72	37.88	329	-21	3	37	37	58	-21	PG 58	-28	PG 64

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN	MAX PVT	MIN PVT	MAX AIR	MIN	MAX PVT	MIN PVT		
MT CARTER		ALBION 6 NE	104.20	45.25	1004	-34	4	35	2	35	54	-34	-34	39	58	-42	-42	PG	58 -46
MT MADISON		ALDER 17 S	112.07	45.07	1784	-32	4	31	1	31	50	-32	-32	33	52	-40	-40	PG	52 -40
MT LEWIS AND CLARK		AUGUSTA	112.38	47.48	1241	-36	4	32	2	32	50	-36	-36	36	54	-44	-44	PG	58 -46
MT LEWIS AND CLARK		AUSTIN 1 W	112.27	46.65	1525	-32	4	31	2	31	49	-32	-32	35	53	-40	-40	PG	58 -40
MT GLACIER		BABB 6 NE	113.37	48.93	1312	-37	4	29	2	29	47	-37	-37	33	51	-45	-45	PG	52 -46
MT YELLOWSTONE		BALLANTINE	108.13	45.95	915	-33	5	36	2	36	54	-33	-33	40	58	-43	-43	PG	64 -46
MT GOLDEN VALLEY		BARBER	109.37	46.32	1138	-33	4	32	2	32	50	-33	-33	36	54	-41	-41	PG	58 -46
MT GALLATIN		BELGRADE AP	111.15	45.78	1357	-36	4	33	2	33	52	-36	-36	37	55	-44	-44	PG	58 -46
MT POWDER RIVER		BIDDLE 8 SW	105.47	45.05	1098	-33	4	35	1	35	54	-33	-33	37	56	-41	-41	PG	58 -46
MT LAKE		BIGFORK 13 S	114.03	47.88	918	-21	5	31	3	31	49	-21	-21	37	55	-31	-31	PG	58 -34
MT CHOUTEAU		BIG SANDY	110.12	48.17	824	-36	5	35	3	35	53	-36	-36	41	58	-46	-46	PG	64 -46
MT SWEET GRASS		BIG TIMBER	109.95	45.83	1250	-31	5	34	2	34	53	-31	-31	38	56	-41	-41	PG	64 -46
MT YELLOWSTONE		BILLINGS WATER PLANT	108.48	45.77	946	-32	5	36	2	36	54	-32	-32	40	58	-42	-42	PG	64 -46
MT YELLOWSTONE		BILLINGS WSO AP	108.53	45.80	1089	-28	4	34	2	34	53	-28	-28	38	56	-36	-36	PG	58 -40
MT ROSEBUD		BIRNEY	106.52	45.32	964	-34	5	36	2	36	55	-34	-34	40	58	-44	-44	PG	64 -46
MT TETON		BLACKLEAF	112.43	48.02	1293	-34	4	31	2	31	49	-34	-34	35	53	-42	-42	PG	58 -46
MT DAWSON		BLOOMFIELD	104.92	47.42	799	-34	4	34	2	34	52	-34	-34	38	56	-42	-42	PG	58 -46
MT JEFFERSON		BOULDER ST SCHOOL	112.12	46.23	1494	-33	7	32	1	32	51	-33	-33	34	52	-47	-47	PG	58 -52
MT CARTER		BOYES	105.02	45.27	1016	-34	8	34	2	34	53	-34	-34	38	57	-50	-50	PG	58 -52
MT GALLATIN		BOZEMAN MON ST UNIV	111.05	45.67	1482	-31	4	31	2	31	50	-31	-31	35	54	-39	-39	PG	58 -40
MT GALLATIN		BOZEMAN 6 W EXP FARM	111.15	45.67	1458	-32	4	31	1	31	50	-32	-32	33	52	-40	-40	PG	52 -40
MT GALLATIN		BOZEMAN 12 NE	110.88	45.82	1815	-36	5	28	2	28	47	-36	-36	32	51	-46	-46	PG	52 -46
MT CHOUTEAU		BRADY AZNOE	111.33	47.95	1016	-34	6	33	2	33	51	-34	-34	37	55	-46	-46	PG	58 -46
MT ROSEBUD		BRANDENBERG	106.22	45.82	845	-34	3	36	2	36	54	-34	-34	40	58	-40	-40	PG	64 -40
MT ROOSEVELT		BREDETTE	105.27	48.55	820	-34	7	34	2	34	52	-34	-34	38	55	-48	-48	PG	58 -52
MT BROADVIEW		BROADUS	105.40	45.43	924	-34	4	35	2	35	54	-34	-34	39	57	-42	-42	PG	58 -46
MT YELLOWSTONE		BROADVIEW	108.88	46.10	1183	-32	4	34	2	34	52	-32	-32	38	56	-40	-40	PG	58 -40
MT MOON		BROCKWAY 3 WSW	105.82	47.28	802	-36	4	34	2	34	52	-36	-36	38	56	-44	-44	PG	58 -46
MT GLACIER		BROWNING	113.02	48.57	1330	-34	7	29	2	29	47	-34	-34	33	51	-48	-48	PG	52 -52
MT SILVER BOW		BUTTE FAA AP	112.50	45.95	1690	-33	7	31	2	31	50	-33	-33	35	53	-47	-47	PG	58 -52
MT LEWIS AND CLARK		CANYON FERRY DAM	111.73	46.65	1119	-27	9	33	2	33	51	-27	-27	37	55	-45	-45	PG	58 -46
MT WIBAUX		CARLYLE 12 NW	104.28	46.77	924	-33	4	33	2	33	51	-33	-33	37	55	-41	-41	PG	58 -46
MT CASCADE		CASCADE 5 S	111.72	47.22	1034	-36	5	33	2	33	51	-36	-36	37	55	-46	-46	PG	58 -46
MT CASCADE		CASCADE 20 SSE	111.58	47.00	1403	-34	7	31	2	31	49	-34	-34	35	53	-48	-48	PG	58 -52
MT LIBERTY		CHESTER	110.95	48.52	958	-37	4	33	2	33	51	-37	-37	37	55	-45	-45	PG	58 -46
MT BLAINE		CHINOOK	109.23	48.58	714	-37	5	34	2	34	52	-37	-37	38	55	-47	-47	PG	58 -52
MT TETON		CHOTEAU AIRPORT	112.17	47.82	1205	-33	5	32	2	32	50	-33	-33	36	54	-43	-43	PG	58 -46
MT MOON		CIRCLE	105.58	47.43	744	-35	4	35	2	35	53	-35	-35	39	57	-43	-43	PG	58 -46
MT BLAINE		CLEVELAND 5 NE	109.07	48.32	1016	-33	5	32	2	32	50	-33	-33	36	54	-43	-43	PG	58 -46
MT GARFIELD		COHAGEN	106.62	47.05	830	-37	4	36	2	36	54	-37	-37	40	58	-45	-45	PG	58 -46
MT ROSEBUD		COLSTRIP	106.62	45.88	982	-32	4	36	2	36	54	-32	-32	40	58	-40	-40	PG	64 -40
MT		COLUMBIA FALLS 5 SW	114.20	48.32	939	-28	6	33	2	33	51	-28	-28	37	55	-40	-40	PG	58 -40
MT STILLWATER		COLUMBUS	109.23	45.63	1095	-32	4	34	2	34	53	-32	-32	38	56	-40	-40	PG	58 -40
MT PONDERA		CONRAD AIRPORT	111.97	48.17	1080	-34	4	32	3	32	50	-34	-34	38	56	-42	-42	PG	58 -46
MT PHILLIPS		CONTENT 1 SE	107.55	47.98	714	-36	5	34	2	34	52	-36	-36	38	56	-46	-46	PG	58 -46
MT PARK		COOKE CITY 2 W	108.97	45.02	2275	-36	4	27	1	27	46	-36	-36	29	48	-44	-44	PG	52 -46
MT FLATHEAD		CRESTON	114.13	48.18	897	-28	6	32	1	32	50	-28	-28	34	52	-40	-40	PG	52 -40
MT BIG HORN		CROW AGENCY	107.45	45.60	924	-34	4	36	2	36	55	-34	-34	40	58	-42	-42	PG	64 -46
MT ROOSEVELT		CULBERTSON	104.50	48.15	586	-37	4	34	2	34	52	-37	-37	38	56	-45	-45	PG	58 -46
MT GLACIER		CUT BANK FAA AP	112.37	48.60	1171	-35	5	31	2	31	49	-35	-35	35	53	-45	-45	PG	58 -46
MT RAVALLI		DARBY	114.17	46.02	1183	-27	6	33	2	33	52	-27	-27	37	55	-39	-39	PG	58 -40
MT		DEER LODGE	112.73	46.38	1382	-32	6	31	3	31	50	-32	-32	37	55	-44	-44	PG	58 -46
MT POWELL		DEER LODGE 3 W	112.80	46.40	1479	-34	4	31	1	31	50	-34	-34	33	51	-42	-42	PG	52 -46

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
			LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
			AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT		
MT	GLACIER	DEL BONITA	112.78	49.00	1324	-34	4	29	47	-34	33	51	-42	-42	PG	52-46
MT	FERGUS	DENTON 1 NNE	109.95	47.33	1104	-36	4	32	50	-36	36	54	-44	-44	PG	58-46
MT	BEAVERHEAD	DILLON AIRPORT	112.55	45.25	1592	-31	4	32	51	-31	36	55	-39	-39	PG	58-40
MT	BEAVERHEAD	DILLON WM C E	112.63	45.20	1595	-32	4	32	51	-32	36	55	-40	-40	PG	58-40
MT	SILVER BOW	DIVIDE 2 NW	112.78	45.77	1650	-30	7	30	49	-30	32	51	-44	-44	PG	52-46
MT	GRANITE	DRUMMOND AVIATION	113.15	46.67	1202	-33	5	33	51	-33	35	53	-43	-43	PG	58-46
MT	TOOLE	DRUMMOND FAA AP	113.20	46.62	1293	-34	6	32	50	-34	36	54	-46	-46	PG	58-46
MT	DEERLODGE	DUNKIRK 15 NNE	111.60	48.70	1031	-34	4	33	51	-34	37	54	-42	-42	PG	58-46
MT	EAST ANACONDA		112.92	46.10	1681	-28	4	30	49	-28	34	52	-36	-36	PG	58-40
MT	EKALAKA		104.53	45.88	1046	-33	4	34	53	-33	38	56	-41	-41	PG	58-46
MT	CARTER	ELLISTON	112.43	46.57	1549	-34	4	31	49	-34	35	53	-42	-42	PG	58-46
MT	POWELL		111.72	45.35	1510	-30	4	32	51	-30	34	53	-38	-38	PG	58-46
MT	MADISON	ENNIS	115.07	48.90	772	-31	6	35	52	-31	39	56	-43	-43	PG	58-46
MT	LINCOLN	EUREKA R S	111.98	47.62	1214	-32	4	32	50	-32	36	54	-40	-40	PG	58-40
MT	TETON	FAIRFIELD	104.05	47.85	589	-36	5	34	52	-36	38	56	-46	-46	PG	58-46
MT	FAIRVIEW		108.32	46.85	958	-33	5	35	53	-33	37	54	-45	-45	PG	58-46
MT	PETROLEUM	FLATWILLOW 4 ENE	107.47	48.78	793	-37	4	33	51	-37	37	54	-47	-47	PG	58-52
MT	PHILLIPS	FORKS 4 NNE	106.62	46.27	830	-33	4	36	54	-33	40	58	-41	-41	PG	64-46
MT	ROSEBUD	FORSYTH 2 E	109.80	48.50	796	-35	4	34	52	-35	38	55	-44	-44	PG	58-46
MT	HILL	FORT ASSINIBOINE	110.67	47.82	805	-34	5	34	52	-34	38	56	-44	-44	PG	58-46
MT	CHOUTEAU	FORT BENTON	114.90	48.78	915	-33	7	33	51	-33	37	54	-47	-47	PG	58-52
MT	LINCOLN	FORTUNE 1 N	106.40	48.02	631	-33	4	35	53	-33	39	57	-41	-41	PG	58-46
MT	MOONE	FORT PECK PWR PL	110.68	45.03	1610	-28	4	33	52	-28	37	56	-36	-36	PG	58-40
MT	PARK	GARDINER	110.27	47.60	955	-33	6	34	52	-33	38	56	-45	-45	PG	58-46
MT	CHOUTEAU	GERALDINE	112.77	47.60	1400	-32	4	30	48	-32	34	52	-40	-40	PG	52-40
MT	LEWIS AND CLARK	GBSDONE DAM	110.30	48.58	860	-34	6	34	52	-34	38	55	-46	-46	PG	58-46
MT	HILL	GILFORD	106.62	48.22	695	-34	4	34	52	-34	39	57	-50	-50	PG	58-52
MT	VALLEY	GLASGOW WSO AP	112.68	45.52	1540	-32	5	32	51	-32	36	54	-43	-43	PG	58-46
MT	MADISON	GLEN 4 N	104.72	47.10	634	-35	4	31	49	-35	35	52	-43	-43	PG	64-46
MT	DAWSON	GLENVIEW	111.40	48.98	1068	-35	4	31	49	-35	35	52	-43	-43	PG	58-46
MT	TOOLE	GOLDBUTTE 7 N	108.80	47.03	1061	-32	5	34	52	-32	38	56	-42	-42	PG	58-46
MT	FERGUS	GRASS RANGE	111.30	47.52	1022	-32	5	33	51	-32	37	55	-42	-42	PG	58-46
MT	CASCADE	GREAT FALLS	111.37	47.48	1116	-32	4	33	51	-32	37	55	-40	-40	PG	58-40
MT	RAVALLI	GREAT FALLS WSCMO AP	114.15	46.25	1077	-27	6	33	51	-27	39	57	-39	-39	PG	58-40
MT	BIG HORN	HAMILTON	107.60	45.72	888	-33	6	36	55	-33	38	56	-45	-45	PG	64-46
MT	BLAINE	HARDIN	108.85	48.55	720	-36	4	34	52	-36	38	55	-44	-44	PG	58-46
MT	WHEATLAND	HARLEM 4 W	109.83	46.43	1263	-32	4	33	51	-32	37	55	-40	-40	PG	58-40
MT	MINERAL	HARLOWTON	115.35	47.38	952	-32	6	33	51	-32	38	56	-44	-44	PG	58-46
MT	HILL	HAUGAN 3 E (DEBORGA)	109.77	48.57	760	-35	6	34	52	-35	38	56	-47	-47	PG	58-52
MT	GARFIELD	HAYRE WB CITY	106.70	47.57	808	-36	4	34	52	-36	39	57	-44	-44	PG	58-46
MT	GALLATIN	HAYRE WSO AP	111.33	44.87	1980	-37	3	28	47	-37	32	51	-43	-43	PG	52-46
MT	LEWIS AND CLARK	HEBEN DAM	116.00	48.08	683	-26	6	33	51	-26	36	54	-38	-38	PG	58-40
MT	SANDERS	HELENA WSO AP	112.02	47.00	1064	-29	4	33	51	-29	37	55	-37	-37	PG	58-40
MT	VALLEY	HERON 2 NW	112.05	48.40	656	-36	9	34	52	-36	36	54	-39	-39	PG	58-40
MT	LEWIS AND CLARK	HINSDALE 1 E	114.55	47.62	848	-27	6	34	52	-27	36	54	-37	-37	PG	58-40
MT	SANDERS	HOT SPRINGS	114.00	48.35	964	-27	5	32	50	-27	36	54	-37	-37	PG	58-40
MT	FLATHEAD	HUNGRY HORSE DAM	108.25	45.92	912	-35	5	35	53	-35	39	57	-45	-45	PG	58-46
MT	YELLOWSTONE	HUNTLEY EXP STN	107.23	46.30	811	-34	5	36	54	-34	40	58	-44	-44	PG	64-46
MT	HYSHAM	HYSHAM	107.13	45.90	946	-35	5	34	53	-35	42	60	-45	-45	PG	64-46
MT	HYSHAM 25 SSE		109.78	47.80	900	-35	4	35	53	-35	39	57	-43	-43	PG	58-46
MT	CHOUTEAU	ILIAD														

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		
			LOW		HIGH		TEMPERATURES		MIN	PVT	TEMPERATURES		MIN	PVT	PG	HT	LT
			AVG	STD	AVG	STD	MAX	AIR			MAX	AIR					
MT	ROSEBUD	INGOMAR 11 NE	107.22	46.70	848	-37	6	36	2	36	54	-37	-37	PG	58	-40	PG 58 -52
MT	BEAVERHEAD	JACKSON 1 SE	113.40	45.37	2004	-31	8	28	2	28	47	-31	-31	PG	52	-34	PG 52 -52
MT	CARBON	JOLIET	108.97	45.48	1128	-32	3	34	1	34	53	-32	-32	PG	58	-34	PG 58 -40
MT	LIBERTY	JOPLIN	110.77	48.57	1006	-34	4	32	2	32	50	-34	-34	PG	52	-34	PG 58 -46
MT	GARFIELD	JORDAN	106.90	47.32	790	-37	6	36	3	36	54	-37	-37	PG	58	-40	PG 64 -52
MT	WHEATLAND	JUDITH GAP 13 E	109.48	46.68	1556	-33	3	29	2	29	48	-33	-33	PG	52	-34	PG 52 -40
MT	FLATHEAD	KALISPELL WSO AP	114.27	48.30	906	-28	5	32	2	32	50	-28	-28	PG	52	-28	PG 58 -40
MT	BEAVERHEAD	KALISPELL	114.30	48.20	906	-26	5	32	2	32	50	-26	-26	PG	52	-40	PG 52 -46
MT	ROSEBUD	LAKEVIEW	111.80	44.60	2047	-37	4	28	2	28	47	-37	-37	PG	58	-34	PG 64 -46
MT	MEAGHER	LAME DEER	106.65	45.62	1022	-34	5	36	2	36	55	-34	-34	PG	52	-34	PG 52 -46
MT	LENNAP 6 WSW	LENNAP 6 WSW	110.68	46.40	1793	-34	4	29	2	29	48	-34	-34	PG	52	-34	PG 58 -46
MT	FERGUS	LEWISTOWN FAA AP	109.45	47.07	1266	-33	4	32	2	32	50	-33	-33	PG	58	-34	PG 58 -46
MT	LINCOLN	LIBBY 1 NE R S	115.53	48.40	653	-29	6	36	2	36	54	-29	-29	PG	58	-34	PG 58 -46
MT	LINCOLN	LIBBY 32 SSE	115.22	47.97	1098	-30	6	31	2	31	49	-30	-30	PG	52	-34	PG 58 -46
MT	BEAVERHEAD	LIMA	112.58	44.65	1912	-33	5	30	3	30	49	-33	-33	PG	52	-34	PG 58 -46
MT	LEWIS AND CLARK	LINCOLN R S	112.65	46.95	1397	-36	5	32	2	32	50	-36	-36	PG	52	-40	PG 58 -46
MT	MISSOULA	LINDERBERG LAKE	113.72	47.40	1372	-32	5	32	2	32	50	-32	-32	PG	52	-34	PG 58 -46
MT	PARK	LIVINGSTON	110.57	45.67	1370	-31	5	33	2	33	52	-31	-31	PG	52	-34	PG 58 -46
MT	PARK	LIVINGSTON FAA AP	110.45	45.70	1418	-31	4	33	2	33	52	-31	-31	PG	52	-34	PG 58 -46
MT	MISSOULA	LOLO HOT SPRINGS 2 NE	114.52	46.75	1238	-33	4	32	3	32	50	-33	-33	PG	52	-34	PG 58 -46
MT	CHOUTEAU	LOMA 1 WNW	110.52	47.93	787	-37	6	36	2	36	54	-37	-37	PG	58	-40	PG 58 -46
MT	SANDERS	LOPINE 1 WNW	114.65	47.72	878	-28	8	33	2	33	51	-28	-28	PG	52	-28	PG 58 -46
MT	CHOUTEAU	LONESOME LAKE	110.20	48.25	842	-38	6	34	2	34	52	-38	-38	PG	52	-40	PG 58 -52
MT	VALLEY	LUSTRE 4 NNW	105.93	48.45	891	-34	3	33	2	33	51	-34	-34	PG	52	-34	PG 58 -40
MT	PHILLIPS	MALTA	107.87	48.35	689	-37	5	34	2	34	52	-37	-37	PG	52	-40	PG 58 -52
MT	PHILLIPS	MALTA 35 S	107.97	47.83	799	-37	4	34	4	34	52	-37	-37	PG	52	-40	PG 64 -46
MT	MEAGHER	MARTINDALE 3 NNW	110.33	46.50	1464	-32	6	31	2	31	49	-32	-32	PG	52	-34	PG 58 -46
MT	SHERIDAN	MEDICINE LAKE 3 SE	104.45	48.48	595	-38	4	34	2	34	52	-38	-38	PG	52	-40	PG 58 -46
MT	MUSSELSHELL	MELSTONE	107.87	46.60	891	-33	5	36	2	36	54	-33	-33	PG	58	-34	PG 64 -46
MT	SWEET GRASS	MELVILLE 4 W	110.05	46.10	1638	-33	4	28	2	28	47	-33	-33	PG	52	-34	PG 52 -46
MT	PRAIRIE	MILDRED	104.95	46.68	735	-36	4	37	2	37	55	-36	-36	PG	58	-40	PG 64 -46
MT	CLUSTER	MILES CITY	105.82	46.40	720	-34	4	36	2	36	54	-34	-34	PG	58	-34	PG 64 -46
MT	CLUSTER	MILES CITY FAA AP	105.87	46.43	802	-33	3	36	2	36	54	-33	-33	PG	58	-34	PG 64 -40
MT	MISSOULA	MISSOULA 2 NE	113.97	46.90	1043	-25	6	33	1	33	51	-25	-25	PG	52	-28	PG 58 -40
MT	MISSOULA	MISSOULA 2 WNW	114.03	46.88	967	-26	6	33	2	33	51	-26	-26	PG	52	-28	PG 58 -40
MT	MISSOULA	MISSOULA WSO AP	114.08	46.92	973	-27	5	34	2	34	52	-27	-27	PG	58	-28	PG 58 -40
MT	CLUSTER	MIZPAH 4 NNW	105.28	46.30	756	-37	4	36	2	36	54	-37	-37	PG	58	-40	PG 64 -46
MT	JUDITH BASIN	MOCCASIN EXP STN	109.95	47.05	1312	-33	5	32	2	32	50	-33	-33	PG	52	-34	PG 58 -46
MT	POWDER RIVER	MOORHEAD 9 NE	105.75	45.18	982	-33	4	35	2	35	54	-33	-33	PG	58	-34	PG 58 -46
MT	GARFIELD	MOOSBY 2 ENE	107.85	47.00	839	-33	4	36	2	36	54	-33	-33	PG	58	-34	PG 58 -46
MT	GARFIELD	MOOSBY 18 N	107.95	47.25	708	-36	5	36	2	36	54	-36	-36	PG	58	-40	PG 58 -46
MT	STILLWATER	MYSTIC LAKE	109.75	45.23	2001	-29	4	27	1	27	46	-29	-29	PG	52	-34	PG 52 -40
MT	CASCADE	NEIHART 8 NNW	110.78	47.05	1595	-34	5	30	2	30	48	-34	-34	PG	52	-34	PG 58 -46
MT	RICHLAND	NOHL 4 NW	104.13	48.03	580	-38	3	34	2	34	52	-38	-38	PG	52	-40	PG 58 -46
MT	MADISON	NORRIS 3 ENE	111.65	45.58	1464	-34	6	33	1	33	52	-34	-34	PG	52	-34	PG 58 -46
MT	MADISON	NORRIS MADISON P H	111.63	45.48	1449	-27	4	33	2	33	52	-27	-27	PG	52	-28	PG 58 -40
MT	FLATHEAD	ONEY	114.57	48.55	967	-31	7	32	2	32	50	-31	-31	PG	52	-34	PG 58 -46
MT	VALLEY	OPHEIM 10 N	106.38	49.00	909	-39	4	33	2	33	51	-39	-39	PG	52	-40	PG 58 -52
MT	VALLEY	OPHEIM 12 SSE	106.32	48.70	900	-37	3	32	2	32	50	-37	-37	PG	52	-40	PG 58 -46
MT	POWELL	OVANDO	113.13	47.02	1254	-36	6	32	2	32	50	-36	-36	PG	52	-40	PG 58 -52
MT	POWELL	OVANDO 7 WNW	113.28	47.05	1220	-37	9	33	2	33	51	-37	-37	PG	52	-40	PG 58 -40
MT	PHILLIPS	PHILLIPSBURG	113.30	46.33	1610	-32	4	31	2	31	50	-32	-32	PG	52	-34	PG 58 -40
MT	GRANITE	PHILLIPSBURG R S	113.30	46.32	1607	-33	4	31	1	31	50	-33	-33	PG	52	-34	PG 52 -46

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT		
MT	FLATHEAD	PLEASANT VALLEY	114.92	48.13	1098	-34	6	32	2	32	-34	-34	-34	36	54	-46	-46	PG	58-46
MT	FALLON	PLEVNA	104.50	46.42	845	-36	5	35	2	35	-36	-36	-36	39	57	-46	-46	PG	58-46
MT	FLATHEAD	POLEBRIDGE	114.27	48.77	1074	-36	4	31	2	31	-36	-36	-36	35	53	-44	-44	PG	58-46
MT	LAKE	POLSON	114.17	47.68	912	-23	6	32	2	32	-23	-23	-23	36	54	-35	-35	PG	58-40
MT	LAKE	POLSON KERR DAM	114.23	47.68	833	-23	5	33	2	33	-23	-23	-23	37	55	-33	-33	PG	58-34
MT	MADISON	PONY	111.90	45.67	1702	-31	4	29	2	29	-31	-31	-31	33	52	-39	-39	PG	52-40
MT	ROOSEVELT	POPLAR 2 E	105.15	48.13	610	-37	4	35	2	35	-37	-37	-37	39	57	-45	-45	PG	58-46
MT	MISSOULA	POTOMAC	113.58	46.88	1104	-35	6	33	1	33	-35	-35	-35	35	53	-47	-47	PG	58-52
MT	OUTER	POWDERVILLE 8 NNE	105.02	45.85	854	-35	4	37	2	37	-35	-35	-35	41	59	-43	-43	PG	64-46
MT	STILLWATER	RAPELJE 4 S	109.25	45.92	1260	-33	4	34	2	34	-33	-33	-33	38	56	-41	-41	PG	58-46
MT	SHERIDAN	RAYMOND BORDER STN	104.58	49.00	717	-36	3	33	2	33	-36	-36	-36	37	54	-42	-42	PG	58-46
MT	JUDITH BASIN	RAYNESFORD 2 NNW	110.75	47.30	1287	-33	4	31	2	31	-33	-33	-33	35	53	-41	-41	PG	58-46
MT	CARBON	RED LODGE	109.25	45.18	1702	-31	5	29	2	29	-31	-31	-31	38	55	-47	-47	PG	58-52
MT	SHERIDAN	REDSTONE	104.95	48.83	644	-39	4	34	2	34	-39	-39	-39	38	56	-46	-46	PG	58-46
MT	DAWSON	RICHEY	105.07	47.63	762	-36	5	34	2	34	-36	-36	-36	38	56	-44	-44	PG	58-46
MT	CARTER	RIDGEWAY 1 S	104.43	45.50	1013	-36	4	34	2	34	-36	-36	-36	40	58	-40	-40	PG	58-40
MT	ROSEBUD	ROCK SPRINGS	106.23	46.82	921	-34	3	34	3	34	-34	-34	-34	38	56	-41	-41	PG	58-46
MT	LEWIS AND CLARK	ROGERS PASS 6 NNE	112.32	47.17	1354	-33	4	32	3	32	-33	-33	-33	38	56	-41	-41	PG	58-46
MT	MUSSELSHELL	ROUNDUP	108.53	46.45	985	-33	5	36	2	36	-33	-33	-33	40	58	-43	-43	PG	64-46
MT	FERGUS	ROY 8 NE	108.83	47.43	1052	-33	4	34	2	34	-33	-33	-33	38	56	-41	-41	PG	58-46
MT	FERGUS	ROY 24 NE (MOBRIDGE)	108.70	47.62	705	-35	7	36	3	36	-35	-35	-35	42	60	-49	-49	PG	64-52
MT	HILL	RUDYARD 30 N	110.58	48.98	909	-34	4	33	2	33	-34	-34	-34	37	54	-42	-42	PG	58-46
MT	GOLDEN VALLEY	RYEGATE 18 NNW	109.38	46.53	1366	-33	4	33	2	33	-33	-33	-33	36	54	-41	-41	PG	58-46
MT	PHILLIPS	SACO 1 NNW	107.35	48.47	662	-38	4	33	2	33	-38	-38	-38	37	55	-46	-46	PG	58-46
MT	LAKE	SAINT IGNATIUS	114.10	47.32	884	-28	6	35	2	35	-28	-28	-28	39	57	-39	-39	PG	58-40
MT	MINERAL	SAINT REGIS R S	115.10	47.30	817	-27	6	35	2	35	-27	-27	-27	39	57	-39	-39	PG	58-40
MT	RICHLAND	SAVAGE	104.35	47.45	607	-36	4	35	2	35	-36	-36	-36	38	55	-41	-41	PG	58-46
MT	DANIELS	SOBBEY	105.42	48.78	750	-35	3	34	2	34	-35	-35	-35	36	54	-46	-46	PG	58-46
MT	MISSOULA	SEELEY LAKE R S	113.52	47.22	1250	-36	5	32	2	32	-36	-36	-36	37	55	-39	-39	PG	58-40
MT	TOOLE	SHELBY AP	111.87	48.55	1046	-33	3	33	2	33	-33	-33	-33	35	53	-42	-42	PG	58-46
MT	CHOUTEAU	SHONKIN 7 S	110.58	47.53	1312	-32	5	31	2	31	-32	-32	-32	37	55	-44	-44	PG	58-46
MT	RICHLAND	SIDNEY	104.15	47.73	586	-36	4	33	2	33	-36	-36	-36	38	55	-45	-45	PG	58-46
MT	HILL	SIMPSON 6 NW	110.32	48.98	836	-37	4	34	2	34	-37	-37	-37	38	57	-41	-41	PG	58-46
MT	POWDER RIVER	SONNETTE 2 NNW	105.85	45.42	1190	-33	4	34	2	34	-33	-33	-33	36	54	-42	-42	PG	58-46
MT	JUDITH BASIN	STANFORD	110.22	47.15	1305	-34	4	32	2	32	-34	-34	-34	35	53	-39	-39	PG	58-40
MT	JUDITH BASIN	STANFORD	110.22	47.15	1482	-31	4	31	2	31	-31	-31	-31	37	55	-40	-40	PG	58-40
MT	RAVALLI	STEVENSVILLE	114.10	46.52	1031	-28	6	33	2	33	-28	-28	-28	36	54	-43	-43	PG	58-46
MT	RAVALLI	SULA 3 ENE	113.95	45.85	1366	-35	4	32	2	32	-35	-35	-35	31	49	-50	-50	PG	52-52
MT	FLATHEAD	SUMMIT	113.35	48.32	1595	-38	6	27	2	27	-38	-38	-38	36	54	-46	-46	PG	58-46
MT	CASCADE	SUN RIVER 4 S	111.73	47.48	1098	-36	5	32	2	32	-36	-36	-36	38	56	-38	-38	PG	58-40
MT	MINERAL	SUPERIOR	114.88	47.20	827	-26	6	34	2	34	-26	-26	-26	35	53	-44	-44	PG	58-46
MT	LAKE	SWAN LAKE	113.83	47.92	973	-28	8	31	2	31	-28	-28	-28	35	53	-44	-44	PG	58-46
MT	TOOLE	SWEETGRASS	111.95	49.00	1058	-34	4	32	2	32	-34	-34	-34	36	54	-42	-42	PG	58-46
MT	PHILLIPS	TELEGRAPH CREEK	105.30	46.80	686	-36	4	36	2	36	-36	-36	-36	40	58	-44	-44	PG	58-46
MT	PRAIRIE	TERRY	105.50	47.07	994	-34	3	33	2	33	-34	-34	-34	37	55	-40	-40	PG	58-40
MT	PRAIRIE	TERRY 21 NNW	115.35	47.60	744	-24	7	35	2	35	-24	-24	-24	39	57	-38	-38	PG	58-40
MT	SANDERS	THOMPSON FALLS R S	115.37	47.60	726	-23	5	36	2	36	-23	-23	-23	40	58	-33	-33	PG	58-34
MT	LIBERTY	THOMPSON FALLS P H	111.08	48.32	869	-34	6	34	2	34	-34	-34	-34	38	56	-46	-46	PG	58-46
MT	BROADWATER	TIBER DAM	111.47	46.17	1199	-32	6	33	2	33	-32	-32	-32	37	55	-44	-44	PG	58-46
MT	BROADWATER	TOSTON 1 W	111.53	46.33	1171	-31	4	33	2	33	-31	-31	-31	37	55	-39	-39	PG	58-40
MT	BROADWATER	TOWNSEND	111.48	45.95	1232	-32	6	34	2	34	-32	-32	-32	38	56	-44	-44	PG	58-46
MT	GALLATIN	TRIDENT	115.63	47.83	760	-28	7	34	2	34	-28	-28	-28	38	56	-42	-42	PG	58-46
MT		TROUT CREEK 2 W																PG	58-46

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

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ST	COUNTY ID	STATION	LONG			LAT			ELEV			AIR TEMP			50% RELIABILITY			BINDER GRADE			98% RELIABILITY			BINDER GRADE					
			LONG	LAT	ELEV	LOW TEMP	HIGH TEMP	AVG	STD	AVG	STD	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT		
MT	SANDERS	TROUT CREEK R S	115.62	47.87	720	-27	6	35	2	-27	6	35	2	35	53	-27	-27	53	-27	53	58	-28	39	57	-39	58	-40	58	-40
MT	LINCOLN	TROY	115.92	48.48	589	-24	5	34	3	-24	5	34	3	34	52	-24	-24	52	-24	52	58	-34	40	57	-34	58	-34	58	-34
MT	LINCOLN	TROY 18 N	115.88	48.73	830	-26	4	33	2	-26	4	33	2	33	51	-26	-26	51	-26	51	58	-28	37	54	-34	58	-34	58	-34
MT	BLAINE	TURNER	108.40	48.85	930	-36	3	33	2	-36	3	33	2	33	51	-36	-36	51	-36	51	58	-40	37	54	-42	58	-40	58	-40
MT	MADISON	TWIN BRIDGES	112.32	45.55	1412	-30	4	32	1	-30	4	32	1	32	51	-30	-30	51	-30	51	58	-46	34	53	-38	58	-46	58	-46
MT	JUDITH BASIN	UTICA 11 WSW	110.30	46.88	1525	-37	3	30	2	-37	3	30	2	30	48	-37	-37	48	-37	48	58	-40	34	52	-43	58	-40	58	-40
MT	PONDERA	VALIER	112.25	48.32	1162	-34	4	32	2	-34	4	32	2	32	50	-34	-34	50	-34	50	58	-46	36	54	-42	58	-46	58	-46
MT	MOON	VIDA 6 NE	105.45	47.87	732	-34	4	34	2	-34	4	34	2	34	52	-34	-34	52	-34	52	58	-46	38	56	-42	58	-46	58	-46
MT	MADISON	VIRGINIA CITY	111.95	45.30	1757	-30	4	31	1	-30	4	31	1	31	50	-30	-30	50	-30	50	58	-40	33	52	-38	58	-40	58	-40
MT	SHERIDAN	WESTBY	104.05	48.87	644	-36	3	34	2	-36	3	34	2	34	52	-36	-36	52	-36	52	58	-46	38	55	-42	58	-46	58	-46
MT	RAVALLI	WESTERN MONTANA BR STN	114.08	46.33	1098	-27	5	33	1	-27	5	33	1	33	51	-27	-27	51	-27	51	58	-52	35	53	-37	58	-52	58	-52
MT	FLATHEAD	WEST GLACIER	113.98	48.50	961	-29	5	31	2	-29	5	31	2	31	49	-29	-29	49	-29	49	58	-46	35	53	-39	58	-46	58	-46
MT	GALLATIN	WEST YELLOWSTONE	111.10	44.65	2031	-41	5	30	2	-41	5	30	2	30	49	-41	-41	49	-41	49	58	-52	34	53	-51	58	-52	58	-52
MT	MEAGER	WHITE SULPHUR SPRINGS	110.92	46.53	1574	-33	4	31	2	-33	4	31	2	31	49	-33	-33	49	-33	49	58	-46	35	53	-41	58	-46	58	-46
MT	WIBAUX	WIBAUX 2 E	104.15	46.98	814	-36	3	34	2	-36	3	34	2	34	52	-36	-36	52	-36	52	58	-46	38	56	-42	58	-46	58	-46
MT	PARK	WILLSALL	110.67	46.00	1540	-32	7	31	3	-32	7	31	3	31	50	-32	-32	50	-32	50	58	-46	37	55	-46	58	-46	58	-46
MT	PARK	WILLSALL 8 ENE	110.50	46.03	1781	-32	4	30	1	-32	4	30	1	30	49	-32	-32	49	-32	49	58	-40	32	51	-40	58	-40	58	-40
MT	FERGUS	WINIFRED	109.38	47.55	988	-34	4	34	2	-34	4	34	2	34	52	-34	-34	52	-34	52	58	-46	38	56	-42	58	-46	58	-46
MT	BEAVERHEAD	WISDOM	113.45	45.62	1848	-39	6	29	1	-39	6	29	1	29	48	-39	-39	48	-39	48	58	-46	40	58	-46	58	-46	58	-46
MT	ROOSEVELT	WOLF POINT 5 ESE	105.53	48.08	607	-38	4	36	2	-38	4	36	2	36	54	-38	-38	54	-38	54	58	-46	40	58	-46	58	-46	58	-46
MT	BIGHORN	WYOLA	107.43	45.10	1150	-33	4	34	2	-33	4	34	2	34	53	-33	-33	53	-33	53	58	-40	38	57	-41	58	-40	58	-40
MT	BIGHORN	YELLOWSTONE PK NE ENT	110.00	45.00	2242	-38	4	27	2	-38	4	27	2	27	46	-38	-38	46	-38	46	58	-46	31	50	-46	58	-46	58	-46
MT	PHILLIPS	YELLOWTAIL DAM	107.93	45.32	1010	-27	4	36	2	-27	4	36	2	36	55	-27	-27	55	-27	55	58	-40	40	58	-35	58	-40	58	-40
MT	PHILLIPS	ZORTMAN	108.53	47.92	1180	-32	4	29	3	-32	4	29	3	29	47	-32	-32	47	-32	47	58	-46	35	53	-40	58	-46	58	-46
ND	CASS	AMENIA	97.22	47.00	293	-34	2	33	2	-34	2	33	2	33	51	-34	-34	51	-34	51	58	-40	37	55	-38	58	-40	58	-40
ND	SLOPE	AMIDON	103.32	46.48	888	-32	3	34	2	-32	3	34	2	34	52	-32	-32	52	-32	52	58	-40	38	56	-38	58	-40	58	-40
ND	MONTOSH	ASHLEY	99.37	46.03	610	-34	3	33	2	-34	3	33	2	33	51	-34	-34	51	-34	51	58	-40	39	57	-39	58	-40	58	-40
ND	GOLDEN VALLEY	BEACH	104.00	46.92	851	-33	3	33	3	-33	3	33	3	33	51	-33	-33	51	-33	51	58	-40	39	57	-39	58	-40	58	-40
ND	ROLETTE	BELCOURT KEVA	99.75	48.83	601	-38	3	31	2	-38	3	31	2	31	49	-38	-38	49	-38	49	58	-46	35	52	-44	58	-46	58	-46
ND	STARK	BELFIELD 1 SW	103.18	46.88	793	-34	3	33	1	-34	3	33	1	33	51	-34	-34	51	-34	51	58	-46	35	53	-40	58	-46	58	-46
ND	MERCER	BEULAH 1 W	101.78	47.27	537	-36	4	34	2	-36	4	34	2	34	52	-36	-36	52	-36	52	58	-40	38	56	-44	58	-40	58	-40
ND	TOWNER	BISBEE 6 NE	99.37	48.62	485	-37	3	31	2	-37	3	31	2	31	49	-37	-37	49	-37	49	58	-46	35	53	-43	58	-46	58	-46
ND	BURLEIGH	BISMARCK WFO AP	100.77	46.77	503	-36	4	34	2	-36	4	34	2	34	52	-36	-36	52	-36	52	58	-40	38	56	-44	58	-40	58	-40
ND	BOTTINEAU	BOTTINEAU	100.45	48.83	500	-38	3	32	2	-38	3	32	2	32	50	-38	-38	50	-38	50	58	-46	36	53	-44	58	-46	58	-46
ND	BOWMAN	BOWMAN COURT HOUSE	103.38	46.18	909	-33	4	34	2	-33	4	34	2	34	52	-33	-33	52	-33	52	58	-40	38	56	-44	58	-40	58	-40
ND	MCLEAN	BUTTE	100.67	47.83	531	-32	7	33	3	-32	7	33	3	33	51	-32	-32	51	-32	51	58	-46	39	57	-46	58	-46	58	-46
ND	FOSTER	CARRINGTON	99.13	47.45	485	-33	3	32	2	-33	3	32	2	32	50	-33	-33	50	-33	50	58	-40	36	54	-39	58	-40	58	-40
ND	FOSTER	CARRINGTON 4 N	99.12	47.52	476	-34	3	33	2	-34	3	33	2	33	51	-34	-34	51	-34	51	58	-40	37	55	-40	58	-40	58	-40
ND	GRANT	CARSON	101.57	46.42	705	-34	3	33	2	-34	3	33	2	33	51	-34	-34	51	-34	51	58	-40	37	55	-40	58	-40	58	-40
ND	PEMBINA	CAVALIER 7 NW	97.70	48.87	272	-34	3	32	2	-34	3	32	2	32	50	-34	-34	50	-34	50	58	-40	36	53	-40	58	-40	58	-40
ND	OLIVER	CENTER 4 SE	101.20	47.07	607	-35	4	33	2	-35	4	33	2	33	51	-35	-35	51	-35	51	58	-46	37	55	-43	58	-46	58	-46
ND	STEELE	COLGATE	97.65	47.23	360	-35	2	33	2	-35	2	33	2	33	51	-35	-35	51	-35	51	58	-46	37	55	-39	58	-46	58	-46
ND	DIVIDE	CROSBY	103.30	48.90	595	-36	3	33	2	-36	3	33	2	33	51	-36	-36	51	-36	51	58	-46	37	55	-43	58	-46	58	-46
ND	RAMSEY	DEVILS LAKE KOLR	98.87	48.12	445	-34	3	32	2	-34	3	32	2	32	50	-34	-34	50	-34	50	58	-40	36	54	-40	58	-40	58	-40
ND	STARK	DICKINSON FAA AP	102.80	46.78	787	-32	4	33	2	-32	4	33	2	33	51	-32	-32	51	-32	51	58	-40	37	54	-42	58	-40	58	-40
ND	MOHENRY	DRAKE	100.37	47.92	500	-35	3	32	2	-35	3	32	2	32	50	-35	-35	50	-35	50	58	-46	37	55	-40	58	-46	58	-46
ND	MOHENRY	DRAKE 8 NE	102.65	47.35	680	-35	4	33	2																				

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
						LOW	HIGH	TEMP	TEMPERATURES				TEMPERATURES				BINDER	HT		
									AVG	STD	AVG	STD	MAX AIR	MIN PVT	MIN AIR	MIN PVT			MAX AIR	MIN PVT
ND	CASS	FARGO WSO AP	96.80	46.90	274	-33	2	32	2	32	50	-33	-33	32	33	36	54	-37	RG	58 -40
ND	WELLS	FESSENDEN	99.62	47.65	494	-35	3	33	2	33	51	-35	-35	32	33	37	55	-41	RG	58 -46
ND	SARGENT	FORMAN 5 SSE	97.60	46.03	381	-34	3	34	2	34	52	-34	-34	34	34	38	56	-40	RG	58 -40
ND	DIVIDE	FORTUNA 1 W	103.82	48.92	717	-36	4	32	3	32	50	-36	-36	32	32	38	55	-44	RG	58 -46
ND	SIOUX	FORT YATES	100.63	46.10	500	-32	4	34	2	34	52	-32	-32	34	34	38	56	-40	RG	58 -40
ND	WARD	FOX-HOLM 7 N	101.55	48.43	512	-35	4	33	2	33	51	-35	-35	33	33	37	55	-43	RG	58 -46
ND	DICKEY	FULLERTON 1 ESE	98.40	46.15	439	-34	3	34	2	34	52	-34	-34	34	34	38	56	-40	RG	58 -40
ND	LOGAN	GACKLE	99.13	46.63	595	-34	3	33	2	33	51	-34	-34	33	33	37	55	-40	RG	58 -40
ND	MCLEAN	GARRISON 1 NNW	101.42	47.65	592	-34	3	33	2	33	51	-34	-34	33	33	37	55	-42	RG	58 -46
ND	WALSH	GRAFTON	97.42	48.42	253	-36	3	33	2	33	51	-36	-36	33	33	37	55	-42	RG	58 -46
ND	GRAND FORKS	GRAND FORKS FAA AP	97.17	47.95	259	-34	2	32	2	32	50	-34	-34	32	32	36	54	-38	RG	58 -40
ND	MCHEERY	GRANVILLE	100.85	48.27	461	-35	4	33	2	33	51	-35	-35	33	33	37	55	-43	RG	58 -46
ND	WILLIAMS	GRENORA	103.93	48.62	650	-36	3	33	2	33	52	-36	-36	33	33	37	55	-36	RG	58 -46
ND	RICHLAND	HANKINSON	96.90	46.07	326	-32	2	33	2	33	52	-32	-32	33	33	37	55	-36	RG	58 -40
ND	CAVALIER	HANNAH 2 N	98.68	49.00	482	-37	2	31	2	31	49	-37	-37	31	31	35	52	-41	RG	58 -46
ND	TOWNER	HANSBORO 4 NNE	99.35	48.00	470	-36	2	32	2	32	50	-36	-36	32	32	36	53	-40	RG	58 -40
ND	MORTON	HEBRON	102.05	46.90	659	-35	4	34	2	34	52	-35	-35	34	34	38	56	-43	RG	58 -46
ND	ADAMS	HETTINGER	102.65	45.98	817	-33	4	34	2	34	53	-33	-33	34	34	38	56	-41	RG	58 -46
ND	TRAIL	HILLSBORO 3 N	97.07	47.45	278	-33	2	33	1	33	51	-33	-33	33	33	35	53	-37	RG	58 -40
ND	WELLS	HURDSFIELD 8 SW	100.02	47.35	592	-35	3	32	2	32	50	-35	-35	32	32	36	54	-41	RG	58 -46
ND	STUTSMAN	JAMESTOWN FAA AP	98.68	46.92	454	-33	3	33	2	33	51	-33	-33	33	33	37	55	-39	RG	58 -40
ND	STUTSMAN	JAMESTOWN STATE HOSP	98.68	46.88	448	-34	6	33	2	33	51	-34	-34	33	33	37	55	-46	RG	58 -46
ND	MCKENZIE	KEENE 3 S	102.92	47.83	753	-35	4	33	3	33	51	-35	-35	33	33	39	57	-43	RG	58 -46
ND	WARD	KENMARE 1 WSW	102.10	48.67	552	-34	5	33	2	33	51	-34	-34	33	33	37	55	-44	RG	58 -46
ND	STUTSMAN	KENSAL WILDLIFE REFUGE	98.87	47.27	442	-35	2	33	2	33	51	-35	-35	33	33	37	55	-39	RG	58 -40
ND	LAMOURE	LA MOURE 2 W	98.28	46.37	415	-34	3	33	2	33	51	-34	-34	33	33	37	55	-40	RG	58 -40
ND	CAVALIER	LANGDON EXP FARM	98.33	48.75	494	-36	8	31	2	31	49	-36	-36	31	31	35	53	-52	RG	58 -52
ND	BENSON	LEEDS	99.43	48.28	467	-36	3	32	2	32	50	-36	-36	32	32	36	54	-42	RG	58 -46
ND	EMMONS	LINTON	100.23	46.25	516	-36	5	35	2	35	53	-36	-36	32	32	39	57	-46	RG	58 -46
ND	BURKE	LOSTWOOD 12 N	102.40	48.55	686	-35	4	31	3	31	49	-35	-35	31	31	37	55	-43	RG	58 -46
ND	BENSON	MADDOCK	99.05	47.97	491	-36	3	33	2	33	51	-36	-36	33	33	37	55	-42	RG	58 -46
ND	BENSON	MANDAN EXP STATION	100.90	46.80	534	-34	4	33	2	33	51	-34	-34	33	33	37	55	-42	RG	58 -46
ND	MORTON	MANDAN FT LINCOLN PARK	100.87	46.75	509	-35	3	34	2	34	52	-35	-35	34	34	38	56	-41	RG	58 -46
ND	SLOPE	MARMARTH	103.93	46.30	827	-33	8	34	2	34	52	-33	-33	34	34	38	56	-49	RG	58 -52
ND	MCLEAN	MAX	101.30	47.82	640	-34	3	33	2	33	51	-34	-34	33	33	37	55	-40	RG	58 -40
ND	TRAIL	MAYVILLE	97.32	47.50	287	-35	3	33	2	33	51	-35	-35	33	33	37	55	-41	RG	58 -46
ND	SHERIDAN	MCCLUSKY	100.47	47.48	592	-33	3	34	2	34	52	-33	-33	34	34	38	56	-39	RG	58 -40
ND	EDDY	MCHEERY 5 NNW	98.62	47.63	473	-35	3	32	2	32	50	-35	-35	32	32	36	54	-41	RG	58 -46
ND	RICHLAND	MCLEOD 3 E	97.23	46.40	329	-34	3	33	2	33	51	-34	-34	33	33	37	55	-40	RG	58 -40
ND	NELSON	MC VILLE	98.17	47.77	448	-36	2	33	2	33	51	-36	-36	33	33	37	55	-40	RG	58 -40
ND	BILLINGS	MEDORA	103.52	46.92	698	-37	4	36	2	36	54	-37	-37	36	36	40	58	-45	RG	58 -46
ND	WARD	MINOT FAA AIRPORT	101.28	48.27	525	-32	3	32	2	32	50	-32	-32	32	32	36	54	-38	RG	58 -40
ND	WARD	MINOT EXP STATION	101.30	48.18	540	-35	4	33	2	33	51	-35	-35	33	33	37	55	-43	RG	58 -46
ND	BURLEIGH	MOFFITT 3 SE	100.25	46.67	549	-36	4	34	2	34	52	-36	-36	34	34	38	56	-44	RG	58 -46
ND	RENVILLE	MOHALL	101.52	48.80	500	-34	6	32	2	32	50	-34	-34	32	32	36	53	-46	RG	58 -46
ND	HETTINGER	MOTT	102.30	46.37	772	-34	4	33	2	33	51	-34	-34	33	33	37	55	-42	RG	58 -46
ND	RAMSEY	MUNICH 11 SSW	98.92	48.52	467	-37	2	31	2	31	49	-37	-37	31	31	35	53	-41	RG	58 -46
ND	LOGAN	NAPOLEON	99.77	46.50	604	-36	3	34	2	34	52	-36	-36	34	34	38	56	-42	RG	58 -46
ND	HETTINGER	NEW ENGLAND	102.87	46.55	805	-33	4	34	2	34	52	-33	-33	34	34	38	56	-41	RG	58 -46
ND	MORTON	NEW SALEM	101.47	46.85	650	-33	3	34	2	34	52	-33	-33	34	34	38	56	-39	RG	58 -40
ND	MCKENZIE	NEW TOWN 4 W	102.58	47.98	573	-34	4	32	2	32	50	-34	-34	32	32	36	54	-42	RG	58 -46
ND	DICKEY	OAKES 2 S	98.08	46.13	400	-34	7	33	2	33	52	-34	-34	33	33	37	55	-48	RG	58 -52
ND	WALSH	PARK RIVER	97.75	48.38	296	-33	2	33	2	33	51	-33	-33	33	33	37	55	-37	RG	58 -40

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
			LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		BINDER GRADE	
			AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT
ND	PEMBINA	PEMBINA	97.23	48.97	24.1	-37	3	31	2	31	49	-37	-37	37	PG	58 -46
ND	NELSON	PETERSBURG 2 N	98.00	48.03	46.7	-35	3	31	2	31	49	-35	-35	35	PG	58 -46
ND	KIDDER	PETTIBONE	99.53	47.12	56.4	-36	3	33	2	33	51	-36	-36	37	PG	58 -46
ND	BURKE	PORTAL	102.55	49.00	59.5	-37	3	32	2	32	50	-37	-37	36	PG	58 -46
ND	BURKE	POWERS LAKE 1 N	102.63	48.57	67.4	-37	3	32	2	32	50	-37	-37	36	PG	58 -46
ND	GRANT	PRETTY ROCK	101.85	46.17	75.6	-33	4	34	2	34	52	-33	-33	38	PG	58 -46
ND	MCLEAN	RAUB 12 SSW	102.10	47.60	59.8	-32	4	32	2	32	50	-32	-32	36	PG	58 -40
ND	STARK	RICHARDTON ABBEY	102.32	46.88	75.3	-32	3	33	2	33	51	-32	-32	37	PG	58 -40
ND	MCLEAN	RIVERDALE	101.35	47.50	59.8	-34	3	32	2	32	50	-34	-34	36	PG	58 -40
ND	ROLETTE	ROLLA 3 NW	99.67	48.90	59.5	-35	3	30	2	30	48	-35	-35	34	PG	58 -40
ND	PIERCE	RUGBY	100.00	48.35	47.3	-35	3	33	2	33	51	-35	-35	37	PG	58 -46
ND	ROLETTE	SAN HAVEN	100.03	48.83	58.6	-36	3	31	2	31	49	-36	-36	35	PG	58 -40
ND	STEELE	SHARON	97.90	47.60	46.4	-34	2	31	2	31	49	-34	-34	35	PG	58 -46
ND	EDDY	SIEYENNE	99.12	47.83	45.1	-34	5	33	2	33	51	-34	-34	37	PG	58 -46
ND	MOUNTAIN	STANLEY 3 NNW	102.42	48.35	69.5	-34	6	32	2	32	50	-34	-34	36	PG	58 -46
ND	KIDDER	STEEL	99.90	46.87	57.0	-34	3	33	3	33	51	-34	-34	39	PG	58 -40
ND	MCHEERY	TOWNER 2 NE	100.40	48.35	45.1	-37	3	33	2	33	51	-37	-37	37	PG	58 -46
ND	GOLDEN VALLEY	TROTTERS 3 SSE	103.90	47.28	73.8	-34	3	34	2	34	52	-34	-34	38	PG	58 -40
ND	MCLEAN	TURTLE LAKE	100.88	47.52	57.6	-34	3	33	2	33	51	-34	-34	37	PG	58 -40
ND	KIDDER	TUTTLE	100.00	47.13	57.3	-33	8	33	2	33	51	-33	-33	37	PG	58 -52
ND	MCLEAN	UNDERWOOD	101.13	47.45	61.6	-33	4	33	2	33	51	-33	-33	37	PG	58 -46
ND	MCHEERY	UPHAM 3 N	100.73	48.62	43.6	-38	3	33	2	33	51	-38	-38	37	PG	58 -46
ND	BARNES	VALLEY CITY 3 NNW	98.03	46.97	36.9	-34	3	32	2	32	50	-34	-34	36	PG	58 -40
ND	MCHEERY	VELVA	100.92	48.05	46.1	-36	3	33	2	33	51	-36	-36	37	PG	58 -46
ND	RICHLAND	WAHPETON 3 N	96.60	46.32	29.3	-34	3	34	2	34	52	-34	-34	38	PG	58 -40
ND	MCLEAN	WASHBURN	101.03	47.28	54.6	-33	3	34	2	34	52	-33	-33	38	PG	58 -40
ND	MCLEAN	WATFORD CITY	103.28	47.80	64.4	-34	3	34	2	34	52	-34	-34	38	PG	58 -40
ND	MCLEAN	WATFORD CITY 14 S	103.28	47.60	60.1	-36	4	36	2	36	54	-36	-36	40	PG	58 -46
ND	BOTTINEAU	WESTHOPE	101.03	48.92	45.8	-37	3	32	2	32	50	-37	-37	36	PG	58 -46
ND	WILLIAMS	WILDDROSE	103.17	48.63	69.2	-36	3	32	2	32	50	-36	-36	38	PG	58 -46
ND	WILLIAMS	WILLISTON WSO AP	103.63	48.18	58.0	-36	4	34	2	34	52	-36	-36	38	PG	58 -46
ND	WILLIAMS	WILLISTON EXP FARM	103.75	48.13	64.4	-35	3	34	2	34	52	-35	-35	38	PG	58 -46
ND	BOTTINEAU	WILLOW CITY	100.30	48.65	44.5	-38	3	32	2	32	50	-38	-38	36	PG	58 -40
ND	BURLEIGH	WILTON	100.78	47.15	66.2	-33	4	32	3	32	50	-33	-33	38	PG	58 -46
ND	MCINTOSH	WISHEK	99.55	46.25	68.0	-36	3	32	3	32	50	-36	-36	38	PG	58 -46
NE	SIOUX	AGATE 3 E	103.83	42.45	142.4	-33	6	34	2	34	54	-33	-33	38	PG	58 -46
NE	BROWN	ANSWORTH	99.87	42.55	76.6	-28	3	36	2	36	55	-28	-28	40	PG	64 -34
NE	BOONE	ALBION 1 S	97.98	41.67	53.4	-29	3	36	3	36	56	-29	-29	42	PG	64 -40
NE	BOX BUTTE	ALLIANCE 1 WNW	102.90	42.10	121.7	-28	6	34	2	34	54	-28	-28	38	PG	58 -40
NE	CLUSTER	ALMA	99.37	40.10	61.0	-25	3	37	2	37	57	-25	-25	41	PG	64 -34
NE	ARTHUR	ANSELMO 2 SE	99.83	41.60	79.0	-31	4	35	2	35	55	-31	-31	39	PG	58 -40
NE	SAUNDERS	ARTHUR	101.68	41.57	106.8	-29	3	34	2	34	54	-29	-29	38	PG	58 -40
NE	HOLT	ASHLAND 3 NE	96.33	41.07	32.6	-27	3	36	2	36	56	-27	-27	40	PG	64 -34
NE	HAMILTON	ATKINSON	98.97	42.55	65.0	-28	4	35	2	35	55	-28	-28	39	PG	64 -40
NE	GAGE	AURORA	98.00	40.87	54.6	-26	3	36	2	36	56	-26	-26	40	PG	64 -34
NE	FURNAS	BEATRICE	96.75	40.27	39.6	-24	2	36	2	36	56	-24	-24	40	PG	64 -40
NE	DUNDY	BEAVER CITY	99.83	40.13	65.9	-27	4	38	2	38	58	-27	-27	42	PG	64 -40
NE	DEUEL	BENKELMAN	101.55	40.05	91.2	-26	4	37	2	37	57	-26	-26	41	PG	64 -40
NE	WASHINGTON	BIG SPRINGS	102.08	41.07	102.8	-27	4	36	2	36	56	-27	-27	40	PG	64 -40
NE	BOX BUTTE	BLAIR	96.13	41.55	34.2	-27	2	34	2	34	54	-27	-27	38	PG	58 -34
NE	BLAINE	BOX BUTTE EXP STATION	102.95	42.13	122.6	-29	3	34	1	34	54	-29	-29	36	PG	58 -40
NE	CLUSTER	BREWSTER	99.87	41.95	76.2	-30	3	35	2	35	55	-30	-30	39	PG	64 -40
NE	CLUSTER	BROKEN BOW 2 W	99.68	41.42	76.2	-29	4	35	2	35	55	-29	-29	39	PG	64 -40

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN PVT	MAX AIR	MIN PVT	MAX AIR	MIN PVT	MAX AIR	MIN PVT		
NE CHERRY		BROWNLEE	100.62	42.28	860	-29	5	33	3	33	-29	53	-29	39	58	39	-39	PG	64 -40
NE GARFIELD		BURWELL	99.13	41.78	665	-29	4	36	2	36	-29	56	-29	40	59	40	-37	PG	64 -40
NE BOYD		BUTTE	98.85	42.92	552	-29	3	36	2	36	-29	55	-29	40	59	40	-35	PG	64 -40
NE FURNAS		CAMBRIDGE	100.17	40.27	689	-26	4	37	2	37	-26	57	-26	41	61	41	-34	PG	64 -34
NE GOSPER		CANADAY STEAM PLANT	99.70	40.68	720	-26	3	35	2	35	-26	55	-26	39	59	39	-32	PG	64 -34
NE MERRICK		CENTRAL CITY	98.00	41.12	518	-26	6	36	2	36	-26	56	-26	40	60	40	-38	PG	64 -40
NE DAWES		CHADRON FAA AP	103.08	42.83	1010	-30	4	36	2	36	-30	55	-30	40	59	40	-38	PG	64 -40
NE HOLT		CHAMBERS	98.75	42.20	650	-28	7	34	2	34	-28	54	-28	38	57	38	-42	PG	58 -46
NE COLFAX		CLARKSON	97.12	41.72	467	-28	3	35	2	35	-28	55	-28	39	59	39	-34	PG	64 -34
NE CLAY		CLAY CENTER 6 ESE	97.93	40.50	531	-25	2	36	2	36	-25	56	-25	40	60	40	-29	PG	64 -34
NE PLATTE		COLUMBUS 3 NE	97.33	41.47	442	-26	3	36	2	36	-26	56	-26	40	60	40	-32	PG	64 -34
NE KNOX		CREIGHTON	97.90	42.45	497	-30	3	36	2	36	-30	55	-30	40	60	40	-36	PG	64 -40
NE SALINE		CRETE	96.95	40.62	439	-26	3	36	2	36	-26	56	-26	40	60	40	-32	PG	64 -34
NE HITCHCOCK		CULBERTSON	100.83	40.22	786	-27	5	37	2	37	-27	57	-27	41	61	41	-37	PG	64 -40
NE FRONTIER		CURTIS 3 NNE	100.50	40.67	830	-27	7	37	2	37	-27	57	-27	41	61	41	-41	PG	64 -46
NE CHEYENNE		DALTON	102.97	41.42	1302	-28	3	35	1	35	-28	55	-28	37	57	37	-34	PG	58 -34
NE BUTLER		DAVID CITY	97.13	41.25	494	-27	3	35	2	35	-27	55	-27	39	59	39	-33	PG	64 -34
NE BROWN		ELLSMEERE 9 ENE	100.02	42.17	808	-31	3	36	1	36	-31	56	-31	41	61	41	-37	PG	58 -40
NE CHASE		ENDERS LAKE	101.52	40.42	939	-27	4	37	2	37	-27	57	-27	41	61	41	-35	PG	64 -40
NE HOLT		EWING	98.35	42.25	564	-31	3	35	2	35	-31	55	-31	39	58	39	-37	PG	64 -40
NE FILLMORE		FAIRMONT	97.58	40.63	500	-26	3	36	2	36	-26	56	-26	40	60	40	-32	PG	64 -34
NE DAWES		FORT ROBINSON	103.47	42.67	1159	-28	6	35	2	35	-28	54	-28	39	58	39	-40	PG	64 -40
NE DODGE		FREMONT	96.48	41.43	360	-26	3	36	2	36	-26	56	-26	40	60	40	-32	PG	64 -34
NE CEDAR		GAVINS POINT DAM	97.48	42.85	384	-28	3	35	2	35	-28	54	-28	39	58	39	-34	PG	64 -34
NE FILLMORE		GENEVA	97.60	40.53	497	-25	3	36	2	36	-25	56	-25	40	60	40	-31	PG	64 -34
NE NANCE		GENOA 2 W	97.77	41.45	485	-28	3	36	2	36	-28	56	-28	40	60	40	-34	PG	64 -34
NE DAWSON		GORDON 3 W	102.25	42.80	1110	-31	6	35	2	35	-31	54	-31	39	58	39	-43	PG	64 -46
NE HALL		GOTHENBURG	100.17	40.93	790	-27	4	36	2	36	-27	56	-27	40	60	40	-35	PG	64 -40
NE GREELEY		GRAND ISLAND WSO AP	98.32	40.97	561	-26	3	37	2	37	-26	57	-26	41	61	41	-32	PG	64 -34
NE THOMAS		HALSEY 2 W	98.53	41.55	616	-28	4	36	2	36	-28	56	-28	40	60	40	-36	PG	64 -40
NE HARLAN		HARRISBURG 10 NW	100.32	41.90	827	-29	4	36	2	36	-29	56	-29	40	59	40	-37	PG	64 -40
NE BANNER		HARRISON	99.20	40.08	610	-26	4	36	2	36	-26	56	-26	40	60	40	-34	PG	64 -40
NE SOUX		HASTINGS	103.88	41.65	1360	-32	4	34	2	34	-32	54	-32	38	58	38	-40	PG	58 -40
NE ADAMS		HAYES CENTER	103.88	42.68	1479	-29	4	34	2	34	-29	54	-29	38	57	38	-37	PG	58 -40
NE HAYES		HAY SPRINGS	98.35	40.58	589	-24	3	36	2	36	-24	56	-24	40	60	40	-30	PG	64 -34
NE SHERIDAN		HAY SPRINGS	101.02	40.52	930	-24	3	36	2	36	-24	56	-24	40	60	40	-30	PG	64 -34
NE SHERIDAN		HAY SPRINGS 12 S	102.68	42.68	1177	-29	3	35	2	35	-29	54	-29	39	58	39	-35	PG	64 -40
NE THAYER		HEBRON	102.70	42.50	1162	-32	3	34	2	34	-32	54	-32	38	57	38	-38	PG	58 -40
NE BOX BUTTE		HEMINGFORD	97.58	40.17	451	-24	3	37	2	37	-24	57	-24	41	61	41	-30	PG	64 -34
NE LINCOLN		HERSHEY 5 SSE	103.08	42.35	1302	-28	3	34	2	34	-28	54	-28	38	57	38	-34	PG	58 -34
NE PHELPS		HOLDREGE	100.97	41.10	900	-27	4	35	2	35	-27	55	-27	39	59	39	-35	PG	64 -40
NE GRANT		HYANNIS	99.37	40.43	708	-27	4	36	2	36	-27	56	-27	40	60	40	-32	PG	64 -34
NE CHASE		IMPERIAL	101.77	42.00	1135	-27	4	34	2	34	-27	54	-27	38	58	38	-35	PG	58 -40
NE BUFFALO		IMPERIAL FAA AP	101.63	40.52	1000	-26	4	36	2	36	-26	56	-26	40	60	40	-34	PG	64 -34
NE KIMBALL		KEARNEY	101.62	40.52	997	-26	3	37	2	37	-26	57	-26	41	61	41	-32	PG	64 -34
NE KEITH		KIMBALL	99.10	40.70	662	-26	3	36	2	36	-26	56	-26	40	60	40	-32	PG	64 -34
NE DAWSON		KINGSLEY DAM	103.67	41.23	1437	-27	6	34	2	34	-27	54	-27	38	58	38	-39	PG	58 -40
NE LANCASTER		LEXINGTON 7 ESE	101.65	41.22	1010	-25	3	36	1	36	-25	56	-25	38	58	38	-31	PG	58 -34
NE LANCASTER		LINCOLN AGRONOMY FARM	99.62	40.75	714	-27	3	36	2	36	-27	56	-27	40	60	40	-33	PG	64 -34
NE LANCASTER		LINCOLN WSO AP	96.62	40.85	366	-25	3	37	3	37	-25	57	-25	43	63	43	-31	PG	64 -34
NE LANCASTER		LINCOLN UNIV OF NEB	96.75	40.85	363	-27	4	36	2	36	-27	56	-27	40	60	40	-35	PG	64 -40
NE SHERMAN		LOUP CITY 1 N	96.70	40.82	351	-24	3	36	2	36	-24	56	-24	40	60	40	-30	PG	64 -34
			98.97	41.28	647	-27	3	36	2	36	-27	56	-27	40	60	40	-33	PG	64 -34

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY				98% RELIABILITY				BINDER GRADE		
						LOW	STD	HIGH	TEMP	MAX AIR	TEMP	MIN PVT	MAX AIR	TEMP	MIN PVT	MAX AIR	HT	LT	BINDER GRADE
						AVG	STD	AVG	STD	MAX AIR	TEMP	MIN PVT	MAX AIR	TEMP	MIN PVT	MAX AIR	HT	LT	BINDER GRADE
NE MADISON		MADISON	97.45	41.83	482	-29	3	35	2	35	55	-29	39	59	-35	39	58	-34	PG 64 -40
NE PERKINS		MADRID	101.55	40.85	976	-27	4	37	2	37	57	-27	41	61	-35	41	58	-28	PG 64 -40
NE RED WILLOW		MC COOK	100.58	40.22	787	-24	4	37	2	37	57	-24	41	61	-32	41	58	-28	PG 64 -34
NE SAUNDERS		MEAD AGRONOMY LAB	96.42	41.17	360	-29	4	36	2	36	56	-29	40	60	-37	40	58	-34	PG 64 -40
NE FRONTIER		MEDICINE CREEK DAM	100.22	40.38	729	-27	4	36	2	36	56	-27	40	60	-35	40	58	-34	PG 64 -40
NE CHERRY		MERRIMAN	101.68	42.92	991	-29	3	36	2	36	55	-29	40	59	-35	40	58	-34	PG 64 -40
NE KEARNEY		MINDEN	98.95	40.50	662	-26	3	36	2	36	56	-26	40	60	-32	40	58	-34	PG 64 -34
NE SCOTTS BLUFF		MITCHELL 5 E	103.68	41.95	1244	-29	4	34	2	34	54	-29	38	58	-37	38	58	-34	PG 58 -40
NE HOOKER		MULLEN	101.05	42.05	991	-28	4	35	2	35	55	-28	39	59	-36	39	58	-34	PG 64 -40
NE CHERRY		MULLEN 21 NW	101.33	42.27	1052	-28	7	35	2	35	55	-28	39	58	-42	39	58	-28	PG 64 -46
NE OTOE		NEBRASKA CITY	95.87	40.68	317	-26	3	35	2	35	55	-26	39	59	-32	39	58	-34	PG 64 -34
NE CHERRY		NENZEL 20 S	101.17	42.65	939	-31	4	35	2	35	54	-31	39	58	-39	39	58	-34	PG 64 -40
NE ROCK		NEWPORT	99.33	42.60	680	-28	4	36	2	36	55	-28	40	60	-36	40	58	-34	PG 64 -40
NE KNOX		NIORARA	98.03	42.75	403	-29	3	36	2	36	55	-29	40	59	-35	40	58	-34	PG 64 -40
NE MADISON		NORFOLK WSO AP	97.43	41.98	473	-28	3	35	2	35	55	-28	39	58	-34	39	58	-34	PG 64 -34
NE DIXON		NE NEBR EXP STN	96.95	42.38	445	-30	3	34	2	34	54	-30	38	57	-36	38	57	-34	PG 58 -40
NE VALLEY		NORTH LOUP	98.77	41.50	598	-28	3	34	2	34	54	-28	38	58	-34	38	58	-34	PG 58 -34
NE LINCOLN		NORTH PLATTE WSO AP	100.68	41.13	848	-27	4	35	2	35	55	-27	39	59	-35	39	58	-28	PG 64 -40
NE LINCOLN		NORTH PLATTE EXP FARM	100.75	41.07	924	-25	7	35	2	35	55	-25	39	58	-39	39	58	-28	PG 64 -40
NE ANTELOPE		OKDALE	97.95	42.07	525	-29	3	35	2	35	55	-29	39	58	-35	39	58	-34	PG 64 -40
NE CUSTER		OCONTO	99.67	41.13	787	-27	4	35	2	35	55	-27	39	59	-35	39	58	-28	PG 64 -40
NE KEITH		OGALLALA	101.72	41.13	985	-27	4	36	2	36	56	-27	40	60	-35	40	58	-28	PG 64 -40
NE DOUGLAS		OMAHA (EPPLEY FIELD)	95.90	41.30	299	-26	2	35	2	35	55	-26	39	59	-30	39	58	-28	PG 64 -34
NE DOUGLAS		OMAHA (NORTH) WSO	96.02	41.37	400	-26	3	34	2	34	54	-26	38	58	-32	38	58	-28	PG 58 -34
NE HOLT		O NEILL	98.65	42.47	607	-29	3	35	2	35	55	-29	39	58	-35	39	58	-34	PG 64 -40
NE POLK		OSCEOLA	97.55	41.18	506	-27	3	36	2	36	56	-27	40	60	-33	40	58	-28	PG 64 -34
NE PIERCE		OSMOND	97.60	42.35	503	-30	3	35	2	35	55	-30	39	58	-36	39	58	-34	PG 64 -40
NE PAWNEE		PAWNEE CITY	96.15	40.10	363	-25	4	37	2	37	57	-25	41	61	-33	41	58	-28	PG 64 -34
NE BLAINE		PURDUM	100.25	42.07	820	-29	3	35	2	35	55	-29	39	58	-35	39	58	-34	PG 64 -40
NE BUFFALO		RAVENNA	98.92	41.03	619	-28	3	36	2	36	56	-28	40	60	-34	40	58	-28	PG 64 -34
NE WEBSTER		RED CLOUD	98.52	40.10	525	-26	4	37	2	37	57	-26	41	61	-34	41	58	-28	PG 64 -34
NE RED WILLOW		RED WILLOW DAM	100.65	40.35	781	-27	3	36	2	36	56	-27	40	60	-33	40	58	-28	PG 64 -34
NE ROCK		ROSE 7 MNW	99.67	42.17	766	-27	9	35	2	35	55	-27	39	58	-45	39	58	-28	PG 64 -46
NE WEBSTER		ROSEMONT 2 S	98.37	40.27	610	-24	3	35	2	35	55	-24	39	59	-30	39	58	-28	PG 64 -40
NE HOWARD		SAINT PAUL	98.45	41.20	549	-27	4	34	2	34	54	-27	38	58	-35	38	58	-28	PG 58 -40
NE SEWARD		SEWARD	97.08	40.90	451	-26	3	36	2	36	56	-26	40	60	-32	40	58	-28	PG 64 -34
NE CHEYENNE		SIDNEY 6 NNW	103.00	41.23	1318	-27	4	35	2	35	55	-27	39	58	-35	39	58	-28	PG 64 -40
NE CHEYENNE		SIDNEY 3 S	102.98	41.10	1315	-27	3	34	1	34	54	-27	36	56	-33	36	56	-28	PG 58 -34
NE KEA PAHA		SPRINGVIEW	99.75	42.82	747	-28	3	36	2	36	55	-28	40	59	-34	40	58	-28	PG 64 -40
NE STANTON		STANTON	97.23	41.95	454	-29	3	35	2	35	55	-29	39	58	-35	39	58	-28	PG 64 -40
NE LOGAN		STAPLETON 5 SSE	100.47	41.42	921	-28	3	36	2	36	56	-28	40	60	-34	40	58	-28	PG 64 -34
NE NICKOLLS		SUPERIOR	98.07	40.02	482	-24	4	36	2	36	56	-24	40	60	-32	40	58	-28	PG 64 -34
NE OTOE		SYRACUSE	96.18	40.67	336	-26	3	36	2	36	56	-26	40	60	-32	40	58	-28	PG 64 -34
NE JOHNSON		TECUMSEH 4 E	96.12	40.38	357	-27	3	36	2	36	56	-27	40	60	-33	40	58	-28	PG 64 -34
NE BURT		TEKAMAH	96.23	41.77	317	-27	2	35	2	35	55	-27	39	59	-31	39	58	-28	PG 64 -34
NE HITCHCOCK		TRENTON DAM	101.07	40.17	857	-26	4	37	2	37	57	-26	41	61	-34	41	58	-28	PG 64 -34
NE MCPHERSON		TRYON 4 ENE	100.88	41.57	994	-27	6	35	2	35	55	-27	39	59	-39	39	58	-28	PG 64 -40
NE CHERRY		VALENTINE LAKES GAME RF	100.68	42.58	894	-28	3	35	2	35	54	-28	39	58	-34	39	58	-28	PG 64 -34
NE CHERRY		VALENTINE WSO AP	100.55	42.87	790	-31	4	36	2	36	55	-31	40	59	-39	40	58	-28	PG 64 -40
NE SAUNDERS		WAHOO	96.63	41.20	369	-26	4	36	2	36	56	-26	40	60	-34	40	58	-28	PG 64 -34
NE DIXON		WAKEFIELD	96.87	42.27	430	-31	3	35	2	35	55	-31	39	58	-37	39	58	-28	PG 64 -40
NE LINCOLN		WALLACE 1 ENE	101.17	40.83	939	-29	4	36	2	36	56	-29	40	60	-37	40	58	-34	PG 64 -40
NE THURSTON		WALTHILL	96.50	42.15	372	-30	3	35	2	35	55	-30	39	58	-36	39	58	-34	PG 64 -40

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		PG	HT	LT	PG
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT				
NE	CASS	WEeping WATER	96.15	40.87	336	-27	3	36	2	36	56	-27	-27	40	60	-33	-33	PG	64	-34	PG
NE	CUMING	WEST POINT	96.72	41.83	384	-28	4	36	3	36	56	-28	-28	42	61	-36	-36	PG	64	-40	PG
NE	YORK	YORK	97.60	40.87	491	-26	3	36	2	36	56	-26	-26	40	60	-32	-32	PG	64	-34	PG
OK	PONTOTOC	ADA	96.68	34.78	311	-15	3	38	2	38	59	-15	-15	42	63	-21	-21	PG	64	-22	PG
OK	JACKSON	ALTUS IRR RESEARCH STN	99.03	34.88	421	-15	4	39	2	39	60	-15	-15	43	64	-23	-23	PG	70	-28	PG
OK	KIOWA	ALTUS DAM	99.30	34.88	467	-15	3	39	2	39	60	-15	-15	43	64	-21	-21	PG	64	-22	PG
OK	WOODS	ALVA	98.68	36.80	442	-18	4	39	2	39	60	-18	-18	43	64	-26	-26	PG	64	-28	PG
OK	PUSHMATAHA	ANTLERS	95.63	34.25	159	-14	4	37	3	37	58	-14	-14	43	64	-22	-22	PG	70	-22	PG
OK	CADDO	APACHE	98.37	34.90	390	-15	3	39	2	39	59	-15	-15	43	64	-21	-21	PG	64	-22	PG
OK	CARTER	ARDMORE	97.15	34.20	262	-14	3	38	2	38	59	-14	-14	42	63	-20	-20	PG	64	-22	PG
OK	CARTER	ARDMORE FAA AIRPORT	97.02	34.30	223	-14	3	38	2	38	59	-14	-14	42	63	-20	-20	PG	64	-22	PG
OK	ELLIS	ARNETT	99.77	36.13	750	-18	3	37	2	37	58	-18	-18	41	62	-20	-20	PG	64	-22	PG
OK	ATOKA	ATOKA	96.15	34.40	177	-14	3	37	2	37	58	-14	-14	42	63	-27	-27	PG	64	-28	PG
OK	OSAGE	BARNSDALL	96.17	36.57	235	-19	4	38	2	38	59	-19	-19	42	63	-27	-27	PG	64	-28	PG
OK	OSAGE	BARTLESVILLE 2 W	96.00	36.75	220	-19	4	38	2	38	59	-19	-19	42	63	-27	-27	PG	64	-28	PG
OK	MCCURTAIN	BEAR MOUNTAIN TOWER	94.95	34.13	244	-14	3	37	2	37	58	-14	-14	41	62	-20	-20	PG	64	-22	PG
OK	BEAVER	BEAVER	100.53	36.82	753	-22	4	38	2	38	59	-22	-22	42	63	-30	-30	PG	64	-34	PG
OK	NOBLE	BILLINGS	97.45	36.53	305	-18	3	38	2	38	59	-18	-18	42	63	-24	-24	PG	64	-28	PG
OK	TULSA	BIXBY	95.88	35.97	186	-17	4	37	2	37	58	-17	-17	41	62	-25	-25	PG	64	-28	PG
OK	KAY	BLACKWELL 1 W	97.30	36.80	317	-17	3	39	2	39	60	-17	-17	43	64	-23	-23	PG	64	-28	PG
OK	MCCAIN	BLANCHARD 2 SSW	97.07	35.12	390	-16	3	38	2	38	59	-16	-16	42	63	-22	-22	PG	64	-22	PG
OK	CIMARRON	BOISE CITY 2 E	102.48	36.73	1266	-22	3	37	2	37	58	-22	-22	41	62	-28	-28	PG	64	-28	PG
OK	CHOCTAW	BOSWELL 4 NNW	95.88	34.08	165	-13	3	37	2	37	58	-13	-13	41	62	-19	-19	PG	64	-22	PG
OK	CREEK	BRISTOW	96.38	35.83	250	-17	4	38	2	38	59	-17	-17	42	63	-25	-25	PG	64	-28	PG
OK	MCCURTAIN	BROKEN BOW DAM	94.70	34.13	134	-13	3	37	2	37	58	-13	-13	41	62	-19	-19	PG	64	-22	PG
OK	HARPER	BUFFALO	99.62	36.83	549	-20	4	39	2	39	60	-20	-20	43	64	-28	-28	PG	64	-28	PG
OK	BLAINE	CANTON DAM	98.60	36.08	503	-18	3	38	2	38	59	-18	-18	42	63	-24	-24	PG	64	-28	PG
OK	CADDO	CARNEGIE 2 ENE	98.57	35.12	409	-17	3	39	2	39	60	-17	-17	43	64	-23	-23	PG	64	-28	PG
OK	COMANCHE	CHATTANOOGA 3 NE	98.62	34.45	351	-16	3	40	2	40	61	-16	-16	44	65	-22	-22	PG	70	-22	PG
OK	ALFALFA	CHEROKEE	98.35	36.77	360	-18	3	39	2	39	60	-18	-18	43	64	-24	-24	PG	64	-28	PG
OK	GRADY	CHICKASHA	97.95	35.03	332	-16	4	39	2	39	60	-16	-16	43	64	-24	-24	PG	64	-28	PG
OK	GRADY	CHICKASHA EXP STATION	97.92	35.05	332	-17	3	38	2	38	59	-17	-17	42	63	-23	-23	PG	64	-28	PG
OK	ROGERS	CLAREMORE 2 ENE	95.58	36.32	180	-18	4	37	2	37	58	-18	-18	41	62	-26	-26	PG	64	-28	PG
OK	PAWNEE	CLEVELAND	96.47	36.30	244	-17	3	38	2	38	59	-17	-17	42	63	-23	-23	PG	64	-28	PG
OK	QUSTER	CLINTON	98.97	35.52	491	-17	3	39	2	39	60	-17	-17	43	64	-23	-23	PG	64	-28	PG
OK	WASHITA	CLOUD CHIEF 2 SE	98.82	35.23	458	-16	3	39	2	39	60	-16	-16	43	64	-22	-22	PG	64	-22	PG
OK	WASHITA	CORDELL	98.98	35.28	470	-16	3	39	2	39	60	-16	-16	43	64	-22	-22	PG	64	-22	PG
OK	PAYNE	CUSHING	96.77	35.98	290	-17	3	38	2	38	59	-17	-17	42	63	-20	-20	PG	64	-22	PG
OK	STEPHENS	DUNCAN	97.97	34.50	345	-14	3	38	2	38	59	-14	-14	42	63	-21	-21	PG	64	-22	PG
OK	BRYAN	DURANT-USA	96.38	34.02	201	-13	4	38	2	38	59	-13	-13	42	63	-23	-23	PG	64	-22	PG
OK	CANADIAN	EL RENO 1 N	97.97	35.55	403	-17	3	38	2	38	59	-17	-17	42	63	-23	-23	PG	64	-28	PG
OK	BECKHAM	ELK CITY	99.40	35.38	601	-17	3	38	2	38	59	-17	-17	42	63	-23	-23	PG	64	-28	PG
OK	BECKHAM	END	97.87	36.42	381	-16	5	39	2	39	60	-16	-16	43	64	-26	-26	PG	64	-28	PG
OK	BECKHAM	ERICK 4 E	99.80	35.20	607	-17	3	38	2	38	59	-17	-17	42	63	-23	-23	PG	64	-28	PG
OK	MCINTOSH	EUFULA	95.58	35.30	189	-14	4	37	3	37	58	-14	-14	43	64	-22	-22	PG	64	-22	PG
OK	MAJOR	FAIRVIEW	98.48	36.27	396	-17	3	39	2	39	60	-17	-17	43	64	-23	-23	PG	64	-28	PG
OK	MCCURTAIN	FLASHMAN TOWER	95.00	34.48	534	-16	3	35	2	35	56	-16	-16	41	62	-22	-22	PG	64	-22	PG
OK	CHEROKEE	FORT GIBSON DAM	95.23	35.87	162	-16	3	37	2	37	58	-16	-16	42	63	-25	-25	PG	64	-28	PG
OK	WOODWARD	FORT SUPPLY DAM	99.58	36.55	634	-19	3	38	2	38	59	-19	-19	43	64	-28	-28	PG	64	-28	PG
OK	WOODS	FREEDOM	99.12	36.77	467	-20	4	39	2	39	60	-20	-20	42	63	-26	-26	PG	64	-28	PG
OK	ELLIS	GAGE FAA AP	99.77	36.30	668	-20	3	38	2	38	59	-20	-20	42	63	-23	-23	PG	64	-28	PG
OK	BLAINE	GEARY	98.32	35.63	488	-17	3	38	2	38	59	-17	-17	42	63	-23	-23	PG	64	-28	PG
OK	TEXAS	GOODWELL RESEARCH STN	101.62	36.60	1010	-21	3	37	2	37	58	-21	-21	41	62	-27	-27	PG	64	-28	PG

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG			LAT			ELEV			AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE									
			LONG	LAT	ELEV	LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				TEMPERATURES				BINDER GRADE											
						AVG	STD	AVG	STD	MAX AIR	MIN PVT	MIN AIR	MIN PVT	MAX AIR	MIN PVT	MIN AIR	MIN PVT	MAX AIR	MIN PVT	MIN AIR	MIN PVT	PG	HT	LT	PG	HT	LT						
OK	MAYES	GRAND RIVER DAM	95.05	36.47	235	-17	3	37	3	37	3	37	58	-17	-17	58	-17	-17	58	-17	-17	58	-22	-23	PG	64	-28	PG	70	-28	PG	64	-28
OK	ALFALFA	GREAT SALT PLAINS DAM	98.13	36.75	366	-18	3	39	3	39	3	39	60	-18	-18	60	-18	-18	60	-18	-18	60	-22	-24	PG	64	-28	PG	70	-28	PG	64	-28
OK	DELAWARE	GROVE	94.78	36.60	238	-18	4	37	3	37	3	37	58	-18	-18	58	-18	-18	58	-18	-18	58	-22	-26	PG	64	-28	PG	64	-28	PG	64	-28
OK	LOGAN	GUTHRIE	97.45	35.88	314	-18	3	38	2	38	2	38	59	-18	-18	59	-18	-18	59	-18	-18	59	-22	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	ROGER MILLS	HAMMON 1 NNE	99.37	35.63	543	-18	3	39	2	39	2	39	60	-18	-18	60	-18	-18	60	-18	-18	60	-22	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	MCINTOSH	HANNA	95.88	35.20	207	-17	4	38	2	38	2	38	59	-17	-17	59	-17	-17	59	-17	-17	59	-22	-25	PG	64	-28	PG	64	-28	PG	64	-28
OK	CARTER	HEADTON	97.50	34.23	281	-16	3	39	2	39	2	39	60	-16	-16	60	-16	-16	60	-16	-16	60	-22	-22	PG	64	-28	PG	70	-22	PG	64	-28
OK	ALFALFA	HELENA 1 SSE	98.27	36.53	412	-19	3	38	2	38	2	38	59	-19	-19	59	-19	-19	59	-19	-19	59	-23	-25	PG	64	-28	PG	64	-28	PG	64	-28
OK	KINGFISHER	HENNESSEY 2 SEE	97.87	36.08	351	-17	3	39	2	39	2	39	60	-17	-17	60	-17	-17	60	-17	-17	60	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	KIOWA	HOBART FAA AIRPORT	99.05	35.00	473	-16	3	39	2	39	2	39	60	-16	-16	60	-16	-16	60	-16	-16	60	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	HUGHES	HOLDENVILLE	96.40	35.08	262	-16	4	38	2	38	2	38	59	-16	-16	59	-16	-16	59	-16	-16	59	-24	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	HARMON	HOLLIS	99.92	34.70	497	-16	3	41	2	41	2	41	62	-16	-16	62	-16	-16	62	-16	-16	62	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	TEXAS	HOOVER	101.22	36.87	915	-21	4	38	2	38	2	38	59	-21	-21	59	-21	-21	59	-21	-21	59	-29	-29	PG	64	-28	PG	64	-28	PG	64	-28
OK	CHOCTAW	HUGO	95.52	34.00	174	-13	3	38	2	38	2	38	59	-13	-13	59	-13	-13	59	-13	-13	59	-19	-19	PG	64	-28	PG	64	-28	PG	64	-28
OK	OSAGE	HULAH DAM	96.10	36.92	226	-19	4	37	3	37	3	37	58	-19	-19	58	-19	-19	58	-19	-19	58	-22	-27	PG	64	-28	PG	64	-28	PG	64	-28
OK	DELAWARE	JAY	94.80	36.42	317	-18	3	36	3	36	3	36	57	-18	-18	57	-18	-18	57	-18	-18	57	-24	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	DELAWARE	KANSAS 1 ESE	94.78	36.20	360	-18	3	36	2	36	2	36	57	-18	-18	57	-18	-18	57	-18	-18	57	-24	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	CIMARRON	KENTON	102.97	36.90	1327	-23	4	37	2	37	2	37	58	-23	-23	58	-23	-23	58	-23	-23	58	-31	-31	PG	64	-34	PG	64	-34	PG	64	-34
OK	TULSA	KEYSTONE DAM	96.25	36.15	217	-18	3	37	2	37	2	37	58	-18	-18	58	-18	-18	58	-18	-18	58	-24	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	KINGFISHER	KINGFISHER 2 SE	97.90	35.85	336	-17	4	39	2	39	2	39	60	-17	-17	60	-17	-17	60	-17	-17	60	-25	-25	PG	64	-28	PG	64	-28	PG	64	-28
OK	HASKELL	LAKE EUFAULA	95.37	35.30	223	-16	4	37	2	37	2	37	58	-16	-16	58	-16	-16	58	-16	-16	58	-24	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	OKLAHOMA	LAKE OVERHOLSER	97.67	35.48	387	-16	3	37	2	37	2	37	58	-16	-16	58	-16	-16	58	-16	-16	58	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	COMANCHE	LAWTON	98.45	34.62	351	-15	3	39	2	39	2	39	60	-15	-15	60	-15	-15	60	-15	-15	60	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	GARVIN	LINDSAY 2 W	97.65	34.82	299	-16	4	38	2	38	2	38	59	-16	-16	59	-16	-16	59	-16	-16	59	-24	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	MARSHALL	MADILL	96.77	34.08	235	-13	3	38	2	38	2	38	59	-13	-13	59	-13	-13	59	-13	-13	59	-19	-19	PG	64	-28	PG	64	-28	PG	64	-28
OK	GREER	MANGUM RESEARCH STATION	99.43	34.83	464	-16	3	40	2	40	2	40	61	-16	-16	61	-16	-16	61	-16	-16	61	-21	-21	PG	64	-28	PG	64	-28	PG	64	-28
OK	PAWNEE	MANFORD 6 NW	96.43	36.17	253	-19	3	38	2	38	2	38	59	-19	-19	59	-19	-19	59	-19	-19	59	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	LOVE	MARIETTA	97.12	33.93	259	-14	3	38	2	38	2	38	59	-14	-14	59	-14	-14	59	-14	-14	59	-24	-24	PG	64	-28	PG	64	-28	PG	64	-28
OK	PITTSBURG	MC ALESTER FAA AP	95.78	34.88	232	-16	4	38	2	38	2	38	59	-16	-16	59	-16	-16	59	-16	-16	59	-25	-25	PG	64	-28	PG	64	-28	PG	64	-28
OK	HASKELL	MC CURTAIN 1 SE	94.97	35.15	201	-17	4	38	2	38	2	38	59	-17	-17	59	-17	-17	59	-17	-17	59	-23	-23	PG	64	-28	PG	64	-28	PG	64	-28
OK	LINCOLN	MEEKER 4 W	96.98	35.50	284	-17	3	38	2	38	2	38	59	-17	-17	59	-17	-17	59	-17	-17	59	-23	-23	PG	64	-28	PG	64	-28	PG	64	-28
OK	OTTAWA	MIAMI	94.88	36.88	247	-18	4	37	2	37	2	37	58	-18	-18	58	-18	-18	58	-18	-18	58	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	MUSKOGEE	MUSKOGEE	95.33	35.77	177	-16	3	37	2	37	2	37	58	-16	-16	58	-16	-16	58	-16	-16	58	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	WOODWARD	MUTUAL	99.17	36.23	570	-19	3	39	2	39	2	39	60	-19	-19	60	-19	-19	60	-19	-19	60	-25	-25	PG	64	-28	PG	64	-28	PG	64	-28
OK	KAY	NEWKIRK	97.05	36.88	351	-18	4	38	3	38	3	38	59	-18	-18	59	-18	-18	59	-18	-18	59	-26	-26	PG	64	-28	PG	64	-28	PG	64	-28
OK	CLEVELAND	NORMAN 3 S	97.45	35.18	339	-16	3	38	2	38	2	38	59	-16	-16	59	-16	-16	59	-16	-16	59	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	DEWEY	NORMAN UNIV OF OKLA	97.43	35.22	357	-14	4	38	2	38	2	38	59	-14	-14	59	-14	-14	59	-14	-14	59	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	BLAINE	OAKWOOD 3 SW	98.73	35.90	534	-18	4	38	2	38	2	38	59	-18	-18	59	-18	-18	59	-18	-18	59	-23	-23	PG	64	-28	PG	64	-28	PG	64	-28
OK	OKLAHOMA	OKLAHOMA CITY PENN AVE	98.32	36.12	369	-17	3	39	2	39	2	39	60	-17	-17	60	-17	-17	60	-17	-17	60	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	OKLAHOMA	OKLAHOMA CITY WSO AP	97.55	35.47	366	-16	3	38	2	38	2	38	59	-16	-16	59	-16	-16	59	-16	-16	59	-22	-22	PG	64	-28	PG	64	-28	PG	64	-28
OK	OKLAHOMA	OKLAHOMA CITY WSO AP	97.60	35.40	390	-16	3	37	2	37	2	37	58	-16	-16	58	-16	-16	58	-16	-16	58	-22	-22	PG	64	-28	PG	64	-28	PG	64	-2

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN PVT	MAX AIR	MIN PVT	MAX AIR	MIN PVT	MAX AIR	MIN PVT		
OK	BECKHAM	SAYRE	99.62	35.30	549	-16	3	39	2	39	-16	60	-16	43	-22	64	-22	PG	64 -22
OK	SEMINOLE	SEMINOLE	96.67	35.23	265	-16	3	38	2	38	-16	59	-16	42	-22	63	-22	PG	64 -22
OK	POTTAWATOMIE	SHAWNEE	96.90	35.35	320	-17	3	38	2	38	-17	59	-17	42	-23	63	-23	PG	64 -28
OK	MAYES	SPAVINAW	95.05	36.38	210	-18	4	37	2	37	-18	58	-18	41	-26	62	-26	PG	64 -28
OK	PAYNE	STILLWATER 2 W	97.10	36.12	274	-17	4	38	2	38	-17	59	-17	42	-25	63	-25	PG	64 -28
OK	ADAIR	STILLWATER 1 NE	94.62	35.83	329	-18	4	36	2	36	-18	57	-18	40	-26	61	-26	PG	64 -28
OK	CHEOKEE	TAHLEQUAH	94.97	35.93	259	-18	4	37	2	37	-18	58	-18	41	-26	62	-26	PG	64 -28
OK	DEWEY	TALOGA	96.97	36.03	522	-19	3	39	2	39	-19	60	-19	43	-25	64	-25	PG	64 -28
OK	SEJOYAH	TENKILLER FERRY DAM	95.05	35.60	235	-15	3	37	2	37	-15	58	-15	41	-21	62	-21	PG	64 -22
OK	TULSA	TULSA WSO AP	95.90	36.18	204	-17	3	37	2	37	-17	58	-17	41	-23	62	-23	PG	64 -28
OK	PUSHMATAHA	TUSKOHOMA	95.28	34.62	183	-17	4	38	2	38	-17	59	-17	42	-23	63	-23	PG	64 -28
OK	CRAIG	VINITA 2 N	95.13	36.67	226	-19	4	37	3	37	-19	58	-19	42	-23	63	-23	PG	64 -28
OK	WAGONER	WAGONER	95.37	35.97	180	-17	3	38	2	38	-17	59	-17	42	-23	63	-23	PG	64 -28
OK	COTTON	WATERS	98.30	34.35	308	-15	3	40	2	40	-15	61	-15	44	-21	65	-21	PG	70 -22
OK	BLAINE	WATONGA	98.42	35.85	473	-18	3	38	2	38	-18	59	-18	42	-24	63	-24	PG	64 -28
OK	JEFFERSON	WAURIKA	98.00	34.17	268	-14	4	39	2	39	-14	60	-14	43	-22	64	-22	PG	64 -28
OK	WOODS	WAYNOKA	98.87	36.58	458	-19	3	39	2	39	-19	60	-19	43	-25	64	-25	PG	64 -28
OK	CUSTER	WEATHERFORD	98.70	35.53	503	-16	3	39	2	39	-16	60	-16	43	-22	64	-22	PG	64 -28
OK	MUSKOGEE	WEBBERS FALLS 5 WSW	95.20	35.48	168	-16	4	37	2	37	-16	58	-16	41	-24	62	-24	PG	64 -28
OK	COMANCHE	WICHITA MT WILDLIFE REF	98.72	34.73	509	-17	3	38	2	38	-17	59	-17	42	-23	63	-23	PG	64 -28
OK	LATIMER	WILBURTON 9 ENE	95.17	34.95	195	-16	5	38	2	38	-16	59	-16	42	-24	63	-24	PG	64 -28
OK	LE FLORE	WISTER DAM	94.72	34.93	152	-16	4	38	2	38	-16	59	-16	42	-24	63	-24	PG	64 -28
OK	WOODWARD	WOODWARD	99.40	36.43	580	-19	3	39	1	39	-19	60	-19	43	-25	64	-25	PG	64 -28
OK	WOODWARD	WOODWARD FLD STATION	99.40	36.42	507	-18	3	38	2	38	-18	59	-18	42	-25	64	-25	PG	64 -28
OK	LAKE	ADEL	119.90	42.18	1397	-18	5	34	4	34	-18	54	-18	42	-28	61	-28	PG	64 -28
OK	LAKE	ALKALI LAKE	120.00	42.97	1321	-24	5	35	2	35	-24	54	-24	42	-28	61	-28	PG	64 -28
OK	HARNEY	ANDREWS WESTON MINE	118.55	42.55	1458	-17	4	33	1	33	-17	53	-17	42	-28	61	-28	PG	64 -28
OK	WASCO	ANTELOPE 1 NW	120.73	44.92	866	-19	6	34	2	34	-19	53	-19	42	-28	61	-28	PG	64 -28
OK	GILLIAM	ARLINGTON	120.20	45.72	88	-17	6	38	2	38	-17	56	-17	42	-29	60	-29	PG	64 -34
OK	JACKSON	ASHLAND	122.72	42.22	534	-11	3	34	2	34	-11	54	-11	42	-29	60	-29	PG	58 -22
OK	CLATSOP	ASTOR EXP STN	123.82	46.15	15	-9	3	25	1	25	-9	44	-9	37	-15	46	-15	PG	46 -16
OK	GRANT	AUSTIN 3 S	118.50	44.58	1284	-31	6	32	2	32	-31	51	-31	36	-43	55	-43	PG	58 -46
OK	BAKER	BAKER FAA AP	117.82	44.83	1028	-26	6	34	2	34	-26	53	-26	38	-38	57	-38	PG	58 -40
OK	BAKER	BAKER KBKR	117.83	44.77	1049	-23	6	34	1	34	-23	53	-23	36	-35	55	-35	PG	58 -40
OK	COOS	BANDON 2 NNE	124.40	43.15	6	-5	2	21	2	21	-5	41	-5	25	-9	45	-9	PG	46 -10
OK	CROOK	BARNES STATION	120.22	43.95	1211	-24	6	33	2	33	-24	52	-24	37	-36	56	-36	PG	58 -40
OK	LINN	BELKNAP SPRINGS 8 N	122.03	44.30	656	-12	4	33	2	33	-12	52	-12	37	-20	56	-20	PG	58 -22
OK	DESCHUTES	BEND	121.28	44.07	1116	-22	6	33	2	33	-22	52	-22	37	-34	56	-34	PG	58 -34
OK	MALHEUR	BEULAH	118.17	43.92	997	-23	6	36	2	36	-23	55	-23	40	-35	59	-35	PG	64 -40
OK	CURRY	BROOKINGS	124.28	42.05	21	-2	2	26	2	26	-2	46	-2	30	-6	50	-6	PG	52 -10
OK	DESCHUTES	BROTHERS	120.60	43.80	1415	-25	5	33	2	33	-25	52	-25	37	-35	56	-35	PG	58 -40
OK	LANE	CANARY	124.03	43.92	24	-7	2	26	1	26	-7	46	-7	28	-11	47	-11	PG	52 -16
OK	CURRY	CAPE BLANCO	124.57	42.83	58	-2	2	18	1	18	-2	38	-2	20	-6	40	-6	PG	46 -10
OK	LINN	CASCADE SUMMIT	122.03	43.58	1476	-19	6	28	3	28	-19	48	-19	34	-31	53	-31	PG	58 -34
OK	JOSEPHINE	CASCADE	122.48	44.40	262	-11	4	32	2	32	-11	51	-11	36	-19	55	-19	PG	58 -22
OK	JOSEPHINE	CAVE JUNCTION 1 WNW	123.67	42.17	390	-9	4	36	2	36	-9	56	-9	40	-17	59	-17	PG	64 -22
OK	KLAMATH	CHEMULT	121.78	43.23	1452	-27	4	32	2	32	-27	51	-27	36	-35	55	-35	PG	58 -40
OK	YAMHILL	CHERRY GROVE 2 S	123.25	45.42	238	-9	4	32	2	32	-9	51	-9	36	-17	55	-17	PG	58 -22
OK	KLAMATH	CHILQUIN	121.87	42.58	1278	-22	3	32	3	32	-22	52	-22	38	-28	57	-28	PG	58 -28
OK	COLUMBIA	CLATSkanie	123.20	46.10	6	-9	4	28	2	28	-9	47	-9	32	-17	51	-17	PG	52 -22
OK	TILLAMOOK	CLOVERDALE	123.90	45.20	3	-7	3	26	2	26	-7	45	-7	30	-13	49	-13	PG	52 -16
OK	GILLIAM	CONDON	120.18	45.23	872	-20	6	33	3	33	-20	52	-20	39	-32	58	-32	PG	58 -34
OK	BENTON	CORVALLIS WATER BUREAU	123.45	44.52	180	-9	4	32	2	32	-9	51	-9	36	-17	55	-17	PG	58 -22

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG			LAT			ELEV			AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY			
			LONG	LAT	ELEV	LOW TEMP		HIGH TEMP		MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	TEMPERATURES		MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT		
						AVG	STD	AVG	STD								MAX AIR	MAX PVT								MIN AIR	MIN PVT
CR	LANE	COTTAGE GROVE 1 S	123.07	43.78	198	-11	4	32	2	32	51	-11	-11	32	51	-11	-11	36	55	-19	-19	36	55	-17	-17	RG	58-22
CR	LANE	COTTAGE GROVE DAM	123.05	43.72	253	-9	4	32	2	32	51	-9	-9	32	51	-9	-9	36	55	-34	-34	36	55	-34	-34	RG	58-34
CR	UNION	COVE 1 ENE	117.80	45.30	952	-22	6	33	2	33	52	-22	-22	33	52	-22	-22	37	56	-27	-27	37	56	-27	-27	RG	58-28
CR	KLAMATH	CRATER LAKE NPS HQ	122.13	42.90	1976	-19	4	26	2	26	46	-19	-19	26	46	-19	-19	30	50	-20	-20	30	50	-20	-20	PG	52-28
CR	POLK	DALLAS 2 NE	123.28	44.95	88	-10	5	33	2	33	52	-10	-10	33	52	-10	-10	37	56	-40	-40	37	56	-40	-40	PG	58-22
CR	MALHEUR	DANNER	117.33	42.93	1290	-28	6	36	2	36	55	-28	-28	36	55	-28	-28	40	59	-33	-33	40	59	-33	-33	PG	64-40
CR	GRANT	DAYVILLE	119.53	44.47	720	-19	7	36	2	36	55	-19	-19	36	55	-19	-19	40	59	-22	-22	40	59	-22	-22	PG	64-34
CR	MARION	DETROIT	122.15	44.73	485	-14	4	33	2	33	52	-14	-14	33	52	-14	-14	37	56	-14	-14	37	56	-14	-14	PG	58-22
CR	MARION	DETROIT DAM	122.25	44.72	372	-8	3	32	2	32	51	-8	-8	32	51	-8	-8	36	55	-13	-13	36	55	-13	-13	PG	58-16
CR	COOS	DORA 2 W	124.00	43.17	274	-7	3	31	2	31	51	-7	-7	31	51	-7	-7	35	54	-18	-18	35	54	-18	-18	PG	58-16
CR	LANE	DORENA DAM	122.97	43.78	250	-10	4	32	2	32	51	-10	-10	32	51	-10	-10	36	55	-20	-20	36	55	-20	-20	PG	58-22
CR	DOUGLAS	DRAIN	123.32	43.67	88	-8	6	34	2	34	53	-8	-8	34	53	-8	-8	38	57	-32	-32	38	57	-32	-32	PG	64-34
CR	WASCO	DURR	121.13	45.45	406	-18	7	36	2	36	55	-18	-18	36	55	-18	-18	40	59	-35	-35	40	59	-35	-35	PG	64-40
CR	BAKER	DURKEE 3 NNW	117.48	44.62	848	-21	7	36	2	36	55	-21	-21	36	55	-21	-21	41	59	-33	-33	41	59	-33	-33	PG	64-34
CR	UMATILLA	ECHO	119.18	45.75	201	-19	7	37	2	37	55	-19	-19	37	55	-19	-19	40	58	-36	-36	40	58	-36	-36	PG	64-40
CR	UNION	ELGN	117.92	45.57	811	-24	6	36	2	36	55	-24	-24	36	55	-24	-24	40	58	-37	-37	40	58	-37	-37	PG	58-16
CR	DOUGLAS	ELKTON 3 SW	123.58	43.60	37	-7	4	34	2	34	53	-7	-7	34	53	-7	-7	38	57	-15	-15	38	57	-15	-15	PG	58-16
CR	WALLOWA	ENTERPRISE	117.27	45.43	1156	-27	6	33	2	33	52	-27	-27	33	52	-27	-27	37	56	-39	-39	37	56	-39	-39	PG	58-40
CR	WALLOWA	ENTERPRISE 20 NNE	117.15	45.70	1000	-27	5	34	2	34	53	-27	-27	34	53	-27	-27	38	56	-37	-37	38	56	-37	-37	PG	58-40
CR	CLACKAMAS	ESTACADA 2 SE	122.32	45.27	125	-9	3	32	2	32	51	-9	-9	32	51	-9	-9	36	55	-15	-15	36	55	-15	-15	PG	58-16
CR	POLK	FALLS CITY 2	123.43	42.85	134	-10	3	32	2	32	52	-10	-10	32	52	-10	-10	36	55	-16	-16	36	55	-16	-16	PG	58-16
CR	LANE	FERNRIDGE DAM	123.30	44.12	150	-9	4	32	2	32	51	-9	-9	32	51	-9	-9	36	55	-17	-17	36	55	-17	-17	PG	58-22
CR	JACKSON	FISH LAKE	122.35	42.38	1415	-19	4	31	2	31	51	-19	-19	31	51	-19	-19	35	55	-27	-27	35	55	-27	-27	PG	58-28
CR	WHEELER	FOSSIL	120.22	45.00	808	-22	6	33	2	33	52	-22	-22	33	52	-22	-22	37	56	-34	-34	37	56	-34	-34	PG	58-34
CR	LANE	FOSTER DAM	122.67	44.42	168	-9	4	32	2	32	51	-9	-9	32	51	-9	-9	36	55	-17	-17	36	55	-17	-17	PG	58-22
CR	LANE	FREMONT 5 NW	121.20	43.38	1406	-27	5	33	2	33	52	-27	-27	33	52	-27	-27	37	56	-37	-37	37	56	-37	-37	PG	58-40
CR	WASCO	FRIEND	121.27	45.35	744	-19	7	33	2	33	52	-19	-19	33	52	-19	-19	37	56	-33	-33	37	56	-33	-33	PG	58-34
CR	CURRY	GOLD BEACH R S	124.42	42.40	15	-2	3	22	1	22	42	-2	-2	22	42	-2	-2	24	44	-8	-8	24	44	-8	-8	PG	46-10
CR	CLACKAMAS	GOVERNMENT CAMP	121.75	45.30	1214	-18	4	27	2	27	46	-18	-18	27	46	-18	-18	31	50	-26	-26	31	50	-26	-26	PG	52-28
CR	GRANT	GRANITE 4 WSW	118.50	44.80	1507	-27	4	30	2	30	49	-27	-27	30	49	-27	-27	34	53	-35	-35	34	53	-35	-35	PG	58-40
CR	JOSEPHINE	GRANTS PASS	123.33	42.42	293	-9	3	37	2	37	56	-9	-9	37	56	-9	-9	41	60	-15	-15	41	60	-15	-15	PG	64-16
CR	JEFFERSON	GRIZZLY	120.93	44.52	1110	-22	6	32	2	32	51	-22	-22	32	51	-22	-22	36	55	-34	-34	36	55	-34	-34	PG	58-34
CR	BAKER	HALFWAY	117.12	44.88	814	-28	6	35	2	35	54	-28	-28	35	54	-28	-28	39	58	-40	-40	39	58	-40	-40	PG	58-40
CR	MALHEUR	HAPPER	117.62	43.87	766	-24	9	36	2	36	55	-24	-24	36	55	-24	-24	40	59	-42	-42	40	59	-42	-42	PG	64-46
CR	LANE	HART MOUNTAIN REFUGE	119.65	42.55	1714	-23	4	31	1	31	51	-23	-23	31	51	-23	-23	33	53	-31	-31	33	53	-31	-31	PG	58-34
CR	UMATILLA	HERMISTON 2 S	119.28	45.82	189	-20	7	37	2	37	55	-20	-20	37	55	-20	-20	41	59	-34	-34	41	59	-34	-34	PG	64-34
CR	HOOD RIVER	HOOD RIVER EXP STN	121.52	45.68	152	-14	6	33	2	33	52	-14	-14	33	52	-14	-14	37	55	-26	-26	37	55	-26	-26	PG	58-28
CR	JACKSON	HOWARD PRAIRIE DAM	122.37	42.22	1394	-19	4	31	2	31	51	-19	-19	31	51	-19	-19	35	55	-27	-27	35	55	-27	-27	PG	58-28
CR	BAKER	HUNTINGTON	117.25	44.35	644	-19	4	38	2	38	57	-19	-19	38	57	-19	-19	42	61	-27	-27	42	61	-27	-27	PG	64-28
CR	DOUGLAS	IDLEVD PARK 4 NE	122.97	43.37	329	-9	3	33	2	33	52	-9	-9	33	52	-9	-9	37	56	-15	-15	37	56	-15	-15	PG	58-16
CR	CURRY	ILLAHE	124.05	42.63	107	-6	3	36	2	36	55	-6	-6	36	55	-6	-6	40	59	-12	-12	40	59	-12	-12	PG	64-16
CR	MALHEUR	IRONSIDE 2 W	117.98	44.32	1196	-22	4	34	2	34	53	-22	-22	34	53	-22	-22	38	57	-30	-30	38	57	-30	-30	PG	58-34
CR	GRANT	JOHN DAY	118.95	44.43	933	-21	7	36	2	36	55	-21	-21	36	55	-21	-21	40	59	-35	-35	40	59	-35	-35	PG	64-40
CR	MALHEUR	JUNTURA 9 ENE	117.93	43.80	863	-18	4	37	3	37	56	-18	-18	37	56	-18	-18	43	62	-26	-26	43	62	-26	-26	PG	64-28
CR	SHERMAN	KENT	120.70	45.20	830	-19	6	34	2	34	53	-19	-19	34	53	-19	-19	38	57	-31	-31	38	57	-31	-31	PG	58-34
CR	KLAMATH	KLAMATH FALLS 2 SSW	121.75	42.17	1248	-19	5	32	2	32	52	-19	-19	32	52	-19	-19	36	56	-25	-25	36	56	-25	-25	PG	58-28
CR	KLAMATH	KLAMATH FALLS AG-STN	121.75	42.17	1248	-19	5	32	2	32	52	-19	-19	32	52	-19	-19	36	56	-29	-29	36	56	-29	-29	PG	58-34
CR	LANE	LA COMB 1 WNW	122.75	44.58	198	-10	4	32	2	32	51	-10	-10	32	51	-10	-10	36	55	-18	-18	36	55	-18	-18	PG	58-22
CR	UNION	LA GRANDE</																									

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		PG	HT
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT		
CR JACKSON		LOST CREEK DAM	122.68	42.67	482	-11	4	37	2	37	56	-11	-23	41	60	-19	-19	PG	64 -22
CR JEFFERSON		MADRAS	121.13	44.63	680	-23	7	36	2	36	55	-23	-19	40	59	-37	-37	PG	64 -40
CR JEFFERSON		MADRAS 2 N	121.15	44.67	744	-19	6	33	2	33	52	-19	-19	37	56	-31	-31	PG	58 -34
CR MALHEUR		MALHEUR BRANCH EXP STN	117.02	43.98	689	-21	6	37	1	37	56	-21	-21	39	58	-33	-33	PG	58 -34
CR HARNEY		MALHEUR REFUGEE HDQ	118.83	43.28	1254	-23	5	33	2	33	52	-23	-23	37	56	-33	-33	PG	58 -34
CR KLAMATH		MALIN 5 E	121.32	42.00	1412	-18	4	33	2	33	53	-18	-18	35	55	-26	-26	PG	58 -28
CR LINN		MARION FORKS FISH HATCH	121.95	44.60	756	-15	4	33	2	33	52	-15	-15	37	56	-23	-23	PG	58 -28
CR BAKER		MASON DAM	118.00	44.67	1190	-28	6	32	1	32	51	-28	-28	34	53	-40	-40	PG	58 -40
CR MALHEUR		MC DERMITT 26 N	117.87	42.42	1360	-23	5	36	1	36	55	-23	-23	38	57	-33	-33	PG	58 -34
CR LANE		MC KENZIE BRIDGES	122.12	44.18	451	-12	4	35	2	35	54	-12	-12	39	58	-20	-20	PG	58 -22
CR		MEACHAM AMOS	118.40	45.50	1235	-21	6	30	2	30	49	-21	-21	34	53	-33	-33	PG	58 -34
CR		METOLUS 1 W	121.18	44.58	762	-21	6	33	2	33	52	-21	-21	37	56	-33	-33	PG	58 -34
CR JEFFERSON		MIKKALO 6 W	120.35	45.47	473	-16	7	35	2	35	54	-16	-16	39	57	-30	-30	PG	58 -34
CR GILLIAM		MILTON FREEWATER	118.42	45.95	296	-18	6	36	2	36	54	-18	-18	40	58	-30	-30	PG	64 -34
CR UMATILLA		MINAM 7 NE	117.60	45.68	1101	-30	6	33	2	33	52	-30	-30	37	55	-42	-42	PG	58 -46
CR WALLAWA		MITCHELL 2 NW	120.18	44.58	808	-19	6	34	2	34	53	-19	-19	38	57	-31	-31	PG	58 -34
CR WHEELER		MOLALLA	122.57	45.15	122	-11	4	32	2	32	51	-11	-11	36	55	-19	-19	PG	58 -22
CR CLACKAMAS		MONUMENT 2	119.42	44.82	610	-21	6	37	2	37	56	-21	-21	41	60	-33	-33	PG	64 -34
CR GRANT		MORO	120.72	45.48	570	-19	6	34	2	34	53	-19	-19	38	56	-31	-31	PG	58 -34
CR SHERMAN		NEWPORT	124.05	44.58	43	-6	4	21	2	21	41	-6	-6	25	44	-14	-14	PG	46 -16
CR LINCOLN		NORTH BEND FAA AP	124.25	43.42	3	-4	2	22	1	22	42	-4	-4	24	44	-8	-8	PG	46 -10
CR COOS		NO WILLAMETTE EXP STN	122.75	45.28	46	-9	3	32	2	32	51	-9	-9	36	55	-15	-15	PG	58 -16
CR CLACKAMAS		NYSSA	117.00	43.87	665	-19	5	37	1	37	56	-19	-19	39	58	-29	-29	PG	58 -34
CR MALHEUR		OAKRIDGE FISH HATCHERY	122.45	43.75	390	-10	3	34	2	34	53	-10	-10	38	57	-16	-16	PG	58 -16
CR LANE		OCHOODS	120.43	44.40	1214	-24	5	32	2	32	51	-24	-24	36	55	-34	-34	PG	58 -34
CR CROOK		ODELL LAKE	122.05	43.58	1461	-19	4	28	2	28	48	-19	-19	32	51	-27	-27	PG	52 -28
CR KLAMATH		ONTARIO KSRV	116.97	44.05	656	-21	6	39	2	39	58	-21	-21	43	62	-33	-33	PG	64 -34
CR MALHEUR		OORANCH	119.32	43.28	1263	-22	7	32	2	32	51	-22	-22	40	59	-36	-36	PG	64 -40
CR HARNEY		OREGON CITY	122.60	45.35	52	-8	4	33	2	33	52	-8	-8	37	56	-16	-16	PG	58 -16
CR CLACKAMAS		OTIS 2 NE	123.93	45.03	46	-7	3	25	2	25	44	-7	-7	29	48	-13	-13	PG	52 -16
CR LINCOLN		OWYHEE DAM	117.25	43.65	732	-18	5	38	2	38	57	-18	-18	42	61	-28	-28	PG	64 -28
CR MALHEUR		PAISLEY	120.53	42.70	1330	-22	6	33	2	33	53	-22	-22	37	56	-34	-34	PG	58 -34
CR LAKE		PARKDALE	121.58	45.52	522	-18	7	32	2	32	51	-18	-18	36	55	-32	-32	PG	58 -34
CR HOOD RIVER		PAULINA	119.97	44.13	1122	-26	7	35	2	35	54	-26	-26	39	58	-40	-40	PG	58 -40
CR CROOK		PELTON DAM	121.23	44.73	430	-16	5	39	2	39	58	-16	-16	43	61	-26	-26	PG	64 -28
CR JEFFERSON		PENDLETON BR EXP STN	118.63	45.72	454	-22	7	37	2	37	55	-22	-22	41	59	-36	-36	PG	64 -40
CR UMATILLA		PENDLETON WSO AP	118.85	45.68	454	-19	7	36	2	36	55	-19	-19	40	58	-33	-33	PG	64 -34
CR UMATILLA		PILOT ROCK 1 SE	118.82	45.48	525	-20	7	36	2	36	55	-20	-20	38	57	-34	-34	PG	64 -34
CR UMATILLA		PINE GROVE	121.37	45.12	677	-19	7	33	2	33	52	-19	-19	37	56	-33	-33	PG	58 -34
CR WASCO		POWERS	124.07	42.88	70	-7	3	29	2	29	49	-7	-7	33	53	-13	-13	PG	58 -16
CR COOS		P-RANCH REFUGE	118.88	42.82	1281	-22	5	33	2	33	53	-22	-22	37	56	-32	-32	PG	58 -34
CR HARNEY		PRINEVILLE 4 NW	120.90	44.35	866	-22	6	34	2	34	53	-22	-22	38	57	-34	-34	PG	58 -34
CR CROOK		PROSPECT 2 SW	122.52	42.73	756	-14	4	36	2	36	55	-14	-14	40	59	-22	-22	PG	64 -22
CR JACKSON		REDMOND 2 W	121.22	44.27	918	-21	6	33	2	33	52	-21	-21	37	56	-33	-33	PG	58 -34
CR DESCHUTES		REDMOND 2 W	121.15	44.27	933	-22	6	34	2	34	53	-22	-22	38	57	-34	-34	PG	58 -34
CR DESCHUTES		REDMOND FAA AP	124.12	43.70	18	-6	3	24	1	24	44	-6	-6	26	46	-12	-12	PG	46 -16
CR DOUGLAS		REEDSPORT	117.17	44.77	677	-22	6	38	1	38	57	-22	-22	40	59	-34	-34	PG	64 -34
CR BAKER		RICHLAND	118.17	43.55	1016	-23	6	36	1	36	55	-23	-23	38	57	-35	-35	PG	58 -40
CR MALHEUR		ROCKSVILLE 5 N	117.12	43.37	1119	-23	6	34	1	34	53	-23	-23	36	55	-35	-35	PG	58 -40
CR MALHEUR		ROME 2 NW	117.65	42.87	1040	-22	6	37	3	37	56	-22	-22	43	62	-34	-34	PG	64 -34
CR MALHEUR		ROSEBURG AP	123.35	43.23	156	-8	4	34	2	34	53	-8	-8	38	57	-16	-16	PG	58 -16
CR DOUGLAS		ROSEBURG KOEN	123.35	43.20	143	-7	4	34	2	34	53	-7	-7	38	57	-15	-15	PG	58 -16
CR KLAMATH		ROUND GROVE	120.88	42.33	1492	-23	4	32	2	32	52	-23	-23	36	56	-31	-31	PG	58 -34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE			
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT		TEMPERATURES		MIN PVT		BINDER GRADE		BINDER GRADE	
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	PG
CR JACKSON		RUCH	123.03	42.23	473	-11	3	37	2	37	57	-11	-11	37	57	-11	-11	RG	58-16	RG	64-22
CR LINN		SANTIAM PASS	121.87	44.42	1449	-21	4	28	2	28	47	-21	-21	28	47	-21	-21	RG	52-22	RG	52-34
CR CLACKAMAS		SCOTTS MILLS 9 SE	122.53	44.95	708	-12	3	28	2	28	47	-12	-12	28	47	-12	-12	RG	52-16	RG	52-22
CR CLATSOP		SEASIDE	123.92	45.98	3	-7	3	24	2	24	43	-7	-7	24	43	-7	-7	RG	46-10	RG	52-16
CR GRANT		SENECA	118.97	44.13	1421	-32	7	31	2	31	50	-32	-32	31	50	-32	-32	RG	52-34	RG	58-46
CR MALHEUR		SHEAVILLE 1 SE	117.03	43.12	1409	-24	4	34	2	34	53	-24	-24	34	53	-24	-24	RG	58-28	RG	58-34
CR MARION		SILVER CREEK FALLS	122.65	44.87	412	-13	4	31	2	31	50	-13	-13	31	50	-13	-13	RG	52-16	RG	58-22
CR LAKE		SILVER LAKE R S	121.07	43.12	1336	-23	6	33	1	33	52	-23	-23	33	52	-23	-23	RG	58-28	RG	58-22
CR DESCHUTES		SILVERTON	122.77	45.00	125	-10	4	32	2	32	51	-10	-10	32	51	-10	-10	RG	52-10	RG	58-22
CR COOS		SISTERS	121.55	44.30	970	-24	5	34	2	34	53	-24	-24	34	53	-24	-24	RG	58-28	RG	58-34
CR KLAMATH		SITKUM 1 E	123.83	43.15	186	-7	3	29	2	29	49	-7	-7	29	49	-7	-7	RG	52-10	RG	58-16
CR WHEELER		SPRAGUE RIVER	121.50	42.45	1330	-23	5	33	2	33	53	-23	-23	33	53	-23	-23	RG	58-28	RG	58-34
CR HARNEY		SPRAY	119.72	43.48	1421	-21	4	33	2	33	52	-21	-21	33	52	-21	-21	RG	58-22	RG	70-28
CR MARION		SQUAW BUTTE EXP STN	119.72	43.48	1421	-21	4	33	2	33	52	-21	-21	33	52	-21	-21	RG	58-22	RG	58-34
CR LAKE		STAYTON	122.82	44.78	131	-11	4	32	2	32	51	-11	-11	32	51	-11	-11	RG	52-16	RG	58-22
CR HARNEY		SUMMER LAKE 1 S	120.78	42.95	1278	-18	5	34	2	34	53	-18	-18	34	53	-18	-18	RG	58-22	RG	58-28
CR WASCO		SUNTEX	119.63	43.60	1315	-26	5	33	1	33	52	-26	-26	33	52	-26	-26	RG	58-28	RG	58-40
CR LAKE		THE DALLES	121.20	45.60	30	-13	6	37	2	37	55	-13	-13	37	55	-13	-13	RG	58-16	RG	64-28
CR CLACKAMAS		THE POPLARS	122.07	45.12	342	-10	4	32	2	32	52	-10	-10	32	52	-10	-10	RG	52-10	RG	58-22
CR LINCOLN		TIDEWATER	123.90	44.42	15	-7	3	28	2	28	47	-7	-7	28	47	-7	-7	RG	52-10	RG	52-16
CR TILLAMOOK		TILLAMOOK 1 W	123.87	45.45	3	-8	3	24	2	24	43	-8	-8	24	43	-8	-8	RG	46-10	RG	52-16
CR DOUGLAS		TOKETEE FALLS	122.45	43.28	628	-12	3	36	2	36	55	-12	-12	36	55	-12	-12	RG	58-16	RG	64-22
CR MULTNOMAH		TROUTDALE SUBSTATION	122.40	45.67	9	-8	4	32	2	32	51	-8	-8	32	51	-8	-8	RG	52-10	RG	58-16
CR UMATILLA		UKIAH	118.93	45.13	1025	-30	7	33	2	33	52	-30	-30	33	52	-30	-30	RG	52-34	RG	58-46
CR UNION		UNION EXP STN	117.88	45.22	845	-21	6	33	1	33	52	-21	-21	33	52	-21	-21	RG	52-22	RG	58-34
CR BAKER		UNITY	118.23	44.43	1229	-27	5	34	2	34	53	-27	-27	34	53	-27	-27	RG	58-28	RG	58-40
CR MALHEUR		VALE	117.25	43.98	683	-21	6	38	2	38	57	-21	-21	38	57	-21	-21	RG	58-22	RG	64-34
CR LAKE		VALLEY FALLS	120.28	42.48	1324	-23	6	34	2	34	54	-23	-23	34	54	-23	-23	RG	58-28	RG	58-40
CR POLK		VALSETZ	123.67	44.83	354	-11	4	31	2	31	50	-11	-11	31	50	-11	-11	RG	52-16	RG	58-22
CR COLUMBIA		VERNONIA	123.20	45.87	256	-14	5	30	2	30	49	-14	-14	30	49	-14	-14	RG	52-16	RG	58-28
CR COLUMBIA		VERNONIA 2	123.18	45.87	192	-13	5	31	2	31	50	-13	-13	31	50	-13	-13	RG	52-16	RG	58-28
CR HARNEY		WAGONTIRE	119.88	43.25	1443	-22	6	33	2	33	52	-22	-22	33	52	-22	-22	RG	58-22	RG	58-34
CR UMATILLA		WALLA WALLA 13 ESE	118.05	46.00	732	-18	6	33	2	33	52	-18	-18	33	52	-18	-18	RG	52-22	RG	58-34
CR WALLOWA		WALLOWA	117.53	45.57	891	-26	6	34	2	34	53	-26	-26	34	53	-26	-26	RG	58-28	RG	58-40
CR MALHEUR		WARM SPRINGS RES	118.20	43.57	1019	-20	9	37	2	37	56	-20	-20	37	56	-20	-20	RG	58-22	RG	64-40
CR COLUMBIA		WARREN	122.85	45.82	24	-11	4	32	2	32	51	-11	-11	32	51	-11	-11	RG	52-16	RG	58-22
CR MALHEUR		WESTFALL 4 NNW	117.75	44.05	958	-20	4	36	2	36	55	-20	-20	36	55	-20	-20	RG	58-22	RG	64-28
CR HARNEY		WHITEHORSE RANCH	118.23	42.33	1336	-22	5	33	1	33	53	-22	-22	33	53	-22	-22	RG	58-22	RG	58-34
CR DESCHUTES		WICKIUP DAM	121.68	43.68	1330	-25	6	32	2	32	51	-25	-25	32	51	-25	-25	RG	52-28	RG	58-40
SD BROWN		ABERDEEN WSO AP	98.43	45.45	396	-34	3	35	2	35	54	-34	-34	35	54	-34	-34	RG	58-34	RG	58-40
SD CHARLES MIX		ACADEMY 2 NE	99.07	43.50	512	-30	3	37	2	37	56	-30	-30	37	56	-30	-30	RG	58-34	RG	58-40
SD HANSON		ALEXANDRIA	97.78	43.65	412	-31	3	36	2	36	55	-31	-31	36	55	-31	-31	RG	58-34	RG	64-40
SD DAY		ANDOVER 7 N	97.88	45.52	451	-35	3	35	2	35	54	-35	-35	35	54	-35	-35	RG	58-40	RG	58-46
SD FALL RIVER		ANGOSTURA DAM	103.43	43.35	958	-29	3	36	4	36	55	-29	-29	36	55	-29	-29	RG	58-34	RG	64-40
SD FALL RIVER		ARDMORE 2 N	103.65	43.05	1083	-32	4	36	2	36	55	-32	-32	36	55	-32	-32	RG	58-34	RG	64-40
SD DOUGLAS		ARMOUR	98.35	43.32	461	-31	4	36	2	36	55	-31	-31	36	55	-31	-31	RG	58-34	RG	64-40
SD PERKINS		BISON	102.47	45.52	848	-31	3	34	2	34	53	-31	-31	34	53	-31	-31	RG	58-34	RG	58-40
SD GREGORY		BONESTEEL	98.95	43.08	607	-29	4	36	2	36	55	-29	-29	36	55	-29	-29	RG	58-34	RG	64-40
SD MOCCOK		BRIDGEWATER	97.50	43.55	433	-31	3	35	2	35	54	-31	-31	35	54	-31	-31	RG	58-34	RG	64-40
SD MARSHALL		BRITTON	97.75	45.78	409	-34	3	34	2	34	53	-34	-34	34	53	-34	-34	RG	58-34	RG	58-40
SD LINCOLN		CANTON 4 NNW	96.67	43.30	412	-32	2	34	2	34	53	-32	-32	34	53	-32	-32	RG	58-34	RG	58-40
SD HAMLIN		CASTLEWOOD	97.03	44.72	516	-34	2	33	2	33	52	-34	-34	33	52	-34	-34	RG	52-34	RG	58-40

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
			LOW TEMP		HIGH TEMP		TEMPERATURES		MIN PVT	LT	TEMPERATURES		MIN PVT	LT	PG	HT
			AVG	STD	AVG	STD	MAX AIR	MIN AIR			MAX AIR	MIN AIR				
SD	MELLETT	CEDARBUTTE	101.02	43.58	717	-28	3	37	2	37	56	-28	-28	PG	58	-28
SD	DEUEL	CLEARLAKE	96.68	44.75	549	-32	2	33	2	33	52	-32	-32	PG	52	-34
SD	BROWN	COLUMBIA 8 N	98.30	45.73	396	-34	3	33	3	33	52	-34	-34	PG	52	-34
SD	JACKSON	COTTONWOOD 2 E	101.87	43.97	735	-32	4	37	2	37	56	-32	-32	PG	58	-34
SD	CLUSTER	CLUSTER	103.60	43.78	1671	-32	4	31	2	31	50	-32	-32	PG	52	-34
SD	LAWRENCE	DEADWOOD	103.73	44.38	1424	-28	3	32	2	32	51	-28	-28	PG	52	-28
SD	PENNINGTON	DEERFIELD 4 NW	103.90	44.07	1897	-35	4	28	3	28	47	-35	-35	PG	52	-40
SD	KINGSBURY	DE SMET	97.55	44.38	534	-32	2	34	2	34	53	-32	-32	PG	58	-34
SD	ZIEBACH	DUPREE	101.60	45.05	723	-32	3	37	2	37	56	-32	-32	PG	58	-34
SD	ZIEBACH	DUPREE 15 SSE	101.45	44.85	640	-32	4	36	2	36	55	-32	-32	PG	58	-34
SD	MCHESON	EUREKA	99.63	45.78	570	-34	4	34	2	34	53	-34	-34	PG	58	-34
SD	FAULX	FAIRFAX	98.88	43.03	589	-29	3	36	3	36	55	-29	-29	PG	58	-34
SD	FAULKTON 1 NW	FAULKTON 1 NW	99.13	45.03	479	-32	3	35	3	35	54	-32	-32	PG	58	-34
SD	MOODY	FLANDREAU	96.60	44.05	473	-33	3	33	2	33	52	-33	-33	PG	58	-34
SD	MEADE	FORT MEADE	103.47	44.40	1006	-28	3	35	2	35	54	-28	-28	PG	58	-28
SD	POTTER	FORT SULLY 8 NE	100.43	44.63	503	-31	4	37	2	37	56	-31	-31	PG	58	-34
SD	POTTER	GETTYSBURG	99.95	45.02	534	-31	3	35	2	35	54	-31	-31	PG	58	-34
SD	ZIEBACH	GLAD VALLEY 2 W	101.82	45.40	888	-31	4	34	2	34	53	-31	-31	PG	58	-34
SD	GREGORY	GREGORY	99.43	43.23	659	-29	3	37	2	37	56	-29	-29	PG	58	-34
SD	BENNETT	HARRINGTON	101.27	43.17	909	-31	3	36	2	36	55	-31	-31	PG	58	-34
SD	HUGHES	HARROLD 12 SSW	99.80	44.37	549	-34	3	37	2	37	56	-34	-34	PG	58	-34
SD	HYDE	HIGHMORE 23 NNW	99.47	44.85	555	-33	3	36	2	36	55	-33	-33	PG	58	-34
SD	HAAKON	HILLAND 4 NNW	101.88	44.33	772	-29	4	36	2	36	55	-29	-29	PG	58	-34
SD	STANLEY	HOPWELL 1 SE	100.87	44.50	586	-30	2	36	2	36	55	-30	-30	PG	58	-34
SD	FALL RIVER	HOT SPRINGS	103.47	43.43	1080	-30	4	36	2	36	55	-30	-30	PG	58	-34
SD	MINER	HOWARD	97.52	44.02	476	-32	2	34	2	34	53	-32	-32	PG	58	-34
SD	BEADLE	HURON WSO AP	98.22	44.38	390	-32	3	35	2	35	54	-32	-32	PG	58	-34
SD	JACKSON	INTERIOR 3 NE	101.95	43.75	744	-29	3	38	2	38	57	-29	-29	PG	58	-34
SD	EDMUNDS	IPSWICH	99.03	45.45	467	-33	3	35	2	35	54	-33	-33	PG	58	-34
SD	LYMAN	KENNEBEC	99.87	43.92	518	-32	3	37	2	37	56	-32	-32	PG	58	-34
SD	HAAKON	KIRLEY 6 N	101.33	44.62	659	-29	4	36	2	36	55	-29	-29	PG	58	-34
SD	LAWRENCE	LEAD	103.77	44.35	1632	-28	3	31	1	31	50	-28	-28	PG	52	-28
SD	PERKINS	LEMON	102.17	45.93	784	-32	3	33	2	33	52	-32	-32	PG	52	-34
SD	MCHESON	LEOLA	98.93	45.72	482	-32	2	34	2	34	53	-32	-32	PG	58	-34
SD	JACKSON	LONG VALLEY	101.50	43.47	753	-30	3	37	2	37	56	-30	-30	PG	58	-34
SD	HARDING	LUDLOW	103.38	45.85	930	-32	3	34	2	34	53	-32	-32	PG	58	-34
SD	LAKE	MADISON RESEARCH FARM	97.17	44.03	537	-32	2	33	2	33	52	-32	-32	PG	58	-34
SD	TURNER	MARION	97.25	43.42	442	-31	2	34	2	34	53	-31	-31	PG	58	-34
SD	BENNETT	MARTIN	101.73	43.18	1013	-28	2	35	2	35	54	-28	-28	PG	58	-28
SD	CORSON	MC INTOSH 6 SE	101.30	45.88	665	-32	3	34	2	34	53	-32	-32	PG	58	-34
SD	CORSON	MC LAUGHLIN	100.82	45.82	610	-32	7	34	2	34	53	-32	-32	PG	58	-34
SD	HAAKON	MIDLAND	101.15	44.07	573	-32	3	38	2	38	57	-32	-32	PG	58	-34
SD	GRANT	MILBANK 2 SSW	96.63	45.20	354	-31	2	33	2	33	52	-31	-31	PG	52	-34
SD	HAAKON	MILESVILLE 8 NE	101.57	44.53	677	-31	3	36	2	36	55	-31	-31	PG	58	-34
SD	HAND	MILLER	98.98	44.52	485	-30	3	36	2	36	55	-30	-30	PG	58	-34
SD	TOOD	MISSION	100.67	43.30	790	-30	3	36	2	36	55	-30	-30	PG	58	-34
SD	TOOD	MISSION 14 S	100.62	43.12	857	-29	3	35	3	35	54	-29	-29	PG	58	-34
SD	DAVISON	MITCHELL 2 NE	98.00	43.72	387	-31	3	36	2	36	55	-31	-31	PG	58	-34
SD	WALLWORTH	MOORIDGE	100.45	45.57	518	-32	3	34	2	34	53	-32	-32	PG	58	-34
SD	CLUSTER	MOUNT COOLIDGE	103.48	43.75	1952	-27	3	31	2	31	50	-27	-27	PG	52	-28
SD	PENNINGTON	MT RUSHMORE NATL MEM	103.45	43.88	1580	-28	4	32	2	32	51	-28	-28	PG	58	-40
SD	JONES	MURDO	100.72	43.88	702	-29	3	37	2	37	56	-29	-29	PG	58	-34
SD	BUTTE	NEWELL	103.42	44.72	872	-31	3	35	2	35	54	-31	-31	PG	58	-34

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY													
						LOW TEMP		HIGH TEMP		TEMPERATURES				BINDER GRADE				TEMPERATURES													
						AVG	STD	AVG	STD	MAX	AIR	MIN	PVT	PG	HT	LT	MAX	AIR	MIN	PVT	PG	HT	LT								
SD	STANLEY	OAHE DAM	100.42	44.45	506	-28	3	37	2	37	56	-28	-30	37	56	-28	-30	37	56	-28	-30	37	56	-28	-30	PG	58	-28	PG	64	-34
SD	FALL RIVER	OELRICHS	103.23	43.18	1022	-30	4	37	2	37	56	-30	-31	37	56	-30	-31	37	56	-30	-31	37	56	-30	-31	PG	58	-34	PG	64	-40
SD	SULLY	ONIDA 4 NW	100.15	44.73	564	-31	5	36	2	36	55	-31	-31	36	55	-31	-31	36	55	-31	-31	36	55	-31	-31	PG	58	-34	PG	64	-46
SD	BUTTE	ORMAN DAM	103.67	44.73	894	-31	3	36	2	36	55	-31	-31	36	55	-31	-31	36	55	-31	-31	36	55	-31	-31	PG	58	-34	PG	64	-40
SD	PENNINGTON	PACTOLA DAM	103.48	44.07	1440	-31	4	31	2	31	50	-31	-31	31	50	-31	-31	31	50	-31	-31	31	50	-31	-31	PG	52	-34	PG	58	-40
SD	HAAKON	PHILIP 4 E	101.60	44.05	674	-31	4	37	2	37	56	-31	-31	37	56	-31	-31	37	56	-31	-31	37	56	-31	-31	PG	58	-34	PG	64	-40
SD	CHARLES MIX	PICKSTOWN	98.53	43.07	454	-28	2	36	2	36	55	-28	-28	36	55	-28	-28	36	55	-28	-28	36	55	-28	-28	PG	58	-28	PG	64	-34
SD	HUGHES	PIERRE FAA AP	100.28	44.38	528	-30	3	37	2	37	56	-30	-30	37	56	-30	-30	37	56	-30	-30	37	56	-30	-30	PG	58	-34	PG	64	-40
SD	SHANNON	PINE RIDGE	102.57	43.02	985	-29	8	36	2	36	55	-29	-29	36	55	-29	-29	36	55	-29	-29	36	55	-29	-29	PG	58	-34	PG	64	-46
SD	CAMPBELL	POLLOCK	100.28	45.90	500	-35	4	35	2	35	53	-35	-35	35	53	-35	-35	35	53	-35	-35	35	53	-35	-35	PG	58	-46	PG	64	-46
SD	SHANNON	PORCUPINE 16 NW	102.52	43.43	842	-32	4	37	2	37	56	-32	-32	37	56	-32	-32	37	56	-32	-32	37	56	-32	-32	PG	58	-34	PG	64	-40
SD	HARDING	RALPH	103.10	45.80	863	-34	3	34	2	34	53	-34	-34	34	53	-34	-34	34	53	-34	-34	34	53	-34	-34	PG	58	-34	PG	64	-40
SD	PENNINGTON	RAPID CITY WSO AP	103.07	44.05	964	-28	3	35	2	35	54	-28	-28	35	54	-28	-28	35	54	-28	-28	35	54	-28	-28	PG	58	-28	PG	64	-34
SD	PENNINGTON	RAPID CITY	103.27	44.08	1028	-27	4	34	2	34	53	-27	-27	34	53	-27	-27	34	53	-27	-27	34	53	-27	-27	PG	58	-28	PG	64	-40
SD	SPINK	REDFIELD	98.53	44.87	396	-33	2	36	2	36	55	-33	-33	36	55	-33	-33	36	55	-33	-33	36	55	-33	-33	PG	58	-34	PG	64	-40
SD	SPINK	REDFIELD 6 E	98.38	44.88	396	-34	3	35	2	35	54	-34	-34	35	54	-34	-34	35	54	-34	-34	35	54	-34	-34	PG	58	-34	PG	64	-40
SD	HARDING	REDIG 11 NE	103.38	45.38	936	-33	3	34	2	34	53	-33	-33	34	53	-33	-33	34	53	-33	-33	34	53	-33	-33	PG	58	-34	PG	64	-40
SD	EDMUNDS	ROSCOE	99.33	45.45	558	-33	3	34	2	34	53	-33	-33	34	53	-33	-33	34	53	-33	-33	34	53	-33	-33	PG	58	-34	PG	64	-40
SD	PENNINGTON	SCENIC	102.55	43.77	857	-29	4	34	3	34	53	-29	-29	34	53	-29	-29	34	53	-29	-29	34	53	-29	-29	PG	58	-34	PG	64	-40
SD	PENNINGTON	SELBY	100.03	45.50	570	-32	3	34	2	34	53	-32	-32	34	53	-32	-32	34	53	-32	-32	34	53	-32	-32	PG	58	-34	PG	64	-40
SD	PERKINS	SHADEHILL DAM	102.20	45.77	680	-33	3	35	2	35	54	-33	-33	35	54	-33	-33	35	54	-33	-33	35	54	-33	-33	PG	58	-34	PG	64	-40
SD	MINNEHAHA	SHADEHILL DAM	102.20	45.77	680	-33	3	35	2	35	54	-33	-33	35	54	-33	-33	35	54	-33	-33	35	54	-33	-33	PG	58	-34	PG	64	-40
SD	ROBERTS	SHADEHILL DAM	102.20	45.77	680	-33	3	35	2	35	54	-33	-33	35	54	-33	-33	35	54	-33	-33	35	54	-33	-33	PG	58	-34	PG	64	-40
SD	ROBERTS	SHADEHILL DAM	102.20	45.77	680	-33	3	35	2	35	54	-33	-33	35	54	-33	-33	35	54	-33	-33	35	54	-33	-33	PG	58	-34	PG	64	-40
SD	LAWRENCE	SPEARFISH	97.00	45.67	363	-32	2	34	2	34	53	-32	-32	34	53	-32	-32	34	53	-32	-32	34	53	-32	-32	PG	58	-34	PG	64	-40
SD	HYDE	STEPHAN 1 ENE	103.87	44.50	1110	-28	3	34	1	34	53	-28	-28	34	53	-28	-28	34	53	-28	-28	34	53	-28	-28	PG	58	-28	PG	64	-40
SD	ROBERTS	SUMMIT 1 W	97.07	45.30	595	-33	3	32	3	32	51	-33	-33	32	51	-33	-33	32	51	-33	-33	32	51	-33	-33	PG	52	-34	PG	58	-40
SD	DEWEY	TIMBER LAKE	101.07	45.43	656	-32	3	34	2	34	53	-32	-32	34	53	-32	-32	34	53	-32	-32	34	53	-32	-32	PG	58	-34	PG	64	-40
SD	BONHOMME	TYNDALL	97.65	43.00	433	-29	3	35	2	35	54	-29	-29	35	54	-29	-29	35	54	-29	-29	35	54	-29	-29	PG	58	-34	PG	64	-40
SD	MEADE	UNIONCENTER	102.67	44.57	906	-31	3	35	1	35	54	-31	-31	35	54	-31	-31	35	54	-31	-31	35	54	-31	-31	PG	58	-34	PG	64	-40
SD	PERKINS	USTA 8 WNW	102.32	45.25	726	-34	4	36	2	36	55	-34	-34	36	55	-34	-34	36	55	-34	-34	36	55	-34	-34	PG	58	-34	PG	64	-40
SD	BUTTE	VALE	103.40	44.62	845	-32	3	34	1	34	53	-32	-32	34	53	-32	-32	34	53	-32	-32	34	53	-32	-32	PG	58	-34	PG	64	-40
SD	CLAY	VERMILION 2 SE	96.92	42.75	363	-30	3	35	2	35	54	-30	-30	35	54	-30	-30	35	54	-30	-30	35	54	-30	-30	PG	58	-34	PG	64	-40
SD	LYMAN	VIVIAN	100.30	43.93	583	-32	2	37	2	37	56	-32	-32	37	56	-32	-32	37	56	-32	-32	37	56	-32	-32	PG	58	-34	PG	64	-40
SD	CHARLES MIX	WAGNER	98.30	43.08	436	-29	3	37	2	37	56	-29	-29	37	56	-29	-29	37	56	-29	-29	37	56	-29	-29	PG	58	-34	PG	64	-40
SD	PENNINGTON	WASTA	102.43	44.07	708	-31	4	37	2	37	56	-31	-31	37	56	-31	-31	37	56	-31	-31	37	56	-31	-31	PG	58	-34	PG	64	-40
SD	ODDINGTON	WATERTOWN FAA AP	97.15	44.92	534	-33	2	33	2	33	52	-33	-33	33	52	-33	-33	33	52	-33	-33	33	52	-33	-33	PG	52	-34	PG	58	-40
SD	DAY	WAUBAY NATL WDLF REF	97.33	45.43	558	-33	3	33	2	33	52	-33	-33	33	52	-33	-33	33	52	-33	-33	33	52	-33	-33	PG	52	-34	PG	58	-40
SD	DAY	WEBSTER-WATER DEPT	97.53	45.33	564	-33	3	33	2	33	52	-33	-33	33	52	-33	-33	33	52	-33	-33	33	52	-33	-33	PG	52	-34	PG	58	-40
SD	JERALD	WESSINGTON SPRINGS	98.57	44.08	500	-29	3	35	2	35	54	-29	-29	35	54	-29	-29	35	54	-29	-29	35	54	-29	-29	PG	58	-34	PG	64	-40
SD	AURORA	WHITE LAKE	98.72	43.73	497	-31	3	36	2	36	55	-31	-31	36	55	-31	-31	36	55	-31	-31	36	55	-31	-31	PG	58	-34	PG	64	-40
SD	TRIPP	WINNER	99.87	43.38	601	-28	3	37	2	37	56	-28	-28	37	56	-28	-28	37	56	-28	-28	37	56	-28	-28	PG	58	-28	PG	64	-34
SD	YANKTON	YANKTON 2 E	97.35	42.88	360	-28	3	35	2	35	54	-28	-28	35	54	-28	-28	35	54	-28	-28	35	54	-28	-28	PG	58	-28	PG	64	-34
SD	BUTTE	ZEONA 10 SSW	103.00	45.07	833	-32	4	36	2	36	55	-32	-32	36	55	-32	-														

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY				BINDER GRADE							
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN		MAX		TEMPERATURES		MIN		MAX		TEMPERATURES		MIN		MAX			
						AVG	STD	AVG	STD	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT
TX JONES		ANSON	99.90	32.77	518	-12	5	39	2	39	61	-12	-12	39	64	43	64	-22	-22	43	64	43	64	-22	-22	43	64	43	64
TX ARCHER		ARCHER CITY	98.63	33.58	314	-14	4	39	2	39	60	-14	-14	39	64	40	62	-12	-12	40	62	40	62	-12	-12	40	62	40	62
TX KENEDY		ARMSTRONG	97.80	26.93	9	-4	4	38	1	38	60	-4	-4	38	64	40	65	-20	-20	40	65	40	65	-20	-20	40	65	40	65
TX STONEWALL		ASPERMONT 1 E	100.22	33.15	509	-14	3	40	2	40	61	-14	-14	40	64	42	63	-22	-22	42	63	42	63	-22	-22	42	63	42	63
TX HENDERSON		ATHENS 3 SSE	95.83	32.17	140	-10	6	38	2	38	60	-10	-10	38	64	40	58	-11	-11	40	58	40	58	-11	-11	40	58	40	58
TX ARANSAS		AUSTWELL WL REFUGE	96.80	28.27	6	-5	3	34	1	34	56	-5	-5	34	58	36	58	-17	-17	36	58	36	58	-17	-17	36	58	36	58
TX PECOS		BAKERSFIELD 2 NW	102.32	30.92	778	-11	3	38	1	38	60	-11	-11	38	64	40	62	-17	-17	40	62	40	62	-17	-17	40	62	40	62
TX RUNNELS		BALLINGER 5 WSW	100.05	31.73	500	-12	3	39	2	39	61	-12	-12	39	64	43	65	-18	-18	43	65	43	65	-18	-18	43	65	43	65
TX ELLIS		BARDWELL DAM	96.63	32.27	140	-11	4	37	2	37	59	-11	-11	37	58	37	59	-11	-11	37	59	37	59	-11	-11	37	59	37	59
TX MATAGORDA		BAY CITY WATERWORKS	95.98	28.98	15	-5	3	35	1	35	57	-5	-5	35	58	36	58	-12	-12	36	58	36	58	-12	-12	36	58	36	58
TX HARRIS		BAYTOWN	95.00	29.83	9	-6	3	35	1	35	57	-6	-6	35	58	36	58	-12	-12	36	58	36	58	-12	-12	36	58	36	58
TX JEFFERSON		BEAUMONT CITY	94.10	30.10	6	-4	4	36	1	36	58	-4	-4	36	60	38	60	-15	-15	38	60	38	60	-15	-15	38	60	38	60
TX JEFFERSON		BEAUMONT RESEARCH CTR	94.28	30.07	9	-7	3	36	1	36	58	-7	-7	36	60	38	60	-13	-13	38	60	38	60	-13	-13	38	60	38	60
TX BELL		BELTON DAM	97.48	31.10	201	-9	3	38	2	38	60	-9	-9	38	64	42	64	-15	-15	42	64	42	64	-15	-15	42	64	42	64
TX DUVAL		BENAVIDES 2	98.42	27.60	116	-5	3	38	1	38	60	-5	-5	38	64	40	62	-11	-11	40	62	40	62	-11	-11	40	62	40	62
TX TARRANT		BENBROOK DAM	97.45	32.65	241	-11	6	38	1	38	60	-11	-11	38	64	40	62	-23	-23	40	62	40	62	-23	-23	40	62	40	62
TX REAGAN		BIG LAKE 2	101.47	31.20	820	-12	2	37	1	37	59	-12	-12	37	60	39	61	-16	-16	39	61	39	61	-16	-16	39	61	39	61
TX HOWARD		BIG SPRING	101.45	32.25	762	-12	3	38	1	38	60	-12	-12	38	64	40	62	-18	-18	40	62	40	62	-18	-18	40	62	40	62
TX		BISHOP	97.80	27.58	21	-3	2	38	1	38	60	-3	-3	38	64	40	62	-7	-7	40	62	40	62	-7	-7	40	62	40	62
TX FANNIN		BONHAM	96.18	33.60	174	-13	4	38	2	38	59	-13	-13	38	64	42	63	-21	-21	42	63	42	63	-21	-21	42	63	42	63
TX BREWSTER		BOQUILLAS RANGER STN	102.97	29.18	573	-3	9	42	2	42	64	-3	-3	42	68	68	68	-21	-21	68	68	68	68	-21	-21	68	68	68	68
TX HUTCHINSON		BORGER	101.45	35.65	958	-18	3	37	2	37	58	-18	-18	37	58	41	62	-24	-24	41	62	41	62	-24	-24	41	62	41	62
TX KINNEY		BRACKETTVILLE	100.42	29.32	342	-7	3	38	1	38	60	-7	-7	38	64	40	62	-13	-13	40	62	40	62	-13	-13	40	62	40	62
TX MCCULLOCH		BRADY	99.33	31.12	525	-11	3	38	2	38	60	-11	-11	38	64	42	64	-17	-17	42	64	42	64	-17	-17	42	64	42	64
TX HARTLEY		BRAVO	103.00	35.65	1269	-20	2	36	2	36	57	-20	-20	36	57	35	57	-24	-24	35	57	35	57	-24	-24	35	57	35	57
TX		BRAZORIA	95.57	29.55	9	-5	3	35	1	35	57	-5	-5	35	59	37	59	-11	-11	37	59	37	59	-11	-11	37	59	37	59
TX STEPHENS		BRECKENRIDGE	98.93	32.75	360	-12	6	38	2	38	60	-12	-12	38	64	42	63	-24	-24	42	63	42	63	-24	-24	42	63	42	63
TX		BRIGHTON	97.30	27.65	3	-4	2	34	2	34	56	-4	-4	34	58	41	63	-8	-8	41	63	41	63	-8	-8	41	63	41	63
TX SABINE		BRONSON	94.02	31.35	98	-8	3	37	2	37	59	-8	-8	37	60	39	60	-21	-21	39	60	39	60	-21	-21	39	60	39	60
TX TERRY		BROWNFIELD 2	102.27	33.18	1006	-15	3	37	1	37	59	-15	-15	37	60	39	60	-7	-7	39	60	39	60	-7	-7	39	60	39	60
TX CAMERON		BROWNSVILLE WSO AP	97.43	25.90	6	-1	3	36	1	36	59	-1	-1	36	60	40	60	-17	-17	40	60	40	60	-17	-17	40	60	40	60
TX BURNET		BURNET	98.23	30.73	390	-9	4	38	2	38	60	-9	-9	38	64	42	64	-16	-16	42	64	42	64	-16	-16	42	64	42	64
TX REAL		CAMP WOOD	100.02	29.68	448	-10	3	37	2	37	59	-10	-10	37	60	41	63	-16	-16	41	63	41	63	-16	-16	41	63	41	63
TX HEMPHILL		CANADIAN 1 ENE	100.37	35.92	714	-18	4	38	2	38	59	-18	-18	38	64	42	63	-26	-26	42	63	42	63	-26	-26	42	63	42	63
TX PRESIDIO		CANDELARIA	104.68	30.15	878	-9	2	41	1	41	63	-9	-9	41	65	65	65	-13	-13	65	65	65	65	-13	-13	65	65	65	65
TX COOAL		CANYON DAM	98.20	29.87	305	-8	4	37	1	37	59	-8	-8	37	60	39	61	-16	-16	39	61	39	61	-16	-16	39	61	39	61
TX RANDALL		CANYON	101.93	34.98	1095	-18	3	36	2	36	57	-18	-18	36	58	40	61	-24	-24	40	61	40	61	-24	-24	40	61	40	61
TX DIMMIT		CARRIZO SPRINGS	99.88	28.53	195	-6	3	39	1	39	61	-6	-6	39	63	63	63	-12	-12	63	63	63	63	-12	-12	63	63	63	63
TX EDWARDS		CARTA VALLEY	100.67	29.80	564	-11	3	37	2	37	59	-11	-11	37	60	41	63	-17	-17	41	63	41	63	-17	-17	41	63	41	63
TX PANOLA		CARTHAGE	94.37	32.15	104	-9	3	37	2	37	59	-9	-9	37	60	41	63	-15	-15	41	63	41	63	-15	-15	41	63	41	63
TX DE DIMMIT		CATARINA	99.62	28.35	168	-6	3	40	1	40	62	-6	-6	40	64	42	64	-12	-12	42	64	42	64	-12	-12	42	64	42	64
TX SHELBY		CENTER	94.17	31.80	101	-9	3	37	2	37	59	-9	-9	37	60	41	63	-15	-15	41	63	41	63	-15	-15	41	63	41	63
TX LEON		CENTERVILLE	95.98	31.27	110	-10	3	38	2	38	60	-10	-10	38	64	42	64	-16	-16	42	64	42	64	-16	-16	42	64	42	64
TX NUECES		CHAPMAN RANCH	97.45	27.58	9	-4	3	35	1	35	57	-4	-4	35	58	37	59	-10	-10	37	59	37	59	-10	-10	37	59	37	59
TX ATASCOSA		CHARLOTTE 5 NNW	98.75	28.93	134	-7	3	38	1	38	60	-7	-7	38	64	40	62	-13	-13	40	62	40	62	-13	-13	40	62	40	62
TX CHILDRESS		CHILDRESS 3 W	100.25	34.43	601	-14	4	39	2	39	60	-14	-14	39	64	43	64	-22	-22	43	64	43	64	-22	-22	43			

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP			50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW	TEMP	HIGH	TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		BINDER GRADE	
									AVG	STD	MAX	AIR	MIN	PVT	MAX	AIR	MIN	PVT
TX BRAZOS	COLLEGE STATION 6 SW	96.42	30.53	76	-8	4	38	1	38	60	-8	-8	-8	-8	62	40	62	PG 64-16
TX BRAZOS	COLLEGE STATION FAA AP	96.35	30.58	95	-8	3	37	2	37	59	-8	-8	-8	-8	63	41	63	PG 64-16
TX MITCHELL	COLORADO CITY	100.87	32.38	628	-12	4	39	2	39	61	-12	-12	-12	-12	64	43	64	PG 70-22
TX COLORADO	COLUMBUS	96.53	29.72	61	-8	3	38	2	38	60	-8	-8	-8	-8	64	42	64	PG 64-16
TX MONTGOMERY	CONROE	96.48	30.33	73	-8	3	37	2	37	59	-8	-8	-8	-8	63	41	63	PG 64-16
TX HUDSPETH	CORNUDAS SERVICE STN	105.47	31.78	1366	-15	3	38	2	38	60	-15	-15	-15	-15	64	42	64	PG 64-22
TX NUECES	CORPUS CHRISTI	97.40	27.80	3	-2	2	33	1	33	55	-2	-2	-2	-2	57	35	57	PG 58-10
TX NUECES	CORPUS CHRISTI WSO AP	97.50	27.77	12	-4	3	36	1	36	58	-4	-4	-4	-4	60	38	60	PG 64-10
TX LA SALLE	COTULLA FAA AP	99.22	28.45	140	-5	4	39	1	39	61	-5	-5	-5	-5	63	41	63	PG 64-16
TX CRANE	CRANE	102.33	31.38	802	-12	3	38	1	38	60	-12	-12	-12	-12	62	40	62	PG 64-22
TX HOUSTON	CROCKETT	95.45	31.30	107	-9	3	37	2	37	59	-9	-9	-9	-9	63	41	63	PG 64-16
TX CROSBY	CROSBYTON	101.25	33.50	918	-16	3	37	2	37	58	-16	-16	-16	-16	62	41	62	PG 64-22
TX ZAVALA	CRYSTAL CITY	99.83	28.68	177	-6	2	38	1	38	60	-6	-6	-6	-6	62	40	62	PG 64-10
TX DE WITT	QUERO	97.32	29.08	55	-6	3	38	1	38	60	-6	-6	-6	-6	62	40	62	PG 64-16
TX MORRIS	DAINGERFIELD 9 S	94.72	32.92	92	-10	3	38	1	38	60	-10	-10	-10	-10	61	40	61	PG 64-16
TX DALLAM	DALHART FAA AP	102.55	36.02	1217	-21	4	36	2	36	57	-21	-21	-21	-21	61	40	61	PG 64-34
TX DALLAS	DALLAS FAA AP	96.85	32.85	134	-11	3	38	2	38	60	-11	-11	-11	-11	63	42	63	PG 64-22
TX WHARTON	DANEVANG 1 W	96.22	29.07	21	-6	3	36	1	36	58	-6	-6	-6	-6	60	38	60	PG 64-16
TX VAL VERDE	DEL RIO WSO AP	100.92	29.37	314	-6	2	38	1	38	60	-6	-6	-6	-6	62	40	62	PG 64-10
TX GRAYSON	DENISON DAM	96.57	33.82	186	-12	3	37	2	37	58	-12	-12	-12	-12	61	40	61	PG 64-10
TX DENON	DENTON 2 SE	97.10	33.20	192	-12	3	38	2	38	60	-12	-12	-12	-12	63	42	63	PG 64-22
TX CHEROKEE	DIALVILLE 2 W	95.27	31.87	189	-9	4	37	2	37	59	-9	-9	-9	-9	63	41	63	PG 64-22
TX DICKENS	DICKENS	100.83	33.62	787	-14	2	36	4	36	58	-14	-14	-14	-14	65	44	65	PG 70-22
TX FRIO	DILLEY	99.17	28.67	177	-6	3	39	1	39	61	-6	-6	-6	-6	63	41	63	PG 64-16
TX CASTRO	DIMMITT 2 N	102.32	34.58	1177	-18	2	36	2	36	57	-18	-18	-18	-18	61	40	61	PG 64-22
TX TERRELL	DRYDEN	102.12	30.05	671	-10	3	38	2	38	60	-10	-10	-10	-10	62	42	62	PG 64-16
TX ERAH	DUBLIN	98.33	32.10	458	-11	5	38	2	38	60	-11	-11	-11	-11	64	42	64	PG 64-22
TX MOORE	DUMAS	101.97	35.87	1116	-18	4	36	2	36	57	-18	-18	-18	-18	61	40	61	PG 64-28
TX MAVERICK	EAGLE PASS	100.48	28.70	247	-6	2	40	2	40	62	-6	-6	-6	-6	66	44	66	PG 70-10
TX EASTLAND	EASTLAND	98.85	32.40	445	-12	4	39	2	39	61	-12	-12	-12	-12	64	43	64	PG 70-22
TX CONCHO	EDEN 1	99.83	31.22	631	-12	3	39	2	39	61	-12	-12	-12	-12	65	43	65	PG 70-22
TX WHARTON	EL CAMPO	96.28	29.20	34	-6	3	37	1	37	59	-6	-6	-6	-6	61	39	61	PG 64-16
TX WICHITA	ELECTRA	98.92	34.03	372	-12	3	39	2	39	60	-12	-12	-12	-12	64	43	64	PG 70-22
TX BASTROP	ELGN	97.37	30.35	177	-9	3	38	1	38	60	-9	-9	-9	-9	62	40	62	PG 64-16
TX RAINS	EMORY	95.73	32.87	140	-11	4	37	2	37	59	-11	-11	-11	-11	61	41	61	PG 64-22
TX SAN WEBB	ENCINAL	99.37	28.03	171	-6	3	40	2	40	62	-6	-6	-6	-6	66	44	66	PG 70-16
TX FREESTONE	FAIRFIELD 4 E	96.10	31.73	134	-11	3	37	2	37	59	-11	-11	-11	-11	63	41	63	PG 64-22
TX STARR	FALCON DAM	99.13	26.55	98	-3	3	39	1	39	61	-3	-3	-3	-3	63	41	63	PG 64-10
TX BROOKS	FALFURRIAS	98.13	27.23	37	-4	3	39	1	39	61	-4	-4	-4	-4	63	41	63	PG 64-10
TX ELLIS	FERRIS	96.67	32.53	146	-11	3	38	2	38	60	-11	-11	-11	-11	62	42	62	PG 64-22
TX FAYETTE	FLATONIA	97.12	29.67	159	-7	3	38	2	38	60	-7	-7	-7	-7	64	42	64	PG 64-16
TX	FLINT	95.35	32.20	146	-9	4	37	2	37	59	-9	-9	-9	-9	63	41	63	PG 64-22
TX WILSON	FLORESVILLE	98.17	29.13	122	-8	4	38	2	38	60	-8	-8	-8	-8	64	42	64	PG 64-16
TX FLOYD	FLOYDADA	101.33	33.97	982	-16	5	37	2	37	58	-16	-16	-16	-16	62	41	62	PG 64-28
TX LIPSOMB	FOLLETT	100.13	36.43	848	-19	3	38	2	38	59	-19	-19	-19	-19	63	42	63	PG 64-28
TX HUDSPETH	FORTHANCOCK	105.85	31.28	1193	-13	2	39	2	39	61	-13	-13	-13	-13	65	43	65	PG 70-22
TX	FORT MCINTOSH	99.52	27.50	140	-5	3	40	1	40	62	-5	-5	-5	-5	64	42	64	PG 70-16
TX PECOS	FT STOCKTON	102.87	30.88	909	-12	3	38	2	38	60	-12	-12	-12	-12	64	42	64	PG 64-22
TX TARRANT	FORT WORTH INTL WSO AP	97.05	32.83	165	-11	2	38	2	38	60	-11	-11	-11	-11	63	42	63	PG 64-16
TX LA SALLE	FOWLERTON 2 NW	98.87	28.48	104	-6	3	40	2	40	62	-6	-6	-6	-6	66	44	66	PG 70-16
TX ROBERTSON	FRANKLIN	98.48	31.03	143	-9	3	38	2	38	60	-9	-9	-9	-9	64	42	64	PG 64-16
TX BRAZORIA	FREERPORT 2 NW	95.38	28.98	3	-4	3	34	2	34	56	-4	-4	-4	-4	60	38	60	PG 64-10
TX DUVAL	FEER	98.62	27.88	162	-4	4	38	1	38	60	-4	-4	-4	-4	62	40	62	PG 64-16

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		
						LOW TEMP		HIGH TEMP		TEMPERATURES		TEMPERATURES		TEMPERATURES		TEMPERATURES		PG	HT	LT
						AVG	STD	AVG	STD	MAX AIR	MIN AIR	MAX PVT	MIN PVT	MAX AIR	MIN AIR	MAX PVT	MIN PVT			
TX	PARMER	FRIONA	102.72	34.63	1229	-18	3	36	2	36	-18	-18	-18	40	61	-24	-24	PG	58	-22
TX	BORDEN	GAIL	101.45	32.77	772	-13	3	37	3	37	-13	-13	-13	43	64	-19	-19	PG	64	-16
TX	COOKE	GAINESVILLE	97.13	33.63	232	-13	3	38	2	38	-13	-13	-13	42	63	-19	-19	PG	64	-22
TX	GALVESTON	GALVESTON WSO CI	94.80	29.30	3	-3	3	32	1	32	-3	-3	-3	34	56	-9	-9	PG	58	-10
TX	GLASSCOCK	GARDEN CITY	101.48	31.87	805	-14	3	37	2	37	-14	-14	-14	41	63	-20	-20	PG	64	-22
TX	GATESVILLE	GATESVILLE	97.77	31.43	259	-11	4	38	2	38	-11	-11	-11	42	64	-19	-19	PG	64	-22
TX	UPSHUR	GILMER 2 W	94.98	32.73	119	-11	4	38	2	38	-11	-11	-11	42	63	-19	-19	PG	64	-22
TX	GREGG	GLADEWATER 3 WSW	94.97	32.52	92	-9	6	36	2	36	-9	-9	-9	40	62	-21	-21	PG	64	-22
TX	GOLIAD	GOLIAH	97.40	28.67	43	-6	3	38	2	38	-6	-6	-6	42	64	-12	-12	PG	64	-16
TX	GONZALES	GONZALES	97.45	29.50	95	-7	3	38	1	38	-7	-7	-7	40	62	-13	-13	PG	64	-16
TX	YOUNG	GRAHAM	98.58	33.10	320	-13	4	39	2	39	-13	-13	-13	43	64	-21	-21	PG	70	-22
TX	TARRANT	GRAPEVINE DAM	97.05	32.97	180	-12	3	38	2	38	-12	-12	-12	42	63	-18	-18	PG	64	-22
TX	HUNT	GREENVILLE 7 NW	96.22	33.20	186	-12	4	38	2	38	-12	-12	-12	42	63	-20	-20	PG	64	-22
TX	TRINITY	GROVETON	95.13	31.07	107	-9	4	37	2	37	-9	-9	-9	41	63	-17	-17	PG	64	-22
TX	HANSFORD	GRUVER	101.40	36.25	967	-21	3	38	2	38	-21	-21	-21	42	63	-27	-27	PG	64	-28
TX	KING	GUTHRIE	100.32	33.62	531	-14	3	39	2	39	-14	-14	-14	43	64	-20	-20	PG	70	-22
TX	LAVACA	HALLETTSVILLE 2 N	96.95	29.47	85	-7	3	38	2	38	-7	-7	-7	42	64	-13	-13	PG	64	-16
TX	HAMILTON	HAMILTON 1 NW	98.15	31.72	384	-12	3	38	2	38	-12	-12	-12	42	64	-18	-18	PG	64	-22
TX	HASKELL	HASKELL	99.73	33.17	491	-13	4	39	2	39	-13	-13	-13	43	64	-21	-21	PG	70	-22
TX	JIM HOGG	HEBBRONVILLE	98.68	27.32	180	-4	4	38	1	38	-4	-4	-4	40	62	-12	-12	PG	64	-16
TX	RUSK	HENDERSON	94.80	32.17	128	-10	3	36	2	36	-10	-10	-10	40	62	-16	-16	PG	64	-16
TX	CLAY	HENRIETTA	98.20	33.82	274	-13	4	40	2	40	-13	-13	-13	44	65	-21	-21	PG	70	-22
TX	DEAF SMITH	HEREFORD	102.40	34.82	1165	-18	4	36	2	36	-18	-18	-18	40	61	-26	-26	PG	64	-28
TX	HAMILTON	HOO	98.03	31.98	314	-12	4	39	2	39	-12	-12	-12	43	64	-20	-20	PG	70	-22
TX	MEDINA	HONDO	99.13	29.35	274	-7	4	39	2	39	-7	-7	-7	43	65	-15	-15	PG	70	-16
TX	HARRIS	HOUSTON WSCMO AP	95.35	29.97	30	-7	3	36	1	36	-7	-7	-7	38	60	-13	-13	PG	64	-16
TX	HARRIS	HOUSTON WB CITY	95.37	29.77	49	-4	3	36	1	36	-4	-4	-4	38	60	-10	-10	PG	64	-10
TX	HARRIS	HOUSTON FAA AP	95.28	29.65	15	-5	3	36	1	36	-5	-5	-5	38	60	-11	-11	PG	64	-16
TX	WALKER	HUNTSVILLE	95.55	30.72	150	-8	3	37	2	37	-8	-8	-8	41	63	-14	-14	PG	64	-16
TX	JACK	JACKSBORO	98.15	33.23	336	-13	3	39	2	39	-13	-13	-13	43	64	-19	-19	PG	70	-22
TX	CHEROKEE	JACKSONVILLE	95.27	31.97	174	-9	3	37	2	37	-9	-9	-9	41	63	-15	-15	PG	64	-16
TX	JASPER	JASPER	100.57	30.93	88	-9	3	36	2	36	-9	-9	-9	40	62	-15	-15	PG	64	-16
TX	KENT	JAYTON	100.07	33.25	613	-14	3	39	2	39	-14	-14	-14	43	64	-20	-20	PG	70	-22
TX	LEON	JEWETT	96.15	31.35	156	-8	6	38	2	38	-8	-8	-8	42	64	-20	-20	PG	64	-22
TX	BLANCO	JOHNSON CITY	98.42	30.28	369	-10	3	37	1	37	-10	-10	-10	39	61	-16	-16	PG	64	-16
TX	KIMBLE	JUNCTION	99.78	30.48	528	-12	4	38	2	38	-12	-12	-12	42	64	-20	-20	PG	64	-22
TX		JUNCTION FAA AP	99.77	30.50	522	-12	4	38	2	38	-12	-12	-12	42	64	-20	-20	PG	64	-22
TX	KAUFMAN	KAUFMAN 3 SE	96.27	32.55	128	-11	3	38	2	38	-11	-11	-11	42	63	-17	-17	PG	64	-22
TX	KARNES	KENEDY	97.85	28.82	85	-6	4	38	2	38	-6	-6	-6	42	64	-14	-14	PG	64	-16
TX	BELL	KILLEEN	97.70	31.12	244	-9	2	38	2	38	-9	-9	-9	42	64	-13	-13	PG	64	-16
TX	KLEBERG	KINGSVILLE	97.88	27.55	21	-4	5	37	2	37	-4	-4	-4	41	63	-14	-14	PG	64	-16
TX	NEWTON	KIRBYVILLE 5 ESE	93.82	30.62	55	-8	3	36	2	36	-8	-8	-8	40	62	-14	-14	PG	64	-16
TX	KNOX	KNOX CITY	96.82	33.42	457	-13	4	40	1	40	-13	-13	-13	42	63	-21	-21	PG	64	-22
TX	FAYETTE	LA GRANGE	99.87	29.92	110	-8	3	38	1	38	-8	-8	-8	40	62	-14	-14	PG	64	-16
TX	ZAVALA	LA PRYOR	99.83	28.95	229	-6	3	39	1	39	-6	-6	-6	41	63	-12	-12	PG	64	-16
TX	BAYLOR	LAKE KEMP	99.15	33.75	357	-14	3	39	3	39	-14	-14	-14	45	66	-20	-20	PG	70	-22
TX	VAL VERDE	LANGTRY	101.57	29.80	394	-8	2	39	2	39	-8	-8	-8	43	65	-12	-12	PG	64	-10
TX	WEBB	LAREDO WB AP	99.47	27.53	152	-3	3	39	1	39	-3	-3	-3	41	63	-9	-9	PG	64	-10
TX	WEBB	LAREDO 2	99.50	27.57	131	-5	3	39	1	39	-5	-5	-5	41	63	-11	-11	PG	64	-16
TX	COLLIN	LAVON DAM	96.48	33.03	156	-11	3	37	2	37	-11	-11	-11	39	61	-17	-17	PG	64	-22
TX	LEE	LEXINGTON	97.02	30.42	143	-9	3	37	1	37	-9	-9	-9	39	61	-15	-15	PG	64	-16
TX	LIBERTY	LIBERTY	94.80	30.05	12	-6	3	37	1	37	-6	-6	-6	39	61	-12	-12	PG	64	-16
TX	SMITH	LINDALE 5 SE	95.37	32.45	168	-10	4	37	2	37	-10	-10	-10	41	62	-18	-18	PG	64	-22

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY				BINDER GRADE							
						LOW	TEMP	HIGH	STD	TEMPERATURES				BINDER GRADE				TEMPERATURES											
										AVG	STD	AVG	STD	MAX	AIR	MIN	PVT	PG	HT	LT	MAX		AIR	MIN	PVT	PG	HT	LT	
TX	LIPSCOMB	LIPSCOMB	100.27	36.23	747	-22	3	38	2	38	59	-22	-22	38	58	-16	PG	64	-22	42	63	-28	-28	PG	64	-28	PG	64	-28
TX	LAMB	LITTLEFIELD 2 NW	102.35	33.93	1071	-16	3	36	2	36	57	-16	-16	36	57	-9	PG	64	-10	40	61	-22	-22	PG	64	-22	PG	64	-22
TX	POLK	LIVINGSTON 2 NNE	94.93	30.73	55	-9	3	37	2	37	59	-9	-9	37	59	-9	PG	64	-10	41	63	-15	-15	PG	64	-16	PG	64	-16
TX	HOUSTON	LOVELADY	95.45	31.13	92	-9	3	37	2	37	59	-9	-9	37	59	-9	PG	64	-10	41	63	-15	-15	PG	64	-16	PG	64	-16
TX	TRAVIS	MANSHIELD DAM	97.92	30.40	168	-7	3	39	1	39	61	-7	-7	39	61	-7	PG	64	-10	41	63	-13	-13	PG	64	-16	PG	64	-16
TX	BREWSTER	MARATHON	103.23	30.22	1248	-13	4	36	2	36	58	-13	-13	36	58	-13	PG	64	-16	40	62	-21	-21	PG	64	-22	PG	64	-22
TX	PRESIDIO	MARFA 2	104.02	30.30	1437	-14	3	36	2	36	58	-14	-14	36	58	-14	PG	64	-16	40	62	-20	-20	PG	64	-22	PG	64	-22
TX	MASON	MASON	99.23	30.75	436	-11	2	37	2	37	59	-11	-11	37	59	-11	PG	64	-16	41	63	-15	-15	PG	64	-22	PG	64	-22
TX	MOTLEY	MATADOR	100.83	34.02	698	-14	3	38	2	38	59	-14	-14	38	59	-14	PG	64	-16	42	63	-20	-20	PG	64	-22	PG	64	-22
TX	MATAGORDA	MATAGORDA 2	95.97	28.70	3	-5	3	34	1	34	56	-5	-5	34	56	-5	PG	58	-10	36	58	-11	-11	PG	64	-16	PG	64	-16
TX	JIM WELLS	MATHIS 4 SSW	97.87	28.03	43	-4	3	37	1	37	59	-4	-4	37	59	-4	PG	64	-10	39	61	-10	-10	PG	64	-10	PG	64	-10
TX	JACKSON	MAURBRO	96.47	28.92	9	-6	3	36	2	36	58	-6	-6	36	58	-6	PG	64	-10	40	62	-12	-12	PG	64	-16	PG	64	-16
TX	HIDALGO	MC ALLEN	98.22	26.20	37	-2	3	37	1	37	59	-2	-2	37	59	-2	PG	64	-10	40	62	-8	-8	PG	64	-10	PG	64	-10
TX	HIDALGO	MC ALLEN FAA AP	98.23	26.18	30	-2	3	38	1	38	60	-2	-2	38	60	-2	PG	64	-10	43	65	-18	-18	PG	70	-22	PG	64	-10
TX	UPTON	MCCAMEY	102.20	31.13	747	-12	3	39	2	39	61	-12	-12	39	61	-12	PG	64	-16	40	62	-9	-9	PG	64	-10	PG	64	-10
TX	HIDALGO	MCCOOK	98.38	26.48	67	-3	3	38	1	38	60	-3	-3	38	60	-3	PG	64	-16	43	65	-15	-15	PG	64	-16	PG	64	-16
TX	BANDERA	MEDINA	99.25	29.80	497	-11	2	37	2	37	59	-11	-11	37	59	-11	PG	64	-16	42	64	-16	-16	PG	64	-16	PG	64	-16
TX	MCLENNAN	MCGREGOR	97.42	31.43	220	-10	3	38	2	38	60	-10	-10	38	60	-10	PG	64	-22	41	62	-23	-23	PG	64	-28	PG	64	-28
TX	GRAY	MCLEAN	100.60	35.23	872	-17	3	37	2	37	58	-17	-17	37	58	-17	PG	64	-16	42	64	-19	-19	PG	64	-22	PG	64	-22
TX	MEWARD	MEWARD	99.78	30.92	595	-13	3	38	2	38	60	-13	-13	38	60	-13	PG	64	-16	41	62	-16	-16	PG	64	-16	PG	64	-16
TX	HIDALGO	MERCEDDES 6 SSE	97.80	26.07	24	-2	2	37	1	37	59	-2	-2	37	59	-2	PG	64	-10	39	61	-6	-6	PG	64	-10	PG	64	-10
TX	IRION	MERTON	100.82	31.27	680	-11	4	38	1	38	60	-11	-11	38	60	-11	PG	64	-16	40	62	-19	-19	PG	64	-22	PG	64	-22
TX	ROBERTS	MEXIA	96.48	31.68	165	-9	4	38	2	38	60	-9	-9	38	60	-9	PG	64	-10	42	64	-17	-17	PG	64	-22	PG	64	-22
TX	MIDLAND	MIDLAND 4 ENE	100.63	35.70	842	-18	3	38	2	38	59	-18	-18	38	59	-18	PG	64	-22	42	63	-24	-24	PG	64	-28	PG	64	-28
TX	MIDLAND	MIDLAND 4 ENE	102.18	31.95	872	-13	4	38	1	38	60	-13	-13	38	60	-13	PG	64	-16	40	62	-21	-21	PG	64	-22	PG	64	-22
TX	WOOD	MINEOLA 8 ENE	102.02	32.02	836	-12	5	38	1	38	60	-12	-12	38	60	-12	PG	64	-16	40	62	-22	-22	PG	64	-22	PG	64	-22
TX	HIDALGO	MISSION 4 W	95.37	32.72	119	-12	2	37	2	37	59	-12	-12	37	59	-12	PG	64	-16	41	62	-16	-16	PG	64	-16	PG	64	-16
TX	WARD	MONAHANS	98.40	26.22	40	-2	3	38	1	38	60	-2	-2	38	60	-2	PG	64	-10	40	62	-8	-8	PG	64	-10	PG	70	-22
TX	MONTAGUE	MONTAGUE	102.88	31.58	811	-12	4	39	2	39	61	-12	-12	39	61	-12	PG	64	-16	43	65	-20	-20	PG	70	-22	PG	70	-22
TX	COCHRAN	MORTON 1 WNW	97.75	33.67	329	-13	4	38	2	38	59	-13	-13	38	59	-13	PG	64	-16	42	63	-21	-21	PG	64	-22	PG	64	-22
TX	JEFF DAVIS	MOUNT LOCKE	102.78	33.73	1147	-17	3	36	1	36	58	-17	-17	36	58	-17	PG	58	-22	38	59	-23	-23	PG	64	-28	PG	64	-28
TX	FRANKLIN	MOUNT VERNON	104.00	30.67	2071	-14	3	32	2	32	54	-14	-14	32	54	-14	PG	58	-16	36	58	-20	-20	PG	58	-22	PG	64	-22
TX	KNOX	MUNDAY	95.23	33.18	146	-12	3	37	1	37	59	-12	-12	37	59	-12	PG	64	-16	39	60	-18	-18	PG	64	-22	PG	64	-22
TX	MEDINA	NATALIA	99.63	33.45	445	-13	4	40	2	40	61	-13	-13	40	61	-13	PG	64	-16	44	65	-21	-21	PG	70	-22	PG	70	-22
TX	WHARTON	NEW GULF	98.85	29.20	217	-7	3	39	2	39	61	-7	-7	39	61	-7	PG	64	-10	43	65	-13	-13	PG	70	-22	PG	70	-22
TX	GONZALES	NIXON	95.90	29.27	21	-7	3	36	1	36	58	-7	-7	36	58	-7	PG	64	-10	38	60	-13	-13	PG	70	-22	PG	70	-22
TX	YOUNG	OLNEY	97.77	29.27	119	-7	3	38	2	38	60	-7	-7	38	60	-7	PG	64	-16	43	64	-19	-19	PG	70	-22	PG	70	-22
TX	LAMB	OLTON	98.77	33.37	366	-13	3	39	2	39	60	-13	-13	39	60	-13	PG	64	-16	43	64	-20	-20	PG	70	-22	PG	70	-22
TX	ORANGE	ORANGE 4 NW	102.13	34.18	1101	-16	5	36	2	36	57	-16	-16	36	57	-16	PG	58	-10	40	61	-26	-26	PG	64	-28	PG	64	-28
TX	COTLE	PADUCAH	93.78	30.12	6	-4	6	35	1	35	57	-4	-4	35	57	-4	PG	58	-10	37	59	-16	-16	PG	64	-16	PG	64	-16
TX	CONCHO	PAINT ROCK	100.30	34.02	580	-14	3	39	2	39	60	-14	-14	39	60	-14	PG	64	-16	43	64	-20	-20	PG	70	-22	PG	70	-22
TX	MATAGORDA	PALACIOS FAA AP	99.92	31.50	497	-13	3	39	1	39	61	-13	-13	39	61	-13	PG	64	-16	41	63	-19	-19	PG	64	-22	PG	64	-22
TX	ANDERSON	PALESTINE 2 NE	96.25	28.72	3	-5	3	34	1	34	56	-5	-5	34	56	-5	PG	58	-10	36	58	-11	-11	PG	64	-16	PG	64	-16
TX	GRAY	PAMPA	95.60	31.78	143	-10	4	37	2	37	59	-10	-10	37	59	-10	PG	64	-10	41	63	-18	-18	PG	64	-22	PG	64	-22
TX	GRAY	PAMPA 2	100.97	35.53	985	-18	4	36	2	36	57	-18	-18	36	57	-18	PG	58	-22	40	61	-26	-26	PG	64	-28	PG	64	-28
TX	VAL VERDE	PANDALE 2 NE	101.55	30.20	500	-8	4	38	2	38	60	-8	-8	38	60	-8	PG	64	-10	42	64	-16	-16	PG	64	-22	PG	64	-22
TX	CARSON	PANHANDLE	101.38	35.35	1049	-19	3	37	2	37	58	-19	-19	37	58	-19	PG	64	-22	41	62	-25	-25	PG	64	-28	PG	64	-28
TX	BREWSTER	PANTHER JUNCTION	103.22																										

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE	
						LOW	TEMP	HIGH	STD	MAX AIR	TEMP	MIN	PVT	MAX AIR	TEMP	MIN	PVT	PG	HT
						AVG	STD	AVG	STD	MAX PVT	MIN	AVG	STD	MAX PVT	MIN	AVG	STD	PG	HT
TX	BOWIE	TEXARKANA	94.08	33.42	119	-10	4	37	1	37	59	-10	-10	37	60	-18	-18	PG	64-22
TX	FORT BEND	THOMPSONS 3WSW	95.63	29.48	21	-6	3	36	1	36	58	-6	-6	38	60	-12	-12	PG	64-16
TX	THROCKMORTON	THROCKMORTON 2W	99.20	33.18	427	-13	4	39	2	39	60	-13	-13	43	64	-21	-21	PG	70-22
TX	MC MULLEN	TILDEN	98.53	28.42	107	-7	3	39	2	39	61	-7	-7	43	65	-13	-13	PG	70-16
TX	TYLER	TOWN BLUFF DAM	94.18	30.80	64	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64-16
TX	KNOX	TRUSCOTT 5 W	99.92	33.75	494	-15	3	39	2	39	60	-15	-15	43	64	-21	-21	PG	70-22
TX	SWISHER	TULIA	101.77	34.53	1061	-17	3	36	1	36	57	-17	-17	38	59	-23	-23	PG	64-28
TX	HALL	TURKEY 2 WSW	100.93	34.38	729	-15	2	39	2	39	60	-15	-15	43	64	-19	-19	PG	70-22
TX	SMITH	TYLER 5 NE	95.27	32.40	150	-12	3	37	2	37	59	-12	-12	41	63	-18	-18	PG	64-22
TX	UVALDE	UVALDE	99.77	29.22	278	-7	4	39	2	39	61	-7	-7	43	65	-15	-15	PG	70-16
TX		UVALDE	99.80	29.23	284	-6	2	39	1	39	61	-6	-6	41	63	-10	-10	PG	64-10
TX	CULBERSON	VAN HORN	104.78	31.07	1208	-12	4	38	2	38	60	-12	-12	42	64	-20	-20	PG	64-22
TX	OLDHAM	VEGA	102.42	35.25	1223	-19	3	36	2	36	57	-19	-19	40	61	-25	-25	PG	64-28
TX	WILBARGER	VERNON 4 S	99.30	34.08	366	-13	4	40	2	40	61	-13	-13	44	65	-21	-21	PG	70-22
TX	VICTORIA	VICTORIA WSO AP	96.92	28.85	30	-6	3	36	1	36	58	-6	-6	38	60	-12	-12	PG	64-16
TX	MCLENNAN	WACO DAM	97.22	31.60	152	-11	3	37	2	37	59	-11	-11	41	63	-17	-17	PG	64-22
TX	MCLENNAN	WACO WSO AP	97.22	31.62	152	-9	4	38	1	38	60	-9	-9	40	62	-17	-17	PG	64-22
TX	TYLER	WARREN	94.42	30.62	37	-8	3	36	1	36	58	-8	-8	38	60	-14	-14	PG	64-16
TX	WASHINGTON	WASHINGTON STATE PARK	96.15	30.33	67	-7	3	37	2	37	59	-7	-7	41	63	-13	-13	PG	64-16
TX	TOM GREEN	WATER VALLEY	100.72	31.67	647	-13	3	37	1	37	59	-13	-13	39	61	-19	-19	PG	64-22
TX	ELLIS	WAXAHACHIE	96.85	32.42	192	-11	4	38	2	38	60	-11	-11	42	63	-19	-19	PG	64-22
TX	PARKER	WEATHERFORD	97.82	32.77	326	-12	4	39	2	39	61	-12	-12	43	64	-20	-20	PG	70-22
TX	COLLINGSWORTH	WELLINGTON	100.22	34.83	622	-15	3	38	2	38	59	-15	-15	42	63	-21	-21	PG	64-22
TX	HIDALGO	WESLACO 2 E	97.97	26.15	24	-2	3	37	1	37	59	-2	-2	39	61	-8	-8	PG	64-10
TX	BOSQUE	WHITNEY DAM	97.37	31.85	174	-11	3	38	2	38	60	-11	-11	42	64	-17	-17	PG	64-22
TX	WICHITA	WICHITA FALLS WSO AP	98.48	33.97	302	-13	4	39	2	39	60	-13	-13	43	64	-21	-21	PG	70-22
TX	VAN ZANDT	WILLS POINT	96.02	32.70	159	-11	3	39	2	39	61	-11	-11	43	64	-17	-17	PG	70-22
TX	RUNNELS	WINTERS 1 NNE	99.95	31.97	567	-13	3	38	2	38	60	-13	-13	42	64	-19	-19	PG	64-22
TX	YOKUM	YOKUM	97.13	29.28	101	-7	3	38	2	38	60	-7	-7	42	64	-13	-13	PG	64-16
TX	ZAPATA	ZAPATA	99.30	26.88	98	-3	4	39	2	39	61	-3	-3	43	65	-11	-11	PG	70-16
WA	GRAYS HARBOR	ABERDEEN	123.82	46.97	3	-7	3	26	2	26	45	-7	-7	30	48	-13	-13	PG	52-16
WA	SKAGIT	ABERDEEN 20 NNE	123.70	47.27	134	-9	4	28	2	28	46	-9	-9	32	50	-17	-17	PG	52-22
WA	ASOTIN	ANACORTES	122.62	48.52	9	-8	4	26	2	26	44	-8	-8	30	48	-16	-16	PG	52-16
WA	KLICKITAT	ANATONE	117.13	46.13	1089	-24	6	31	3	31	50	-24	-24	37	55	-36	-36	PG	58-40
WA	KING	APPLETON	121.27	45.82	714	-19	6	32	2	32	51	-19	-19	36	54	-31	-31	PG	58-34
WA	WHATCOM	BARING	121.48	47.77	235	-12	3	29	2	29	47	-12	-12	33	51	-18	-18	PG	52-22
WA	WHATCOM	BELLINGHAM 2 N	122.48	48.78	43	-13	3	28	2	28	46	-13	-13	32	50	-19	-19	PG	52-22
WA	KLICKITAT	BELLINGHAM FAA AP	122.53	48.80	46	-12	3	26	2	26	44	-12	-12	30	48	-18	-18	PG	52-22
WA	WHATCOM	BICKLETON	120.30	46.00	915	-18	4	32	2	32	51	-18	-18	36	54	-26	-26	PG	58-28
WA	WHATCOM	BLAINE	122.75	49.00	18	-12	3	26	2	26	44	-12	-12	30	48	-18	-18	PG	52-22
WA	PEND OREILLE	BOUNDARY DAM	117.35	48.98	549	-23	5	33	2	33	51	-23	-23	37	54	-33	-33	PG	58-34
WA	KITSAP	BREMERTON	122.68	47.57	34	-7	3	29	2	29	47	-7	-7	33	51	-13	-13	PG	52-16
WA	PIERCE	BUCKLEY 1 NE	122.00	47.17	210	-11	4	29	3	29	47	-11	-11	35	53	-19	-19	PG	58-22
WA	YAKIMA	BUMPING LAKE	121.30	46.87	1049	-25	7	30	2	30	48	-25	-25	34	52	-39	-39	PG	58-40
WA	KING	CEDAR LAKE	121.73	47.42	476	-12	4	28	2	28	46	-12	-12	32	50	-20	-20	PG	52-22
WA	LEWIS	CENTRALIA	122.95	46.72	58	-11	4	31	2	31	49	-11	-11	35	53	-19	-19	PG	58-22
WA	CHELAN	CHELAN	120.03	47.83	342	-15	7	34	2	34	52	-15	-15	38	56	-29	-29	PG	58-34
WA	OKANOGAN	CHESAW 4 NNW	119.07	49.00	1208	-28	6	29	2	29	47	-28	-28	33	51	-40	-40	PG	52-40
WA	STEVENS	CHEWELAH	117.72	48.28	509	-27	6	35	2	35	53	-27	-27	39	57	-39	-39	PG	58-40
WA	DOUGLAS	CHIEF JOSEPH DAM	119.65	48.00	250	-20	4	36	2	36	54	-20	-20	40	58	-28	-28	PG	58-28
WA	CLALLAM	CLALLAM BAY 1 NNE	124.25	48.27	9	-7	3	21	2	21	39	-7	-7	25	43	-13	-13	PG	46-16
WA	WHATCOM	CLEARBROOK	122.33	48.97	18	-12	4	29	2	29	47	-12	-12	33	51	-20	-20	PG	52-22
WA	KITTITAS	CLE ELM	120.95	47.18	589	-23	6	33	2	33	51	-23	-23	37	55	-35	-35	PG	58-40

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used for Asphalt Binder Grade Selection

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ST	COUNTY_ID	STATION	LONG	LAT	ELEV	AIR TEMP				50% RELIABILITY				98% RELIABILITY				BINDER GRADE		
						LOW TEMP		HIGH TEMP		TEMPERATURES		MIN		TEMPERATURES		MIN		PG	HT	LT
						AVG	STD	AVG	STD	MAX	AIR	MAX	PVT	MAX	AIR	MAX	PVT			
WA PACIFIC		LONG BEACH EXP STN	124.03	46.37	9	-9	4	23	2	23	42	-9	-9	27	46	-17	-17	PG	46	-22
WA COWLITZ		LONGVIEW	122.92	46.15	3	-10	4	31	2	31	50	-10	-10	35	53	-18	-18	PG	58	-22
WA OKANOGAN		MAZAMA	120.45	48.62	662	-28	7	34	2	34	52	-28	-28	38	55	-42	-42	PG	58	-46
WA PIERCE		MC MILLIN RESERVOIR	122.27	47.13	177	-12	4	29	2	29	47	-12	-12	33	51	-20	-20	PG	52	-22
WA BENTON		MC NARY DAM	119.30	45.95	110	-14	6	37	2	37	55	-14	-14	41	59	-26	-26	PG	64	-28
WA PEND OREILLE		METALINE FALLS	117.37	48.87	644	-23	6	33	3	33	51	-23	-23	39	56	-35	-35	PG	58	-40
WA OKANOGAN		METHOW 2 S	120.02	48.10	357	-23	4	37	2	37	55	-23	-23	41	58	-31	-31	PG	64	-34
WA SNOHOMISH		MONROE	121.98	47.85	37	-11	4	29	2	29	47	-11	-11	33	51	-19	-19	PG	52	-22
WA GRANT		MOSES LAKE 3 E	119.20	47.12	369	-21	6	35	2	35	53	-21	-21	39	57	-33	-33	PG	58	-34
WA KLUCKITAT		MOUNT ADAMS R S	121.53	46.00	598	-20	6	33	2	33	52	-20	-20	37	55	-32	-32	PG	58	-34
WA SPOKANE		MOUNT SPOKANE SUMMIT	117.12	47.92	1796	-24	6	24	2	24	42	-24	-24	28	46	-36	-36	PG	52	-40
WA SKAGIT		MOUNT VERNON 3 WNW	122.38	48.43	3	-11	4	27	2	27	45	-11	-11	31	49	-19	-19	PG	52	-22
WA YAKIMA		MOXEE CITY 10 E	120.17	46.52	473	-19	5	34	2	34	52	-19	-19	38	56	-29	-29	PG	58	-34
WA KING		MUD MOUNTAIN DAM	121.93	47.15	400	-11	4	28	2	28	46	-11	-11	32	50	-19	-19	PG	52	-22
WA OKANOGAN		NESPELEM 2 S	118.98	48.13	576	-23	6	36	2	36	54	-23	-23	40	58	-35	-35	PG	58	-40
WA WHATCOM		NEWHALEM	121.25	48.68	162	-11	4	31	2	31	49	-11	-11	35	53	-19	-19	PG	58	-22
WA PEND OREILLE		NEWPORT	117.05	48.18	653	-27	6	34	2	34	52	-27	-27	38	56	-39	-39	PG	58	-40
WA STEVENS		NORTH-PORT	117.78	48.92	403	-22	5	37	2	37	54	-22	-22	41	58	-32	-32	PG	64	-34
WA GRAYS HARBOR		OAKVILLE	123.23	46.83	24	-12	4	30	2	30	48	-12	-12	34	52	-20	-20	PG	58	-22
WA LINCOLN		OEKSSA	118.68	47.33	470	-22	6	36	2	36	54	-22	-22	40	58	-34	-34	PG	58	-34
WA THURSTON		OLYMPIA WSO AP	122.90	46.97	58	-13	4	30	2	30	48	-13	-13	34	52	-21	-21	PG	58	-22
WA OKANOGAN		OMAK 2 NW	119.53	48.43	375	-22	5	35	2	35	53	-22	-22	39	56	-32	-32	PG	58	-34
WA ADAMS		OTHELLO 6 ESE	119.05	46.80	363	-19	6	36	2	36	54	-19	-19	40	58	-31	-31	PG	58	-34
WA LEWIS		PACKWOOD	121.67	46.62	323	-13	6	32	2	32	50	-13	-13	36	54	-25	-25	PG	58	-28
WA KING		PALMER 3 ESE	121.85	47.30	281	-10	4	29	2	29	47	-10	-10	33	51	-18	-18	PG	52	-22
WA CHELAN		PLAIN	120.65	47.78	592	-23	6	33	2	33	51	-23	-23	37	55	-35	-35	PG	58	-40
WA GRAYS HARBOR		POINT GRENVILLE	124.28	47.30	30	-6	3	19	2	19	38	-6	-6	23	42	-12	-12	PG	46	-16
WA GARFIELD		POWERPOY	117.62	46.47	552	-20	6	36	2	36	54	-20	-20	40	58	-32	-32	PG	64	-34
WA CLALLAM		PORT ANGELES	123.40	48.12	12	-8	3	24	2	24	42	-8	-8	28	46	-14	-14	PG	52	-16
WA JEFFERSON		PORT TOWNSEND	122.75	48.12	30	-7	3	26	2	26	44	-7	-7	40	48	-13	-13	PG	52	-16
WA GRANT		PRIEST RAPIDS DAM	119.90	46.65	140	-16	4	38	2	38	56	-16	-16	42	60	-24	-24	PG	64	-28
WA BENTON		PROSSER 4 NE	119.75	46.25	274	-17	6	36	2	36	54	-17	-17	40	58	-29	-29	PG	64	-34
WA WHITMAN		PULLMAN 2 NW	117.20	46.77	778	-22	6	33	2	33	51	-22	-22	37	55	-34	-34	PG	58	-34
WA PIERCE		PUYALLUP 2 W EXP STN	122.33	47.20	15	-12	4	30	2	30	48	-12	-12	34	52	-20	-20	PG	58	-22
WA JEFFERSON		QUILCENE 2 SW	122.92	47.82	37	-11	3	31	2	31	49	-11	-11	35	53	-17	-17	PG	58	-22
WA CLALLAM		QUILLAYUTE WSCMO AP	124.55	47.95	55	-9	3	26	2	26	44	-9	-9	30	48	-15	-15	PG	52	-16
WA GRAYS HARBOR		QUINALT R S	123.85	47.47	67	-6	3	29	2	29	47	-6	-6	30	48	-15	-15	PG	52	-16
WA GRANT		QUINCY 1 S	119.85	47.22	387	-21	6	36	2	36	54	-21	-21	33	51	-12	-12	PG	52	-16
WA PIERCE		RAINIER CARBON R ENT	121.92	47.00	531	-7	5	26	3	26	45	-7	-7	32	50	-17	-17	PG	58	-34
WA PIERCE		RAINIER LONGMIRE	121.82	46.75	842	-15	4	30	2	30	48	-15	-15	34	52	-23	-23	PG	58	-28
WA PIERCE		RAINIER PARADISE R S	121.73	46.78	1656	-19	5	23	2	23	42	-19	-19	27	46	-29	-29	PG	46	-34
WA FERRY		REPUBLIC	118.73	48.65	796	-27	6	33	2	33	51	-27	-27	37	54	-39	-39	PG	58	-40
WA BENTON		RICHLAND	119.27	46.32	113	-17	6	37	2	37	55	-17	-17	41	59	-29	-29	PG	64	-34
WA YAKIMA		RIMROCK TIETON DAM	121.13	46.65	833	-21	5	32	3	32	50	-21	-21	38	56	-31	-31	PG	58	-34
WA WHITMAN		ROSALIA	117.37	47.23	732	-22	7	33	2	33	51	-22	-22	37	55	-36	-36	PG	58	-40
WA WHATCOM		ROSS DAM	121.05	48.73	378	-14	4	31	2	31	49	-14	-14	35	53	-22	-22	PG	58	-22
WA WHITMAN		ST JOHN	117.58	47.10	595	-22	6	34	2	34	52	-22	-22	38	56	-34	-34	PG	58	-34
WA CLALLAM		SAPPHO 8 E	124.12	48.07	232	-8	4	29	3	29	47	-8	-8	35	53	-16	-16	PG	58	-16
WA KLUCKITAT		SATUS PASS 2 SSW	120.65	45.95	796	-20	6	32	2	32	51	-20	-20	36	54	-32	-32	PG	58	-34
WA KING		SEATTLE JACKSON PARK	122.33	47.73	113	-11	4	29	2	29	47	-11	-11	33	51	-19	-19	PG	52	-22
WA KING		SEATTLE TAC WSCMO AP	122.30	47.45	137	-8	5	28	2	28	46	-8	-8	32	50	-18	-18	PG	52	-22
WA KING		SEATTLE U OF WA	122.28	47.65	30	-7	3	29	3	29	47	-7	-7	35	53	-13	-13	PG	58	-16
WA KING		SEATTLE WSO CI	122.33	47.60	3	-6	4	28	2	28	46	-6	-6	32	50	-14	-14	PG	52	-16

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used for Asphalt Binder Grade Selection

ST	COUNTY_ID	STATION	LONG			LAT			ELEV			AIR TEMP				50% RELIABILITY				BINDER GRADE				98% RELIABILITY				BINDER GRADE					
			MAX	AIR	PVT	MIN	AIR	MIN	PVT	MAX	AIR	PVT	MIN	AIR	MIN	PVT	PG	HT	LT	PG	HT	LT	MAX	AIR	PVT	MIN	AIR	MIN	PVT	PG	HT	LT	
WA	SKAGIT	SEDROWOOLLEY	122.23	48.50	18	-11	4	27	2	27	45	-11	-11	-11	PG	46	-16	PG	46	-16	PG	46	-16	31	49	-19	-19	PG	52	-22	PG	52	-22
WA	CLALLAM	SEQUIM	123.10	48.08	55	-9	4	27	2	27	45	-9	-9	-9	PG	46	-10	PG	46	-10	PG	46	-10	31	49	-17	-17	PG	52	-22	PG	52	-22
WA	MASON	SHELTON	123.10	47.20	6	-10	4	30	2	30	48	-10	-10	-10	PG	52	-10	PG	52	-10	PG	52	-10	34	52	-18	-18	PG	58	-22	PG	58	-22
WA	WHATCOM	SKAGIT POWER PLANT	121.25	48.68	162	-11	5	32	3	32	50	-11	-11	-11	PG	52	-16	PG	52	-16	PG	52	-16	38	55	-21	-21	PG	58	-22	PG	58	-22
WA	SKAMANIA	SKAMANIA FISH HATCHERY	122.22	45.63	134	-11	3	32	2	32	51	-11	-11	-11	PG	52	-16	PG	52	-16	PG	52	-16	36	55	-17	-17	PG	58	-22	PG	58	-22
WA	GRANT	SMYRNA	119.67	46.83	171	-19	6	38	3	38	56	-19	-19	-19	PG	58	-22	PG	58	-22	PG	58	-22	44	62	-31	-31	PG	64	-34	PG	64	-34
WA	KING	SNOQUALMIE FALLS	121.85	47.55	134	-11	4	29	2	29	47	-11	-11	-11	PG	52	-16	PG	52	-16	PG	52	-16	33	51	-19	-19	PG	52	-22	PG	52	-22
WA	KING	SNOQUALMIE PASS	121.42	47.42	921	-18	6	27	3	27	45	-18	-18	-18	PG	46	-22	PG	46	-22	PG	46	-22	33	51	-30	-30	PG	52	-34	PG	52	-34
WA	SPOKANE	SPOKANE	117.42	47.67	573	-19	6	36	2	36	54	-19	-19	-19	PG	58	-22	PG	58	-22	PG	58	-22	40	58	-31	-31	PG	58	-34	PG	58	-34
WA	SPOKANE	SPOKANE WSO AP	117.53	47.63	720	-21	6	34	2	34	52	-21	-21	-21	PG	52	-22	PG	52	-22	PG	52	-22	38	56	-33	-33	PG	58	-34	PG	58	-34
WA	LINCOLN	SPRAGUE	117.98	47.30	601	-22	6	35	3	35	53	-22	-22	-22	PG	58	-22	PG	58	-22	PG	58	-22	41	59	-34	-34	PG	64	-34	PG	64	-34
WA	KITTITAS	STAMPEDE PASS WSCMO AP	121.33	47.28	1208	-18	4	25	2	25	43	-18	-18	-18	PG	46	-22	PG	46	-22	PG	46	-22	29	47	-26	-26	PG	52	-28	PG	52	-28
WA	SNOHOMISH	STARTUP 1 E	121.72	47.87	52	-11	4	30	2	30	48	-11	-11	-11	PG	52	-16	PG	52	-16	PG	52	-16	34	52	-19	-19	PG	52	-22	PG	52	-22
WA	CHOMISH	STEHEKIN 4 NW	120.72	48.35	387	-17	5	33	2	33	51	-17	-17	-17	PG	52	-22	PG	52	-22	PG	52	-22	37	55	-27	-27	PG	58	-28	PG	58	-28
WA	KING	STEVENS PASS	121.08	47.73	1241	-20	5	24	3	24	42	-20	-20	-20	PG	46	-22	PG	46	-22	PG	46	-22	30	48	-30	-30	PG	52	-34	PG	52	-34
WA	KING	SUNNYSIDE	120.00	46.32	229	-17	5	37	2	37	55	-17	-17	-17	PG	58	-22	PG	58	-22	PG	58	-22	41	59	-27	-27	PG	64	-28	PG	64	-28
WA	YAKIMA	TACOMA CITY HALL	122.43	47.25	82	-8	3	28	3	28	46	-8	-8	-8	PG	52	-10	PG	52	-10	PG	52	-10	34	52	-14	-14	PG	58	-16	PG	58	-16
WA	PIERCE	TATOOSH ISLAND WB	124.73	48.38	30	-3	3	18	1	18	36	-3	-3	-3	PG	<40	-10	PG	<40	-10	PG	<40	-10	20	38	-9	-9	PG	<40	-10	PG	<40	-10
WA	CLALLAM	TIETON INTAKE	121.00	46.67	695	-19	6	33	2	33	51	-19	-19	-19	PG	52	-22	PG	52	-22	PG	52	-22	37	55	-31	-31	PG	58	-34	PG	58	-34
WA	YAKIMA	UPPER BAKER DAM	121.68	48.65	210	-13	4	29	2	29	47	-13	-13	-13	PG	52	-16	PG	52	-16	PG	52	-16	33	51	-21	-21	PG	52	-22	PG	52	-22
WA	WHATCOM	WALLA WALLA 3 W	118.40	46.05	244	-18	7	37	2	37	55	-18	-18	-18	PG	58	-22	PG	58	-22	PG	58	-22	41	59	-32	-32	PG	64	-34	PG	64	-34
WA	WALLA WALLA	WALLA WALLA FAA AP	118.28	46.10	357	-17	6	37	2	37	55	-17	-17	-17	PG	58	-22	PG	58	-22	PG	58	-22	41	59	-29	-29	PG	64	-34	PG	64	-34
WA	WALLA WALLA	WALLA WALLA WSO CI	118.33	46.03	290	-16	6	36	2	36	54	-16	-16	-16	PG	58	-16	PG	58	-16	PG	58	-16	40	58	-28	-28	PG	64	-28	PG	64	-28
WA	YAKIMA	WAPATO	120.42	46.43	256	-18	6	36	2	36	54	-18	-18	-18	PG	58	-22	PG	58	-22	PG	58	-22	40	58	-30	-30	PG	64	-34	PG	64	-34
WA	DOUGLAS	WATERVILLE	120.07	47.65	799	-22	5	33	2	33	51	-22	-22	-22	PG	52	-22	PG	52	-22	PG	52	-22	37	55	-32	-32	PG	58	-34	PG	58	-34
WA	STEVENS	WELLPIT	118.00	47.90	760	-21	6	34	3	34	52	-21	-21	-21	PG	58	-22	PG	58	-22	PG	58	-22	40	58	-33	-33	PG	58	-34	PG	58	-34
WA	CHELAN	WENATCHEE	120.32	47.42	195	-17	5	36	2	36	54	-17	-17	-17	PG	58	-22	PG	58	-22	PG	58	-22	40	58	-27	-27	PG	58	-28	PG	58	-28
WA	CHELAN	WENATCHEE FAA AP	120.20	47.40	375	-18	5	36	2	36	54	-18	-18	-18	PG	58	-22	PG	58	-22	PG	58	-22	40	58	-28	-28	PG	58	-28	PG	58	-28
WA	YAKIMA	WHITE SWAN R S	120.72	46.38	296	-19	6	35	2	35	53	-19	-19	-19	PG	58	-22	PG	58	-22	PG	58	-22	39	57	-31	-31	PG	58	-34	PG	58	-34
WA	WALLA WALLA	WHITMAN MISSION	118.45	46.05	192	-19	7	37	2	37	55	-19	-19	-19	PG	58	-22	PG	58	-22	PG	58	-22	41	59	-33	-33	PG	64	-34	PG	64	-34
WA	LINCOLN	WILBUR	118.67	47.75	680	-23	6	34	2	34	52	-23	-23	-23	PG	52	-28	PG	52	-28	PG	52	-28	38	56	-35	-35	PG	58	-40	PG	58	-40
WA	PACIFIC	WILLAPA HARBOR	123.75	46.68	3	-8	3	27	3	27	46	-8	-8	-8	PG	46	-10	PG	46	-10	PG	46	-10	33	51	-14	-14	PG	52	-16	PG	52	-16
WA	GRANT	WILSON CREEK	119.12	47.42	390	-23	6	37	3	37	55	-23	-23	-23	PG	58	-28	PG	58	-28	PG	58	-28	43	61	-35	-35	PG	64	-40	PG	64	-40
WA	GRANT	WIND RIVER	121.93	45.80	351	-14	6	33	2	33	52	-14	-14	-14	PG	52	-16	PG	52	-16	PG	52	-16	37	55	-26	-26	PG	58	-28	PG	58	-28
WA	YAKIMA	YAKIMA WSO AP	120.53	46.57	323	-20	6	36	2	36	54	-20	-20	-20	PG	58	-22	PG	58	-22	PG	58	-22	40	58	-32	-32	PG	64	-34	PG	64	-34

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PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT
						AVG	STD	HIGH	TEMP	STD	AVG	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT		
AB	3020040	ACME CDA EFF	113.42	51.50	905	-37	4	29	2			29	46	-37	-37	33	49	PG	52
AB	3040049	ADEN	111.32	49.05	1036	-32	5	31	3			31	49	-32	-32	36	54	PG	58
AB	3020120	AUX	113.17	52.38	788	-43	7	30	4			30	46	-43	-43	38	54	PG	58
AB	3010160	ALLIANCE	111.78	52.43	716	-38	6	29	2			29	45	-38	-38	33	49	PG	52
AB	3040223	ALTAWAN	110.02	49.23	945	-38	5	33	3			33	50	-38	-38	39	56	PG	58
AB	3050240	ANTHRACITE	115.50	51.20	1387	-36	5	28	2			28	45	-36	-36	32	49	PG	52
AB	3060320	ATHABASCA	113.28	54.72	518	-44	6	29	2			29	44	-44	-44	32	48	PG	52
AB	3060321	ATHABASCA 2	113.53	54.82	626	-44	4	27	2			27	43	-44	-44	31	47	PG	52
AB	3060352	ATHABASCA LANDING	113.28	54.72	503	-44	4	27	2			27	43	-44	-44	32	47	PG	52
AB	3030537	BASSANO DAM	112.47	50.78	800	-35	5	32	2			32	49	-35	-35	36	52	PG	58
AB	3030538	BASSANO GEM	112.20	50.90	751	-39	5	31	2			31	48	-39	-39	35	52	PG	58
AB	3050600	BEAVER MINES	114.17	49.47	1286	-37	4	28	2			28	46	-37	-37	31	49	PG	52
AB	3070560	BEAVERLODGE CDA	119.40	55.20	745	-39	5	27	2			27	42	-39	-39	31	46	PG	46
AB	3070640	BERWYN	117.75	56.15	655	-41	4	28	2			28	43	-41	-41	32	47	PG	52
AB	3050660	BIGHORN DAM	116.33	52.32	1341	-36	6	26	3			26	43	-36	-36	32	47	PG	52
AB	3020760	BOWDEN	114.02	51.98	915	-38	3	28	2			28	45	-38	-38	31	48	PG	52
AB	3010830	BRIGHTVIEW	113.72	52.98	815	-37	5	27	1			27	43	-37	-37	30	46	PG	46
AB	3030856	BROOKS AHRC	111.85	50.55	758	-38	5	32	2			32	49	-38	-38	36	53	PG	58
AB	3010890	BROWNFIELD	111.47	52.33	747	-39	5	29	2			29	45	-39	-39	32	49	PG	52
AB	3070960	BUFFALO HEAD PRAIRIE	116.27	58.05	335	-44	4	27	2			27	41	-44	-44	31	45	PG	46
AB	3031000	CALDWELL	113.63	49.17	1286	-34	4	29	2			29	47	-34	-34	32	50	PG	52
AB	3031090	CALGARY GLENMORE DAM	114.10	51.02	1067	-35	3	28	2			28	45	-35	-35	31	48	PG	52
AB	3011120	CALMAR	113.85	53.28	720	-40	5	28	2			28	44	-40	-40	31	47	PG	52
AB	3041200	CAMPBIE	114.68	54.13	671	-44	5	27	2			27	43	-44	-44	31	46	PG	52
AB	3011240	CAMROSE	112.83	53.02	731	-40	4	28	2			28	44	-40	-40	31	47	PG	52
AB	3031400	CARWAY	113.37	49.00	1359	-34	4	29	2			29	47	-34	-34	33	50	PG	52
AB	3031658	CLARESHOLM WATERWORKS	113.72	50.02	1018	-37	4	30	2			30	47	-37	-37	34	51	PG	52
AB	307JF5R	CLEARDALE	119.48	56.32	643	-44	4	26	2			26	41	-44	-44	30	44	PG	46
AB	3081680	COLD LAKE A	110.28	54.42	541	-40	5	28	2			28	44	-40	-40	31	47	PG	52
AB	3051720	COLEMAN	114.58	49.63	1341	-36	3	28	2			28	46	-36	-36	31	49	PG	52
AB	3011880	CORONATION A	111.45	52.07	791	-37	4	29	2			29	46	-37	-37	32	49	PG	52
AB	3031920	COWLEY A	114.08	49.63	1182	-35	5	30	2			30	47	-35	-35	34	51	PG	52
AB	3021940	CRAIGMYLE	112.28	51.77	846	-37	7	30	2			30	47	-37	-37	33	50	PG	52
AB	3072145	DUNVEGAN	118.58	55.93	398	-45	5	29	3			29	44	-45	-45	34	49	PG	52
AB	3022159	ECKVILLE SOUTH	114.38	52.28	960	-38	4	27	2			27	44	-38	-38	31	47	PG	52
AB	3012195	EDMONTON	113.50	53.55	658	-41	4	28	2			28	44	-41	-41	32	48	PG	52
AB	3012208	EDMONTON MUNICIPAL A	113.52	53.57	668	-35	5	28	2			28	44	-35	-35	32	48	PG	52
AB	3012210	EDMONTON NAMAO A	113.47	53.67	688	-35	4	27	2			27	43	-35	-35	30	46	PG	52
AB	301222F	EDMONTON STONY PLAIN	114.10	53.53	766	-34	4	26	1			26	42	-34	-34	29	45	PG	46
AB	3062240	EDSON	116.42	53.58	923	-40	4	28	2			28	44	-40	-40	31	47	PG	52
AB	3062244	EDSON A	116.47	53.58	921	-40	5	27	2			27	43	-40	-40	30	46	PG	46
AB	3012280	ELK POINT	111.07	53.88	605	-43	5	28	2			28	44	-43	-43	33	48	PG	52
AB	3012295	ELLERSLIE	113.55	53.42	694	-39	3	27	2			27	43	-39	-39	30	46	PG	46

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY									
						TEMPERATURES					TEMPERATURES					TEMPERATURES					TEMPERATURES				
						AVG	STD	HIGH	TEMP	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT
AB	3072320	ELMWORTH	119.67	55.07	747	-45	6	28	2	28	43	28	43	-45	-45	PG	46	-46	32	47	-49	-49	PG	52	-52
AB	3062360	EMBARRAS A	111.38	58.20	236	-46	3	28	2	28	42	28	42	-46	-46	PG	46	-46	31	45	-49	-49	PG	46	-52
AB	3062440	ENTRANCE	117.68	53.38	991	-40	6	28	3	28	44	28	44	-40	-40	PG	46	-40	33	49	-45	-45	PG	52	-46
AB	3072475	EUREKA RIVER	118.73	56.48	664	-45	3	26	2	26	41	26	41	-45	-45	PG	46	-46	31	45	-50	-50	PG	46	-52
AB	3072520	FAIRVIEW	118.38	56.07	670	-38	4	26	2	26	41	26	41	-38	-38	PG	46	-40	30	45	-42	-42	PG	46	-46
AB	3072600	FALHER	117.20	55.73	582	-44	4	26	2	26	41	26	41	-44	-44	PG	46	-46	29	44	-47	-47	PG	46	-52
AB	3012652	FORESTBURG PLANT SITE	112.13	52.47	663	-38	6	29	2	29	45	29	45	-38	-38	PG	46	-40	32	48	-41	-41	PG	52	-46
AB	306KFE3	FORT ASSINIBOINE	114.92	54.37	671	-42	4	27	2	27	43	27	43	-42	-42	PG	46	-46	30	46	-45	-45	PG	46	-46
AB	3072657	FORT CHIPEWYAN	111.15	58.72	219	-44	4	25	5	25	39	25	39	-44	-44	PG	46	-46	35	48	-54	-54	PG	52	-46
AB	3072658	FORT CHIPEWYAN A	111.12	58.77	232	-45	3	27	2	27	41	27	41	-45	-45	PG	46	-46	31	45	-49	-49	PG	46	-52
AB	3062693	FORT MCMURRAY A	111.22	56.65	369	-42	3	28	2	28	43	28	43	-42	-42	PG	46	-46	31	46	-45	-45	PG	46	-46
AB	3012710	FORT SASKATCHEWAN	113.18	53.72	620	-39	5	28	2	28	44	28	44	-39	-39	PG	46	-40	32	45	-51	-51	PG	46	-52
AB	3072720	FORT VERMILION CDA	116.03	58.38	279	-47	5	28	2	28	42	28	42	-47	-47	PG	52	-40	34	50	-40	-40	PG	52	-40
AB	3032800	GLEICHEN	113.05	50.88	905	-36	5	30	2	30	47	30	47	-36	-36	PG	46	-46	36	50	-53	-53	PG	52	-46
AB	3072920	GRANDE PRAIRIE A	118.88	55.18	666	-42	4	27	2	27	42	27	42	-42	-42	PG	46	-46	30	46	-45	-45	PG	46	-46
AB	3062965	GROUARD	116.15	55.58	579	-44	6	27	4	27	42	27	42	-44	-44	PG	46	-46	36	50	-53	-53	PG	52	-46
AB	3012998	HALKIRK	112.17	52.28	823	-37	5	29	2	29	45	29	45	-37	-37	PG	46	-40	33	49	-41	-41	PG	52	-46
AB	3023000	HANNA	111.85	51.58	823	-36	5	30	3	30	47	30	47	-36	-36	PG	52	-40	36	52	-42	-42	PG	58	-46
AB	3023055	HARMATTAN	114.38	51.75	1067	-41	4	27	2	27	44	27	44	-41	-41	PG	46	-46	31	47	-45	-45	PG	52	-46
AB	3063130	HELDAR	115.00	54.02	701	-42	5	29	2	29	45	29	45	-42	-42	PG	46	-46	33	48	-46	-46	PG	52	-46
AB	3063160	HIGH PRAIRIE	116.52	55.43	594	-43	5	27	2	27	42	27	42	-43	-43	PG	46	-46	32	47	-48	-48	PG	52	-46
AB	3033240	HIGH RIVER	114.17	50.48	1219	-37	5	29	2	29	46	29	46	-37	-37	PG	52	-40	33	50	-41	-41	PG	52	-46
AB	3023280	HILLSDOWN	113.52	52.17	896	-39	4	27	2	27	44	27	44	-39	-39	PG	46	-40	30	47	-42	-42	PG	52	-46
AB	3013360	HUGHENDEN	110.97	52.52	694	-41	5	30	2	30	46	30	46	-41	-41	PG	52	-46	34	51	-45	-45	PG	52	-46
AB	3083480	IRON RIVER	111.00	54.42	549	-43	4	28	2	28	44	28	44	-43	-43	PG	46	-46	31	47	-46	-46	PG	52	-52
AB	3053600	KANANASKIS	115.03	51.03	1391	-36	5	27	2	27	44	27	44	-36	-36	PG	46	-40	31	47	-40	-40	PG	52	-40
AB	3073640	KEG RIVER	117.87	57.78	427	-44	6	27	2	27	41	27	41	-44	-44	PG	46	-46	31	45	-48	-48	PG	46	-52
AB	3013645	KINSELLA RANCH	111.52	53.00	705	-38	4	28	2	28	44	28	44	-38	-38	PG	46	-40	32	48	-42	-42	PG	52	-46
AB	3023720	LACOMBE CDA	113.75	52.47	847	-40	5	28	2	28	44	28	44	-40	-40	PG	46	-40	32	48	-44	-44	PG	52	-46
AB	3053760	LAKE LOUISE	116.22	51.43	1524	-43	4	27	2	27	44	27	44	-43	-43	PG	46	-46	30	47	-46	-46	PG	52	-52
AB	3033880	LETHBRIDGE A	112.80	49.63	929	-35	4	31	2	31	48	31	48	-35	-35	PG	52	-40	34	51	-38	-38	PG	52	-40
AB	3033890	LETHBRIDGE CDA	112.78	49.70	899	-36	4	31	2	31	48	31	48	-36	-36	PG	52	-40	34	51	-39	-39	PG	52	-40
AB	3054080	LUNDBRECK	114.13	49.92	1194	-38	4	28	3	28	45	28	45	-38	-38	PG	46	-40	33	50	-43	-43	PG	52	-46
AB	3044200	MANYBERRIES CDA	110.47	49.12	934	-35	4	33	2	33	50	33	50	-35	-35	PG	52	-40	37	54	-39	-39	PG	58	-40
AB	3064400	MEANOOK	113.35	54.62	684	-36	4	27	2	27	43	27	43	-36	-36	PG	46	-40	30	46	-39	-39	PG	46	-40
AB	3044534	MILK RIVER	111.53	49.17	975	-33	4	32	2	32	50	32	50	-33	-33	PG	52	-34	35	52	-36	-36	PG	58	-40
AB	3014760	NACO	110.80	51.72	731	-38	7	31	2	31	48	31	48	-38	-38	PG	52	-40	35	51	-42	-42	PG	52	-46
AB	3014800	NEWBROOK	112.95	54.32	671	-42	3	27	2	27	43	27	43	-42	-42	PG	46	-46	30	46	-45	-45	PG	46	-46
AB	3054840	NORDEGG	116.08	52.47	1402	-39	6	26	2	26	43	26	43	-39	-39	PG	46	-40	30	46	-43	-43	PG	46	-46
AB	3074902	NOTIKWIN EAST	117.57	57.02	465	-45	3	26	3	26	41	26	41	-45	-45	PG	46	-46	32	46	-51	-51	PG	52	-52
AB	3024920	OLDS	114.10	51.78	1040	-36	4	27	2	27	44	27	44	-36	-36	PG	46	-40	31	48	-40	-40	PG	52	-46
AB	3075040	PEACE RIVER A	117.43	56.23	571	-42	4	27	2	27	42	27	42	-42	-42	PG	46	-46	32	46	-47	-47	PG	52	-52
AB	3075047	PEACE RIVER CROSSING	117.25	56.25	373	-46	6	30	3	30	45	30	45	-46	-46	PG	46	-46	37	51	-53	-53	PG	52	-52

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY					
						TEMPERATURES			GRADE			TEMPERATURES			GRADE		
						AVG	STD	HIGH	TEMP	MAX AIR	MIN PVT	MIN AIR	MAX AIR	MIN PVT	MIN AIR	MAX AIR	MIN PVT
						AVG	STD	AVG	STD	MAX AIR	MIN PVT	MIN AIR	MAX AIR	MIN PVT	MIN AIR	MAX AIR	MIN PVT
AB	3065080	PEAVINE	114.92	54.07	695	-38	4	27	3	27	43	-38	34	49	-45	34	49
AB	3055120	PEKSKO	114.42	50.37	1439	-39	4	27	2	27	44	-39	31	48	-43	31	48
AB	3025170	PERBECK	113.08	51.97	869	-37	6	30	2	30	47	-37	34	50	-41	34	50
AB	3035201	PINCHER CREEK	113.95	49.50	1155	-35	4	29	2	29	47	-35	32	50	-38	32	50
AB	3035220	PINCHER CREEK TOWN	113.97	49.52	1145	-34	5	29	2	29	47	-34	33	51	-38	33	51
AB	3025222	PINE LAKE	113.50	52.17	945	-39	4	28	2	28	45	-39	31	47	-42	31	47
AB	3025240	POLLOCKVILLE	111.60	51.08	747	-38	5	32	3	32	49	-38	38	54	-44	38	54
AB	3035340	QUEENSTOWN	112.98	50.60	945	-33	4	30	2	30	47	-33	33	50	-36	33	50
AB	3015345	RADWAY	112.90	54.08	632	-43	6	29	2	29	45	-43	32	48	-46	32	48
AB	3015400	RANFURLY	111.65	53.45	686	-41	5	29	2	29	45	-41	33	49	-45	33	49
AB	3035420	RAYMOND	112.70	49.45	957	-34	5	31	2	31	48	-34	35	52	-38	35	52
AB	3025480	RED DEER A	113.90	52.18	905	-38	4	28	2	28	45	-38	31	48	-41	31	48
AB	3065505	ROBB RS	116.97	53.23	1130	-38	5	27	2	27	43	-38	30	46	-41	30	46
AB	3015520	ROCKY MOUNTAIN HOUSE	114.92	52.38	1015	-37	3	27	1	27	44	-37	30	46	-40	30	46
AB	3075600	RYCROFT	118.78	55.75	610	-44	4	27	2	27	42	-44	31	46	-48	31	46
AB	3065885	SHINING BANK	115.97	53.85	829	-41	6	26	2	26	42	-41	29	45	-44	29	45
AB	3025920	SIBBALD	110.25	51.47	716	-39	5	31	2	31	48	-39	34	51	-42	34	51
AB	3015960	SION	114.12	53.88	701	-39	6	28	3	28	44	-39	34	49	-45	34	49
AB	3066000	SLAVE LAKE	114.77	55.28	585	-41	5	26	2	26	41	-41	30	46	-46	30	46
AB	3066001	SLAVE LAKE A	114.78	55.30	581	-38	4	26	2	26	41	-38	30	45	-42	30	45
AB	3026080	SPRINGDALE	114.30	52.80	914	-43	6	27	2	27	43	-43	30	46	-46	30	46
AB	3015672	ST LINA	111.45	54.30	632	-42	4	27	2	27	43	-42	30	46	-45	30	46
AB	3016120	STETLER	112.70	52.30	823	-36	5	28	3	28	45	-36	33	49	-41	33	49
AB	3036200	STRATHMORE	113.42	51.05	963	-35	5	29	2	29	46	-35	32	49	-38	32	49
AB	3036208	STRATHMORE EAST	113.22	51.10	930	-35	4	30	2	30	47	-35	34	51	-39	34	51
AB	3036240	SUFFIELD A	111.18	50.27	770	-36	4	32	2	32	49	-36	35	52	-39	35	52
AB	3036360	TABER	112.12	49.78	808	-33	6	31	2	31	48	-33	35	52	-37	35	52
AB	3016440	THORSBY	114.05	53.22	744	-39	4	28	2	28	44	-39	32	48	-43	32	48
AB	3026480	THREE HILLS	113.30	51.65	841	-41	4	30	2	30	47	-41	33	50	-44	33	50
AB	3026530	TROCHUEQUITY	113.20	51.78	854	-35	3	30	2	30	47	-35	33	50	-38	33	50
AB	3016590	TULLIBY LAKE	110.13	53.67	575	-41	4	29	2	29	45	-41	32	48	-44	32	48
AB	3036640	TURNER VALLEY	114.35	50.72	1237	-38	4	26	2	26	43	-38	29	46	-41	29	46
AB	3036652	UNIVERSITY OF CALGARY	114.13	51.08	1112	-34	4	28	2	28	45	-34	31	48	-37	31	48
AB	3016760	VEGREVILLE	112.05	53.48	635	-14	7	29	2	29	45	-14	32	48	-17	32	48
AB	3016761	VEGREVILLE CDA	112.03	53.48	636	-42	5	28	2	28	44	-42	31	47	-45	31	47
AB	3016790	VERMILION	110.83	53.37	618	-43	5	29	3	29	45	-43	34	50	-48	34	50
AB	3016800	VERMILION A	110.83	53.35	619	-42	4	28	2	28	44	-42	31	47	-45	31	47
AB	3016840	VIKING	111.78	53.10	691	-41	5	29	3	29	45	-41	36	51	-48	36	51
AB	3076905	WABASCA	113.83	56.03	524	-41	6	28	3	28	43	-41	34	48	-47	34	48
AB	3066920	WAGNER	114.98	55.35	584	-40	3	25	2	25	40	-40	28	43	-43	28	43
AB	3076940	WANHAM CDA EPF	118.40	55.73	607	-40	5	27	2	27	42	-40	31	46	-44	31	46
AB	3016954	WARWICK	111.98	53.65	610	-42	5	28	2	28	44	-42	31	47	-45	31	47
AB	3016960	WASTINA HEMARUKA	111.12	51.70	792	-40	5	30	2	30	47	-40	34	50	-44	34	50

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE					
						TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			GRADE					
						AVG	STD	HIGH	TEMP	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT
AB	3017280	WEASKIWIN	113.33	52.97	756	-38	4	28	2	28	44	-38	-38	PG	46	-40	31	47	-41	-41	PG	52	-46
AB	3047365	WHISKEY GAP	112.95	49.02	1311	-34	3	29	2	29	47	-34	-34	PG	52	-34	33	50	-38	-38	PG	52	-40
AB	3067370	WHITECOURT	115.67	54.13	741	-41	4	27	2	27	43	-41	-41	PG	46	-46	31	47	-45	-45	PG	52	-46
BC	1165791	100 MILE HOUSE	121.30	51.65	1059	-37	5	29	2	29	46	-37	-37	PG	46	-40	33	50	-41	-41	PG	52	-46
BC	1100030	ABBOTSFORD A	122.37	49.03	54	-13	4	28	3	28	46	-13	-13	PG	46	-16	33	51	-18	-18	PG	52	-22
BC	1150060	ABERFELDIE	115.37	49.50	805	-27	5	32	2	32	49	-27	-27	PG	52	-28	36	53	-31	-31	PG	58	-34
BC	1030180	ALBERNI BEAVER CREEK	124.93	49.37	91	-12	4	33	3	33	50	-12	-12	PG	52	-16	38	55	-17	-17	PG	58	-22
BC	1030210	ALBERNI LUPSI CUPSI	124.82	49.25	9	-11	4	30	2	30	48	-11	-11	PG	52	-16	35	52	-16	-16	PG	58	-22
BC	1030230	ALBERNI ROBERTSON CREEK	124.98	49.33	75	-13	4	32	3	32	49	-13	-13	PG	52	-16	37	55	-18	-18	PG	58	-22
BC	1100240	ALDERGROVE	122.48	49.12	76	-12	4	28	3	28	46	-12	-12	PG	46	-16	34	51	-18	-18	PG	52	-22
BC	1020270	ALERT BAY	126.93	50.58	63	-7	3	21	1	21	38	-7	-7	PG	<46	-10	24	41	-10	-10	PG	46	-10
BC	1080289	ALEXIS CREEK TAUTRI CRK	123.18	52.55	1219	-42	7	26	2	26	42	-42	-42	PG	46	-46	31	47	-47	-47	PG	52	-52
BC	1090300	ALEZIA LAKE	122.07	54.12	625	-41	5	28	2	28	44	-41	-41	PG	46	-46	32	48	-45	-45	PG	52	-46
BC	1040390	ALTA LAKE	122.95	50.15	667	-21	4	29	5	29	46	-21	-21	PG	52	-22	38	55	-30	-30	PG	58	-34
BC	1030425	AMPHITRITE POINT	125.53	48.92	11	-5	3	20	2	20	38	-5	-5	PG	<46	-10	23	41	-8	-8	PG	46	-10
BC	1060446	ANYOX	129.80	55.45	113	-18	4	26	3	26	41	-18	-18	PG	46	-22	31	46	-23	-23	PG	52	-28
BC	1160450	ARMSTRONG	119.18	50.43	369	-28	7	33	2	33	50	-28	-28	PG	52	-28	37	53	-32	-32	PG	58	-34
BC	1160540	ASHCROFT M	121.33	50.72	488	-28	6	33	2	33	50	-28	-28	PG	52	-28	37	54	-32	-32	PG	58	-34
BC	1200560	ATLIN	133.70	59.57	674	-38	6	23	2	23	37	-38	-38	PG	<46	-40	27	41	-42	-42	PG	46	-46
BC	1070573	BABINE LAKE PINKUT CREEK	125.47	54.45	713	-32	6	26	2	26	42	-32	-32	PG	46	-34	31	46	-37	-37	PG	52	-40
BC	1180585	BALDONNEL	120.68	56.23	686	-39	4	27	2	27	42	-39	-39	PG	46	-40	31	46	-43	-43	PG	46	-46
BC	1160670	BARRIERE	120.12	51.18	415	-31	6	34	2	34	51	-31	-31	PG	52	-34	38	54	-35	-35	PG	58	-40
BC	1180750	BEATON RIVER A	121.38	57.38	840	-41	4	25	2	25	39	-41	-41	PG	<46	-46	28	42	-44	-44	PG	46	-46
BC	1060840	BELLA COOLA	126.68	52.37	18	-17	4	28	3	28	44	-17	-17	PG	46	-22	33	49	-22	-22	PG	52	-22
BC	1060842	BELLA COOLA BC HYDRO	126.82	52.37	14	-16	4	26	2	26	43	-16	-16	PG	46	-16	31	47	-21	-21	PG	52	-22
BC	1080870	BIG CREEK	123.03	51.72	1128	-36	5	28	3	28	45	-36	-36	PG	46	-40	33	50	-41	-41	PG	52	-46
BC	1160899	BLUE RIVER A	119.30	52.13	679	-34	7	31	2	31	47	-34	-34	PG	52	-34	35	52	-38	-38	PG	52	-40
BC	1160900	BLUE RIVER NORTH	119.28	52.15	689	-34	5	30	2	30	46	-34	-34	PG	52	-34	34	50	-38	-38	PG	52	-40
BC	1060902	BONILLA ISLAND	130.63	53.50	16	-10	4	17	1	17	34	-10	-10	PG	<46	-10	18	35	-11	-11	PG	<46	-16
BC	1140905	BOSWELL	116.75	49.48	573	-16	5	31	2	31	48	-16	-16	PG	52	-16	36	53	-21	-21	PG	58	-22
BC	1080930	BRALORNE	122.82	50.78	1015	-26	5	29	3	29	46	-26	-26	PG	52	-28	35	52	-32	-32	PG	52	-34
BC	1041050	BRITANNIA BEACH	123.20	49.62	49	-10	5	27	2	27	45	-10	-10	PG	46	-10	32	49	-15	-15	PG	52	-16
BC	1031110	BULL HARBOUR	127.95	50.92	14	-7	3	19	2	19	36	-7	-7	PG	<46	-10	22	39	-10	-10	PG	<46	-10
BC	1101155	BURNABY MTN TERMINAL	122.93	49.27	137	-10	4	28	2	28	46	-10	-10	PG	46	-10	32	50	-14	-14	PG	52	-16
BC	1101158	BURNABY SIMON FRASER U	122.92	49.28	366	-10	4	26	2	26	44	-10	-10	PG	46	-10	31	48	-15	-15	PG	52	-16
BC	1091169	BURNS LAKE	125.77	54.23	704	-37	6	27	2	27	43	-37	-37	PG	46	-40	32	47	-42	-42	PG	52	-46
BC	1091170	BURNS LAKE DECKER LAKE	125.80	54.25	707	-38	7	26	4	26	42	-38	-38	PG	46	-40	34	50	-46	-46	PG	52	-52
BC	1021261	CAMPBELL RIVER A	125.27	49.95	105	-15	5	29	2	29	46	-15	-15	PG	52	-16	33	51	-19	-19	PG	52	-22
BC	1151288	CANAL FLATS RANGER STN	115.82	50.15	817	-32	5	33	2	33	50	-32	-32	PG	52	-34	36	53	-35	-35	PG	58	-40
BC	1021320	CAPE LAZO	124.87	49.70	38	-7	4	25	2	25	43	-7	-7	PG	46	-10	29	47	-11	-11	PG	52	-16
BC	1031353	CAPE SCOTT	128.43	50.78	70	-5	3	17	1	17	35	-5	-5	PG	<46	-10	19	36	-7	-7	PG	<46	-10
BC	1051350	CAPE ST JAMES	131.02	51.93	92	-7	4	18	1	18	35	-7	-7	PG	<46	-10	21	38	-10	-10	PG	<46	-10
BC	1131410	CARMI	119.08	49.50	1245	-27	6	28	2	28	46	-27	-27	PG	46	-28	32	49	-31	-31	PG	52	-34

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT
						AVG	STD	HIGH	TEMP	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT		
BC	1191440	CASSIAR	129.83	59.28	1077	-41	3	23	2	23	37	23	-41	-41	-45	27	41	PG	46
BC	1141455	CASLEGAR A	117.63	49.30	494	-19	4	34	2	34	51	34	-19	-19	-23	38	55	PG	58
BC	1141457	CASLEGAR BCPA DAM	117.78	49.35	475	-16	4	33	2	33	50	33	-16	-16	-19	36	53	PG	58
BC	1021480	CHATHAM POINT	125.43	50.33	23	-7	3	24	2	24	41	24	-7	-7	-11	28	45	PG	46
BC	1101530	CHILLIWACK	121.93	49.17	11	-12	4	29	2	29	47	29	-12	-12	-15	32	50	PG	52
BC	1101545	CHILLIWACK GIBSON ROAD	121.87	49.17	12	-13	4	30	2	30	48	30	-13	-13	-17	34	52	PG	52
BC	1031650	CLAYOQUOT	125.90	49.15	23	-5	3	23	2	23	41	23	-5	-5	-10	28	45	PG	46
BC	1021737	COAL HARBOUR RUPERT IN	127.50	50.60	57	-9	4	25	2	25	42	25	-9	-9	-13	29	46	PG	52
BC	1141800	COLUMBIA GARDENS	117.60	49.05	433	-23	6	35	2	35	52	35	-23	-23	-27	39	56	PG	58
BC	1021830	COMOX A	124.90	49.72	24	-10	4	27	2	27	45	27	-10	-10	-14	31	49	PG	52
BC	1101890	COQUITLAM LAKE	122.80	49.37	161	-11	5	27	3	27	45	27	-11	-11	-16	32	50	PG	52
BC	1011920	CORDOVA BAY	123.37	48.53	37	-7	4	26	2	26	44	26	-7	-7	-11	30	47	PG	52
BC	1021950	CORTES ISLAND	125.03	50.08	6	-7	3	26	2	26	43	26	-7	-7	-11	30	47	PG	52
BC	1012008	COWICHAN	123.70	48.42	52	-11	4	28	2	28	46	28	-11	-11	-16	33	51	PG	52
BC	1012010	COWICHAN BAY CHERRY PT	123.55	48.72	1	-9	4	26	3	26	44	26	-9	-9	-14	31	49	PG	52
BC	1012040	COWICHAN LAKE FORESTRY	124.13	48.83	177	-11	4	30	3	30	48	30	-11	-11	-16	35	52	PG	58
BC	1012055	COWICHAN LAKE VILLAGE	124.07	48.83	171	-10	4	30	2	30	48	30	-10	-10	-15	35	52	PG	58
BC	1152090	CRANBROOK	115.78	49.50	919	-33	5	32	2	32	49	32	-33	-33	-37	36	53	PG	58
BC	1152102	CRANBROOK A	115.78	49.62	939	-31	4	32	1	32	49	32	-31	-31	-34	35	52	PG	58
BC	1152100	CRANBROOK A	115.77	49.53	918	-31	5	32	2	32	49	32	-31	-31	-34	35	52	PG	58
BC	1142112	CRAWFORD BAY	116.83	49.68	594	-19	4	29	1	29	46	29	-19	-19	-22	32	49	PG	52
BC	1142130	CRESCENT VALLEY	117.57	49.45	610	-24	6	33	2	33	50	33	-24	-24	-28	37	55	PG	58
BC	1142160	CRESTON	116.52	49.10	597	-21	5	32	2	32	50	32	-21	-21	-25	36	53	PG	58
BC	1102220	CULTUS LAKE	121.98	49.08	46	-13	4	30	2	30	48	30	-13	-13	-18	35	52	PG	58
BC	1022250	CUMBERLAND	125.03	49.62	159	-12	4	30	3	30	47	30	-12	-12	-17	35	53	PG	58
BC	1162265	DARFIELD	120.18	51.30	412	-29	7	33	2	33	50	33	-29	-29	-33	37	53	PG	58
BC	1182285	DAWSON CREEK A	120.18	55.73	655	-43	3	26	2	26	41	26	-43	-43	-47	30	45	PG	46
BC	1192340	DEASE LAKE	130.00	58.42	816	-42	4	25	3	25	39	25	-42	-42	-48	31	45	PG	46
BC	1142400	DEER PARK	118.05	49.42	485	-17	4	32	2	32	49	32	-17	-17	-21	36	53	PG	58
BC	1092520	DOME CREEK	120.98	53.73	648	-38	5	28	2	28	44	28	-38	-38	-43	33	48	PG	52
BC	1092519	DOME CREEK	121.17	53.75	671	-38	6	30	3	30	46	30	-38	-38	-43	35	51	PG	52
BC	1012550	DUNCAN	123.72	48.78	9	-12	4	31	2	31	49	31	-12	-12	-16	35	53	PG	58
BC	1012570	DUNCAN FORESTRY	123.68	48.77	6	-12	5	29	2	29	47	29	-12	-12	-16	33	51	PG	52
BC	1142574	DUNCAN LAKE DAM	116.97	50.23	549	-22	5	31	2	31	48	31	-22	-22	-25	34	51	PG	52
BC	1062646	EGG ISLAND	127.83	51.25	14	-7	3	17	1	17	34	17	-7	-7	-8	18	36	PG	46
BC	1152670	ELKO	115.12	49.30	931	-27	5	32	2	32	49	32	-27	-27	-30	35	53	PG	58
BC	1162680	ENDERBY	119.13	50.55	354	-27	5	33	3	33	50	33	-27	-27	-33	39	56	PG	58
BC	1062745	ETHELDA BAY	129.68	53.05	8	-10	4	21	2	21	38	21	-10	-10	-13	24	41	PG	46
BC	1162784	FAIKLAND SALMON VALLEY	119.40	50.45	474	-25	5	33	2	33	50	33	-25	-25	-28	36	53	PG	58
BC	1142820	FAUGUER	118.07	49.87	472	-21	5	32	2	32	49	32	-21	-21	-25	36	53	PG	58
BC	1152850	FERNIE	115.07	49.50	1001	-32	5	30	2	30	47	30	-32	-32	-35	33	51	PG	52
BC	1152899	FORDING RIVER COMINCO	114.85	50.15	1585	-35	4	27	3	27	44	27	-35	-35	-42	34	51	PG	52
BC	1072902	FORT BABINE	126.62	55.32	716	-38	4	25	3	25	40	25	-38	-38	-44	31	46	PG	52

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Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT
						AVG	STD	HIGH	TEMP	AVG	STD	MAX AIR	MIN PVT	MIN AIR	MAX PVT	MIN AIR	MIN PVT		
BC	1192940	FORT NELSON A	122.58	58.83	382	-42	4	27	2	27	41	-42	-42	-39	45	-47	-47	PG	46
BC	1092970	FORT ST JAMES	124.25	54.45	686	-39	5	27	2	27	43	-39	-39	-40	47	-44	-44	PG	52
BC	1183000	FORT ST JOHN A	120.73	56.23	695	-38	4	26	2	26	41	-38	-38	-40	44	-41	-41	PG	46
BC	1153034	FT STEELE DANDY CRK	115.47	49.52	856	-32	6	32	2	32	49	-32	-32	-34	53	-36	-36	PG	58
BC	1183090	GERMANSEN LANDING	124.70	55.78	747	-42	4	26	2	26	41	-42	-42	-46	45	-46	-46	PG	46
BC	1043150	GIBSONS	123.52	49.40	62	-9	5	26	2	26	44	-9	-9	-10	47	-13	-13	PG	52
BC	1043152	GIBSONS GOWER POINT	123.53	49.38	34	-7	3	25	1	25	43	-7	-7	-10	45	-10	-10	PG	46
BC	1173180	GLACIER	117.48	51.23	1248	-27	6	27	3	27	44	-27	-27	-28	50	-33	-33	PG	52
BC	1173191	GLACIER NP MT FIDELITY	117.72	51.23	1874	-27	4	22	2	22	39	-27	-27	-28	43	-31	-31	PG	46
BC	1173210	GLACIER NP ROGERS PASS	117.52	51.28	1323	-29	4	26	2	26	43	-29	-29	-34	47	-33	-33	PG	52
BC	1163270	GOLDEN	116.98	51.30	785	-34	5	31	2	31	48	-34	-34	-34	52	-38	-38	PG	52
BC	1133270	GRAND FORKS	118.47	49.03	532	-27	6	34	2	34	51	-27	-27	-28	55	-31	-31	PG	58
BC	1133275	GRAND FORKS RAYFIELD	118.47	49.02	523	-27	5	35	2	35	52	-27	-27	-28	56	-30	-30	PG	58
BC	1153282	GRASMERE	115.07	49.07	869	-29	5	34	2	34	51	-29	-29	-32	55	-32	-32	PG	58
BC	1133300	GREENWOOD	118.68	49.10	763	-29	6	34	3	34	51	-29	-29	-35	57	-35	-35	PG	58
BC	1103324	HANEY CORRL INSTN	122.52	49.25	142	-11	4	29	2	29	47	-11	-11	-15	51	-15	-15	PG	52
BC	1103326	HANEY EAST	122.57	49.20	30	-13	4	29	2	29	47	-13	-13	-17	51	-17	-17	PG	52
BC	1103332	HANEY UBC RF ADMIN	122.57	49.27	143	-12	4	28	3	28	46	-12	-12	-18	51	-18	-18	PG	52
BC	1103332	HANEY UBC RF MARC	122.58	49.28	114	-11	5	28	3	28	46	-11	-11	-16	50	-16	-16	PG	52
BC	1163340	HAT CREEK	121.58	50.75	923	-34	5	30	2	30	47	-34	-34	-38	51	-38	-38	PG	52
BC	1123360	HEDLEY	120.07	49.35	517	-24	5	34	2	34	51	-24	-24	-28	55	-28	-28	PG	58
BC	1123390	HEDLEY NP MINE	120.02	49.37	1707	-29	6	25	2	25	43	-29	-29	-34	47	-34	-34	PG	52
BC	1163400	HEFFLEY CREEK	120.18	50.92	683	-30	6	31	2	31	48	-30	-30	-34	52	-34	-34	PG	52
BC	1113420	HELLS GATE	121.45	49.78	122	-18	4	33	3	33	50	-18	-18	-23	55	-23	-23	PG	58
BC	1123468	HIGHLAND VALLEY BCCL	121.00	50.50	1470	-30	7	26	3	26	43	-30	-30	-36	49	-36	-36	PG	52
BC	1123469	HIGHLAND VALLEY LORNE	121.02	50.47	1276	-31	5	27	2	27	44	-31	-31	-35	48	-35	-35	PG	52
BC	1093474	HIXON	122.70	53.53	541	-35	4	29	2	29	45	-35	-35	-40	49	-40	-40	PG	52
BC	1033480	HOLBERG	128.00	50.65	579	-9	4	19	3	19	37	-9	-9	-14	42	-14	-14	PG	46
BC	1033483	HOLBERG FIRE DEPT	127.98	50.65	46	-9	4	24	2	24	41	-9	-9	-13	45	-13	-13	PG	46
BC	1103510	HOLLYBURN RIDGE	123.18	49.38	930	-16	4	25	3	25	43	-16	-16	-21	48	-21	-21	PG	52
BC	1113540	HOPE A	121.48	49.37	39	-14	4	30	2	30	48	-14	-14	-19	52	-19	-19	PG	52
BC	1113550	HOPE KAWKAWA LAKE	121.40	49.38	152	-15	5	29	2	29	47	-15	-15	-20	51	-20	-20	PG	52
BC	1113570	HOPE LITTLE MOUNTAIN	121.42	49.38	177	-16	5	29	2	29	47	-16	-16	-22	51	-22	-22	PG	52
BC	1183629	HUDSON HOPE	121.92	56.08	473	-44	5	29	2	29	44	-44	-44	-48	48	-48	-48	PG	52
BC	1183629	HUDSON HOPE BCHPA DAM	122.20	56.02	678	-34	7	26	2	26	41	-34	-34	-36	45	-36	-36	PG	46
BC	1183655	INVERMERE	116.03	50.50	830	-33	7	31	2	31	48	-33	-33	-38	51	-38	-38	PG	52
BC	1123750	JOE RICH CREEK	119.13	49.85	875	-32	6	30	2	30	47	-32	-32	-36	51	-36	-36	PG	52
BC	1163779	KAMLOOPS	120.33	50.67	379	-25	6	34	2	34	51	-25	-25	-29	55	-29	-29	PG	58
BC	1163780	KAMLOOPS A	120.45	50.70	345	-26	5	34	2	34	51	-26	-26	-30	54	-30	-30	PG	58
BC	1163810	KAMLOOPS CDA	120.43	50.72	351	-26	6	35	2	35	52	-26	-26	-30	55	-30	-30	PG	58
BC	1143900	KASLO	116.92	49.92	591	-20	4	30	2	30	47	-20	-20	-24	51	-24	-24	PG	52
BC	1123930	KELOWNA	119.47	49.90	354	-21	5	32	2	32	49	-21	-21	-25	53	-25	-25	PG	58
BC	1123970	KELOWNA A	119.38	49.97	429	-25	5	33	4	33	50	-25	-25	-33	58	-33	-33	PG	64

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PRV	COUNTY	STATION	LONG	LAT	ELEV meters	LOW TEMP				HIGH TEMP				50% RELIABILITY						98% RELIABILITY					
						AVG		STD		AVG		STD		TEMPERATURES				GRADE		TEMPERATURES				GRADE	
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT
BC	1123980	KELOWNA CDA	119.42	49.87	485	-23	6	32	2	32	49	32	49	-23	-23	PG	52	-28	PG	58	-28				
BC	1123992	KELOWNA OK COLLEGE	119.48	49.87	350	-21	5	33	2	33	50	33	50	-21	-21	PG	52	-22	PG	58	-28				
BC	1064020	KEMANO	127.93	53.57	70	-19	4	28	3	28	44	28	44	-19	-19	PG	46	-22	PG	52	-28				
BC	1124110	KEREMEOS	119.78	49.20	430	-21	5	34	2	34	51	34	51	-21	-21	PG	52	-22	PG	58	-28				
BC	1094125	KERSLEY	122.37	52.82	671	-35	5	29	2	29	45	35	45	-35	-35	PG	46	-40	PG	52	-40				
BC	1064138	KILDALA	128.48	53.83	30	-17	5	27	2	27	43	43	43	-17	-17	PG	46	-22	PG	52	-22				
BC	1154200	KIMBERLEY A	115.78	49.73	914	-30	6	32	2	32	49	30	49	-30	-30	PG	52	-34	PG	58	-34				
BC	1064321	KITIMAT 2	128.70	54.00	17	-18	4	28	3	28	44	28	44	-18	-18	PG	46	-22	PG	52	-28				
BC	1064320	KITIMAT TOWNSITE	128.63	54.05	128	-20	4	27	3	27	43	20	43	-20	-20	PG	46	-22	PG	52	-28				
BC	1084350	KLEENA KLEENE	124.93	51.98	899	-38	6	28	2	28	45	38	45	-38	-38	PG	46	-40	PG	52	-46				
BC	1154400	KOOTENAY NP KINY CRSG	116.05	50.87	1170	-37	4	30	2	30	47	37	47	-37	-37	PG	52	-40	PG	52	-46				
BC	1154410	KOOTENAY NP WEST GATE	116.07	50.62	899	-30	4	31	2	31	48	30	48	-30	-30	PG	52	-34	PG	52	-34				
BC	1104468	LADNER	123.07	49.08	9	-11	4	25	2	25	43	11	43	-11	-11	PG	46	-16	PG	46	-16				
BC	1084490	LAJOIE DAM	122.87	50.83	686	-26	6	31	3	31	48	26	48	-26	-26	PG	52	-28	PG	58	-34				
BC	1104555	LANGLEY LOCHIEL	122.58	49.05	101	-11	4	28	2	28	46	11	46	-11	-11	PG	46	-16	PG	52	-16				
BC	1144580	LARDEAU	116.97	50.20	550	-21	4	31	2	31	48	21	48	-21	-21	PG	52	-22	PG	58	-28				
BC	1114620	LILLOET	121.93	50.70	290	-23	5	36	2	36	53	23	53	-23	-23	PG	58	-28	PG	58	-28				
BC	1114740	LYTON	121.57	50.23	175	-21	5	35	2	35	52	21	52	-21	-21	PG	52	-22	PG	58	-28				
BC	1114741	LYTON	121.58	50.23	258	-21	4	35	2	35	52	21	52	-21	-21	PG	52	-22	PG	58	-28				
BC	1114745	LYTON 2	121.60	50.25	174	-20	4	35	3	35	52	20	52	-20	-20	PG	52	-22	PG	58	-28				
BC	1054920	MASSET	132.13	54.03	3	-10	3	21	2	21	37	10	37	-10	-10	PG	46	-10	PG	46	-16				
BC	1094950	MCBRIDE 4SE	120.15	53.27	722	-37	6	29	2	29	45	37	45	-37	-37	PG	46	-40	PG	52	-46				
BC	1124980	MCCULLOCH	119.20	49.80	1250	-33	5	28	2	28	45	33	45	-33	-33	PG	46	-34	PG	52	-40				
BC	1065010	MCINNES ISLAND	128.72	52.27	25	-9	4	19	1	19	36	9	36	-9	-9	PG	46	-10	PG	46	-16				
BC	1125070	MERRITT	120.80	50.12	585	-29	7	31	2	31	48	29	48	-29	-29	PG	52	-34	PG	52	-34				
BC	1125079	MERRITT STP	120.80	50.12	588	-30	6	33	2	33	50	30	50	-30	-30	PG	52	-34	PG	58	-40				
BC	1065130	MILL BAY	129.75	55.00	3	-18	4	24	2	24	40	18	40	-18	-18	PG	46	-22	PG	46	-22				
BC	1105190	MISSION	122.33	49.13	60	-10	4	28	2	28	46	10	46	-10	-10	PG	46	-10	PG	52	-16				
BC	1105192	MISSION WEST ABBEY	122.27	49.15	221	-12	4	27	3	27	45	12	45	-12	-12	PG	46	-16	PG	52	-22				
BC	1195250	MUNCHO LAKE	125.77	58.92	835	-41	3	25	2	25	39	41	39	-41	-41	PG	46	-46	PG	46	-46				
BC	1145300	NAKUSP	117.80	50.23	457	-19	4	30	3	30	47	19	47	-19	-19	PG	52	-22	PG	58	-28				
BC	1025340	NANAIMO	123.97	49.18	70	-9	4	28	2	28	46	9	46	-9	-9	PG	46	-10	PG	52	-16				
BC	1025370	NANAIMO A	123.87	49.05	30	-12	4	29	2	29	47	12	47	-12	-12	PG	52	-16	PG	52	-22				
BC	1025C70	NANAIMO DEPARTURE BAY	123.95	49.22	8	-7	4	28	2	28	46	7	46	-7	-7	PG	46	-10	PG	52	-16				
BC	1025375	NANOOSE BAY	124.18	49.28	82	-9	4	28	2	28	46	9	46	-9	-9	PG	46	-10	PG	52	-16				
BC	1145430	NELSON	117.35	49.48	539	-20	4	33	2	33	50	20	50	-20	-20	PG	52	-22	PG	58	-28				
BC	1145445	NELSON 2	117.28	49.50	603	-18	4	32	2	32	49	18	49	-18	-18	PG	52	-22	PG	58	-28				
BC	1145460	NEW DENVER	117.38	49.98	564	-19	4	32	2	32	49	19	49	-19	-19	PG	52	-22	PG	58	-28				
BC	1075520	NEW HAZELTON	127.60	55.23	314	-32	6	28	3	28	43	32	43	-32	-32	PG	46	-34	PG	52	-40				
BC	1105550	NEW WESTMINSTER	122.93	49.22	119	-11	4	28	2	28	46	11	46	-11	-11	PG	46	-16	PG	52	-16				
BC	1105553	NEW WESTMINSTER BC PEN	122.90	49.22	18	-9	4	28	2	28	46	9	46	-9	-9	PG	46	-10	PG	52	-16				
BC	1155490	NEWGATE	115.15	49.02	709	-32	6	33	2	33	51	32	51	-32	-32	PG	52	-34	PG	58	-40				
BC	1125585	NICOLA LAKE	120.65	50.15	646	-30	6	30	2	30	47	30	47	-30	-30	PG	52	-34	PG	52	-34				

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PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE		
						LOW TEMP			TEMPERATURES			TEMPERATURES			TEMPERATURES			GRADE		
						AVG	STD	HIGH	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT
BC	1105630	NORTH NICOMEN	122.03	49.20	18	-13	4	29	2	2	29	-13	-13	-13	PG	52	-16	PG	52	-16
BC	1065670	OCEAN FALLS	127.68	52.35	5	-11	4	26	2	2	26	-11	-11	-11	PG	46	-16	PG	52	-16
BC	1125700	OKANAGAN CENTRE	119.45	50.07	347	-18	5	32	2	2	32	-18	-18	-18	PG	52	-22	PG	58	-22
BC	1145730	OLD GLORY MOUNTAIN	117.92	49.15	2347	-27	5	19	2	2	19	-27	-27	-27	PG	<46	-28	PG	46	-34
BC	1125760	OLIVER	119.55	49.17	315	-20	5	34	3	3	34	-20	-20	-20	PG	52	-22	PG	58	-28
BC	1125766	OLIVER STP	119.55	49.18	297	-19	5	36	2	2	36	-19	-19	-19	PG	58	-22	PG	58	-28
BC	1085835	OOTSA L SKINS L SPILLWAY	125.97	53.77	861	-33	5	25	3	3	25	-33	-33	-33	PG	46	-34	PG	46	-40
BC	1125850	OSOYOOS	119.43	49.03	297	-17	5	34	2	2	34	-17	-17	-17	PG	52	-22	PG	58	-22
BC	1125865	OSOYOOS WEST	119.43	49.03	297	-18	4	35	2	2	35	-18	-18	-18	PG	58	-22	PG	58	-22
BC	1025915	OYSTER RIVER UBC	125.13	49.88	11	-11	3	27	2	2	27	-11	-11	-11	PG	46	-16	PG	52	-16
BC	1126077	PEACHLAND BRENDA MINES	120.00	49.87	1520	-27	5	26	2	2	26	-27	-27	-27	PG	46	-28	PG	52	-34
BC	1116084	PEMBERTON HATCHERY	122.55	50.33	256	-18	3	32	2	2	32	-18	-18	-18	PG	52	-22	PG	58	-22
BC	1086090	PEMBERTON MEADOWS	122.93	50.45	222	-26	6	31	2	2	31	-26	-26	-26	PG	52	-28	PG	52	-34
BC	1126145	PENICTON	119.58	49.48	347	-18	4	32	2	2	32	-18	-18	-18	PG	52	-22	PG	58	-22
BC	1126150	PENICTON A	119.60	49.47	344	-18	4	33	2	2	33	-18	-18	-18	PG	52	-22	PG	58	-22
BC	1146168	PERRY SIDING	117.48	49.67	518	-22	5	34	2	2	34	-22	-22	-22	PG	52	-22	PG	58	-28
BC	1106180	PITT POLDER	122.63	49.30	2	-13	4	28	2	2	28	-13	-13	-13	PG	46	-16	PG	52	-22
BC	1036205	PORT ALBERNI	124.80	49.23	59	-11	4	31	2	2	31	-11	-11	-11	PG	52	-16	PG	58	-16
BC	1036206	PORT ALBERNI A	124.83	49.25	2	-11	4	31	3	3	31	-11	-11	-11	PG	46	-10	PG	46	-16
BC	1036240	PORT ALICE	127.45	50.38	21	-7	3	25	2	2	25	-7	-7	-7	PG	46	-10	PG	46	-16
BC	1106C12	PORT MOODY GLENAYRE	122.88	49.28	130	-10	3	28	2	2	28	-10	-10	-10	PG	46	-10	PG	52	-16
BC	1066336	PORT SIMPSON	130.43	54.57	8	-14	4	20	2	2	20	-14	-14	-14	PG	<46	-16	PG	<46	-22
BC	1046390	POWELL RIVER	124.55	49.87	52	-7	3	27	2	2	27	-7	-7	-7	PG	46	-10	PG	52	-16
BC	1046391	POWELL RIVER A	124.50	49.83	121	-10	4	27	2	2	27	-10	-10	-10	PG	46	-10	PG	52	-16
BC	1066420	PREMIER	130.02	56.05	410	-20	4	25	2	2	25	-20	-20	-20	PG	46	-22	PG	46	-28
BC	1096450	PRINCE GEORGE A	122.68	53.88	676	-38	6	27	2	2	27	-38	-38	-38	PG	46	-40	PG	52	-46
BC	1066480	PRINCE RUPERT	130.38	54.28	52	-12	4	21	2	2	21	-12	-12	-12	PG	<46	-16	PG	46	-16
BC	1066481	PRINCE RUPERT A	130.43	54.30	34	-17	4	19	1	1	19	-17	-17	-17	PG	<46	-22	PG	<46	-22
BC	1126505	PRINCETON	120.50	49.43	632	-32	6	33	2	2	33	-32	-32	-32	PG	52	-34	PG	58	-40
BC	1126510	PRINCETON A	120.52	49.47	700	-30	6	33	2	2	33	-30	-30	-30	PG	52	-34	PG	58	-34
BC	1026565	QUALICUM R FISH RESEARCH	124.62	49.40	8	-9	3	26	2	2	26	-9	-9	-9	PG	46	-10	PG	52	-16
BC	1036570	QUATSINO	127.65	50.53	8	-7	3	24	2	2	24	-7	-7	-7	PG	46	-10	PG	46	-16
BC	1096600	QUESNEL	122.48	52.98	488	-35	6	30	2	2	30	-35	-35	-35	PG	52	-40	PG	52	-40
BC	1096630	QUESNEL A	122.52	53.03	545	-36	5	30	2	2	30	-36	-36	-36	PG	52	-40	PG	52	-40
BC	1096635	QUESNEL MOOSE HEIGHTS	122.50	53.07	712	-34	5	28	3	3	28	-34	-34	-34	PG	46	-34	PG	58	-34
BC	1176750	REVELSTOKE	118.20	51.00	456	-26	5	33	3	3	33	-26	-26	-26	PG	52	-28	PG	52	-40
BC	1176751	REVELSTOKE A	118.18	50.97	443	-23	5	31	2	2	31	-23	-23	-23	PG	52	-28	PG	58	-34
BC	1016780	RIVER JORDAN	124.05	48.42	3	-7	4	22	2	2	22	-7	-7	-7	PG	46	-10	PG	46	-16
BC	1136812	ROCK CREEK	119.02	49.07	610	-31	7	34	5	5	34	-31	-31	-31	PG	52	-16	PG	64	-46
BC	1106865	ROSEDALE	121.80	49.18	11	-13	4	30	2	2	30	-13	-13	-13	PG	52	-22	PG	52	-22
BC	1146870	ROSSLAND CITY YARD	117.80	49.08	1039	-21	5	30	2	2	30	-21	-21	-21	PG	52	-22	PG	52	-28
BC	1146874	ROSSLAND MACLEAN	117.80	49.08	1085	-21	5	29	2	2	29	-21	-21	-21	PG	52	-22	PG	52	-28
BC	1016940	SAANICHTON CDA	123.42	48.62	61	-7	4	26	2	2	26	-7	-7	-7	PG	46	-10	PG	52	-16

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

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PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT
						AVG	STD	HIGH	TEMP	STD	AVG	MAX AIR	MIN PVT	MIN AIR	MAX PVT	MAX AIR	MIN PVT		
BC	1166945	SALMON ARM	119.25	50.70	506	-24	5	33	2	33	50	-24	-24	-24	53	-28	-28	PG	58
BC	1166946	SALMON ARM 2	119.28	50.70	396	-25	6	33	2	33	50	-25	-25	-25	54	-29	-29	PG	58
BC	1057050	SANDSPIT A	131.82	53.25	5	-9	3	20	2	20	36	-9	-9	-9	40	-13	-13	PG	<46
BC	1117215	SHALALH	122.22	50.73	244	-18	5	34	2	34	51	-18	-18	-18	55	-22	-22	PG	58
BC	1017230	SHAWNIGAN LAKE	123.62	48.65	137	-11	4	29	2	29	47	-11	-11	-11	51	-15	-15	PG	52
BC	1167275	SICAMOUS	119.00	50.80	427	-21	6	32	3	32	49	-21	-21	-21	55	-27	-27	PG	58
BC	1157380	SINCLAIR PASS	115.97	50.67	1170	-29	5	27	5	27	44	-29	-29	-29	53	-38	-38	PG	58
BC	1197530	SMITH RIVER A	126.43	59.90	673	-49	4	26	2	26	39	-49	-49	-49	42	-52	-52	PG	46
BC	1077500	SMITHERS A	127.18	54.82	523	-32	5	27	2	27	43	-32	-32	-32	47	-37	-37	PG	52
BC	1077505	SMITHERS CDA	127.10	54.73	515	-33	5	27	2	27	43	-33	-33	-33	47	-38	-38	PG	52
BC	1167592	SORRENTO EAST	119.40	50.88	488	-22	3	31	3	31	48	-22	-22	-22	54	-28	-28	PG	58
BC	1147620	SOUTH SLOCAN	117.53	49.47	457	-22	5	34	3	34	51	-22	-22	-22	57	-28	-28	PG	58
BC	1177640	SPILLIMACHEEN	116.40	50.92	818	-31	5	30	3	30	47	-31	-31	-31	52	-36	-36	PG	58
BC	1037650	SPRING ISLAND	127.42	50.00	11	-5	2	21	2	21	39	-5	-5	-5	42	-9	-9	PG	46
BC	1107680	STAVE FALLS	122.37	49.23	110	-12	5	29	3	29	47	-12	-12	-12	53	-18	-18	PG	58
BC	1107710	STEVESTON	123.18	49.13	0	-12	4	25	2	25	43	-12	-12	-12	46	-15	-15	PG	46
BC	1067740	STEWART	129.98	55.95	5	-21	4	26	3	26	41	-21	-21	-21	46	-27	-27	PG	52
BC	1067776	STUE TWEEDSMUIR LODGE	126.07	52.37	162	-20	6	31	2	31	47	-20	-20	-20	52	-25	-25	PG	52
BC	1127800	SUMMERLAND CDA	119.65	49.57	454	-19	4	33	2	33	50	-19	-19	-19	53	-22	-22	PG	58
BC	1107876	SURREY MUNICIPAL HALL	122.83	49.10	76	-11	4	27	2	27	45	-11	-11	-11	49	-15	-15	PG	52
BC	1107878	SURREY NEWTON	122.85	49.13	73	-12	4	28	2	28	46	-12	-12	-12	50	-16	-16	PG	52
BC	1087950	TAHTSA LAKE WEST	127.70	53.62	863	-28	4	24	3	24	40	-28	-28	-28	45	-33	-33	PG	46
BC	1167980	TAPPEN	119.33	50.75	442	-24	6	34	2	34	51	-24	-24	-24	55	-29	-29	PG	58
BC	1058003	TASU SOUND	132.05	52.77	15	-7	2	22	3	22	39	-7	-7	-7	44	-12	-12	PG	46
BC	1088010	TAILAYOKO LAKE	124.40	51.67	853	-32	5	29	2	29	46	-32	-32	-32	50	-36	-36	PG	52
BC	1078070	TELKWA	126.83	54.65	683	-31	5	27	2	27	43	-31	-31	-31	47	-35	-35	PG	52
BC	1068100	TERRACE	128.58	54.52	0	-21	5	29	4	29	45	-21	-21	-21	52	-29	-29	PG	58
BC	1068130	TERRACE A	128.58	54.47	217	-20	5	28	3	28	44	-20	-20	-20	49	-26	-26	PG	52
BC	1068131	TERRACE PCC	128.62	54.50	58	-21	4	29	3	29	45	-21	-21	-21	50	-27	-27	PG	52
BC	1058190	TLELL	131.93	53.48	5	-10	3	22	2	22	38	-10	-10	-10	43	-15	-15	PG	46
BC	1038205	TOFINO A	125.77	49.08	24	-7	3	23	2	23	41	-7	-7	-7	44	-11	-11	PG	46
BC	1178339	VALEMOUNT	119.25	52.82	797	-40	5	30	2	30	46	-40	-40	-40	50	-44	-44	PG	52
BC	1028340	VANANDA	124.58	49.75	12	-9	4	26	2	26	44	-9	-9	-9	47	-12	-12	PG	52
BC	1108446	VANCOUVER HARBOUR CS	123.12	49.30	0	-7	4	25	2	25	43	-7	-7	-7	46	-10	-10	PG	52
BC	1108447	VANCOUVER INT'L A	123.17	49.18	3	-11	4	25	1	25	43	-11	-11	-11	45	-14	-14	PG	46
BC	1108465	VANCOUVER PMO	123.12	49.28	59	-10	4	26	2	26	44	-10	-10	-10	48	-14	-14	PG	52
BC	1108487	VANCOUVER UBC	123.25	49.25	87	-9	4	24	2	24	42	-9	-9	-9	45	-12	-12	PG	46
BC	1098490	VANDERHOOF	124.00	54.05	638	-43	5	28	2	28	44	-43	-43	-43	48	-47	-47	PG	52
BC	1168520	VAVENBY	119.78	51.58	445	-32	7	32	2	32	49	-32	-32	-32	53	-36	-36	PG	58
BC	1128550	VERNON	119.27	50.25	422	-24	6	33	2	33	50	-24	-24	-24	53	-27	-27	PG	58
BC	1128580	VERNON COLDSTREAM RANCH	119.20	50.23	482	-25	6	32	2	32	49	-25	-25	-25	52	-28	-28	PG	58
BC	1018610	VICTORIA GONZALES HTS	123.32	48.42	69	-7	4	24	2	24	42	-7	-7	-7	46	-11	-11	PG	46
BC	1018620	VICTORIA INT'L A	123.43	48.65	20	-9	4	26	2	26	44	-9	-9	-9	47	-12	-12	PG	52

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY									
						TEMPERATURES					GRADE					TEMPERATURES					GRADE				
						AVG	STD	TEMP	HIGH	TEMP	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT
BC	1018642	VICTORIA MARINE	123.75	48.37	32	-7	3	22	2	22	40	-7	-7	PG	46	-10	25	43	-10	-10	PG	46	-16		
BC	1018660	VICTORIA TILICUM	123.38	48.45	23	-9	3	27	2	27	45	-9	-9	PG	46	-10	30	48	-12	-12	PG	52	-16		
BC	1148670	WANETA	117.58	49.02	558	-23	5	35	2	35	52	-23	-23	PG	58	-28	40	57	-28	-28	PG	58	-28		
BC	1148700	WARFIELD	117.75	49.10	606	-19	5	34	2	34	51	-19	-19	PG	52	-22	38	55	-23	-23	PG	58	-28		
BC	1168880	WESTWOLD	119.72	50.47	610	-31	6	32	2	32	49	-31	-31	PG	52	-34	36	52	-35	-35	PG	58	-40		
BC	1108890	WHALLEY FOREST NURSERY	122.83	49.18	84	-13	4	28	2	28	46	-13	-13	PG	46	-16	32	50	-17	-17	PG	52	-22		
BC	1108910	WHITE ROCK	122.83	49.03	61	-11	4	25	2	25	43	-11	-11	PG	46	-16	29	47	-15	-15	PG	52	-16		
BC	1098940	WILLIAMS LAKE A	122.05	52.18	940	-34	5	28	2	28	45	-34	-34	PG	46	-34	32	49	-38	-38	PG	52	-40		
BC	1089970	WISTARIA	126.17	53.82	873	-34	5	26	3	26	42	-34	-34	PG	46	-34	32	47	-40	-40	PG	52	-40		
BC	1128983	WOODS LAKE	119.45	50.05	405	-23	5	34	2	34	51	-23	-23	PG	52	-28	37	54	-26	-26	PG	58	-28		
MB	5030080	ARBORG	97.08	50.93	224	-40	3	29	2	29	46	-40	-40	PG	46	-46	32	49	-43	-43	PG	52	-46		
MB	5040120	ASHERN	98.37	51.13	263	-43	2	29	2	29	46	-43	-43	PG	46	-46	33	50	-47	-47	PG	52	-52		
MB	5010140	BALDUR	99.33	49.30	450	-37	2	31	2	31	49	-37	-37	PG	52	-40	35	52	-41	-41	PG	58	-46		
MB	5030155	BEAUSEJOUR	96.22	50.13	302	-37	3	29	2	29	46	-37	-37	PG	52	-40	32	49	-40	-40	PG	52	-46		
MB	5030160	BEAUSEJOUR 2	96.43	50.02	220	-40	3	30	3	30	47	-40	-40	PG	52	-40	35	52	-45	-45	PG	58	-46		
MB	5010180	BEDE	100.93	49.37	442	-38	3	31	3	31	48	-38	-38	PG	52	-40	37	54	-44	-44	PG	58	-46		
MB	5030200	BERENS RIVER	97.03	52.35	217	-40	4	28	3	28	44	-40	-40	PG	46	-40	34	50	-46	-46	PG	52	-52		
MB	5040218	BIRCH RIVER	101.00	52.47	280	-41	4	29	2	29	45	-41	-41	PG	46	-46	32	48	-44	-44	PG	52	-46		
MB	5010240	BIRTLE	100.85	50.43	548	-39	6	29	2	29	46	-39	-39	PG	52	-40	33	50	-43	-43	PG	52	-46		
MB	5030282	BISSETT	95.68	51.03	268	-41	2	29	2	29	46	-41	-41	PG	46	-46	33	50	-45	-45	PG	52	-46		
MB	5030280	BISSETT	95.63	50.97	0	-43	3	30	5	30	47	-43	-43	PG	52	-46	39	56	-52	-52	PG	58	-52		
MB	5020321	BOISEVAIN 2	100.08	49.22	526	-36	2	30	3	30	48	-36	-36	PG	52	-40	35	52	-41	-41	PG	58	-46		
MB	5010480	BRANDON A	99.95	49.92	409	-37	4	30	2	30	47	-37	-37	PG	52	-40	34	51	-41	-41	PG	52	-46		
MB	5030510	BROAD VALLEY	97.47	50.98	259	-38	3	30	2	30	47	-38	-38	PG	52	-40	34	51	-42	-42	PG	52	-46		
MB	5060520	BROCHET A	101.68	57.88	346	-47	3	25	3	25	39	-47	-47	PG	46	-52	31	45	-53	-53	PG	46	-52		
MB	5010548	CARBERRY	99.37	49.87	385	-38	3	30	2	30	47	-38	-38	PG	52	-40	33	50	-41	-41	PG	52	-46		
MB	5060600	CHURCHILL A	94.07	58.73	28	-41	2	23	2	23	37	-41	-41	PG	46	-46	28	41	-46	-46	PG	46	-46		
MB	5060602	CHURCHILL MARINE	94.18	58.78	13	-41	3	22	2	22	36	-41	-41	PG	46	-46	25	39	-44	-44	PG	46	-46		
MB	5040675	DAUPHIN	100.03	51.15	292	-37	6	31	2	31	48	-37	-37	PG	52	-40	35	52	-41	-41	PG	52	-46		
MB	5040680	DAUPHIN A	100.05	51.10	304	-38	2	30	2	30	47	-38	-38	PG	52	-40	33	50	-41	-41	PG	52	-46		
MB	5020720	DEERWOOD	98.32	49.40	338	-35	2	31	2	31	48	-35	-35	PG	52	-40	35	52	-39	-39	PG	58	-40		
MB	5010760	DELORAINE	100.50	49.18	500	-36	4	31	2	31	49	-36	-36	PG	52	-40	36	53	-41	-41	PG	58	-46		
MB	5010761	DELORAINE 2	100.40	49.17	533	-36	4	31	3	31	49	-36	-36	PG	52	-40	37	54	-42	-42	PG	58	-46		
MB	5040764	DELTA UNIVERSITY FS	98.38	50.18	248	-37	2	29	2	29	46	-37	-37	PG	52	-40	32	50	-40	-40	PG	52	-46		
MB	5020810	DUGALD	96.82	49.87	243	-38	4	29	3	29	46	-38	-38	PG	52	-40	34	51	-43	-43	PG	52	-46		
MB	5030912	FALCON LAKE TCPL 45	95.37	49.68	338	-41	3	30	2	30	47	-41	-41	PG	52	-46	34	51	-45	-45	PG	52	-46		
MB	5050920	FLIN FLON	101.85	54.77	335	-39	3	28	2	28	43	-39	-39	PG	46	-40	32	47	-43	-43	PG	52	-46		
MB	5050960	FLIN FLON A	101.68	54.68	304	-42	2	28	2	28	44	-42	-42	PG	46	-46	32	47	-46	-46	PG	52	-46		
MB	5030982	FRASERWOOD	97.22	50.63	256	-39	3	29	2	29	46	-39	-39	PG	52	-40	33	50	-43	-43	PG	52	-46		
MB	5040985	GILBERT PLAINS	100.47	51.10	404	-38	3	30	2	30	47	-38	-38	PG	52	-40	33	50	-41	-41	PG	52	-46		
MB	5061000	GILLAM	94.70	56.35	138	-43	3	26	3	26	41	-43	-43	PG	46	-46	32	46	-49	-49	PG	52	-52		
MB	5061001	GILLAM A	94.70	56.35	145	-43	2	26	3	26	41	-43	-43	PG	46	-46	31	46	-48	-48	PG	46	-52		
MB	5031040	GIMLI A	97.05	50.63	221	-38	3	29	1	29	46	-38	-38	PG	52	-40	32	49	-41	-41	PG	52	-46		

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT
						AVG	STD	HIGH	TEMP	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT		
MB	5011051	GLENBORO	99.33	49.57	372	-38	2	31	2	31	48	31	48	-38	-38	35	52	PG	58
MB	5021054	GLENLEA	97.12	49.65	234	-39	3	30	2	30	47	30	47	-39	-39	34	51	PG	52
MB	5031111	GRAND RAPIDS HYDRO	99.28	53.15	222	-39	2	28	2	28	44	28	44	-39	-39	32	48	PG	52
MB	5041140	GRASS RIVER	98.97	50.52	270	-38	3	30	2	30	47	30	47	-38	-38	34	51	PG	52
MB	5021160	GRAYSVILLE	98.17	49.50	283	-36	4	31	2	31	48	31	48	-36	-36	35	52	PG	58
MB	5031200	GREAT FALLS	96.00	50.47	249	-39	3	29	2	29	46	29	46	-39	-39	33	50	PG	52
MB	5011240	HAMIOTA	100.62	50.18	518	-40	3	30	3	30	47	30	47	-40	-40	35	52	PG	58
MB	5011293	HILLVIEW	100.55	49.92	427	-39	6	29	3	29	46	29	46	-39	-39	35	52	PG	58
MB	5031301	HODGSON 2	97.45	51.18	232	-41	2	28	5	28	45	28	45	-41	-41	38	54	PG	58
MB	5031320	INDIAN BAY	95.20	49.62	327	-41	3	29	2	29	46	29	46	-41	-41	32	50	PG	52
MB	5061376	ISLAND LAKE A	94.65	53.85	237	-41	2	27	2	27	43	27	43	-41	-41	31	47	PG	52
MB	5041530	LANGRUTH	98.55	50.40	250	-37	2	29	2	29	46	29	46	-37	-37	32	49	PG	52
MB	5061646	LYNN LAKE A	101.08	56.87	357	-44	2	26	3	26	41	26	41	-44	-44	31	46	PG	46
MB	5021695	MARQUETTE	97.80	50.02	244	-36	3	30	2	30	47	30	47	-36	-36	33	51	PG	52
MB	5011720	MELITA	101.00	49.33	442	-39	3	32	2	32	49	32	49	-39	-39	37	54	PG	58
MB	5041800	MOOSEHORN	98.62	51.30	250	-40	4	28	2	28	45	28	45	-40	-40	32	49	PG	52
MB	5021848	MORDEN CDA	98.08	49.18	297	-35	3	32	2	32	50	32	50	-35	-35	36	54	PG	58
MB	5021920	MORRIS	97.37	49.35	235	-36	5	31	3	31	48	31	48	-36	-36	36	53	PG	58
MB	5021975	MYRTLE	97.78	49.40	248	-36	2	31	2	31	48	31	48	-36	-36	35	52	PG	58
MB	5042005	NEEPAWA WATER	99.47	50.22	358	-37	4	30	2	30	47	30	47	-37	-37	34	51	PG	52
MB	5022040	NINETTE	99.63	49.40	417	-37	4	31	2	31	48	31	48	-37	-37	35	52	PG	58
MB	5022043	NIVERVILLE	97.05	49.60	237	-38	3	30	2	30	47	30	47	-38	-38	34	51	PG	52
MB	5042047	NORWAY HOUSE	97.83	53.98	217	-44	3	27	4	27	43	27	43	-44	-44	34	50	PG	52
MB	50680M7	NORWAY HOUSE FORESTRY	97.80	54.00	217	-42	3	28	2	28	44	28	44	-42	-42	32	48	PG	52
MB	5022051	OAKBANK	96.85	49.93	246	-41	4	29	2	29	46	29	46	-41	-41	33	50	PG	52
MB	5012054	OAKNER	100.63	50.10	503	-38	3	30	3	30	47	30	47	-38	-38	37	54	PG	58
MB	5042055	OCHRE RIVER	99.78	51.07	280	-38	4	30	2	30	47	30	47	-38	-38	33	50	PG	52
MB	5052060	PASQUA PROJECT	101.53	53.72	262	-40	3	28	3	28	44	28	44	-40	-40	33	49	PG	52
MB	5022065	PEACE GARDENS	100.05	49.00	693	-36	3	29	2	29	47	29	47	-36	-36	32	50	PG	52
MB	5022125	PILOT MOUND (AUT)	98.90	49.20	470	-36	2	30	2	30	48	30	48	-36	-36	34	51	PG	52
MB	5032160	PINAWA	95.92	50.22	259	-41	4	29	2	29	46	29	46	-41	-41	33	50	PG	52
MB	5032162	PINAWA WNRE	96.05	50.18	267	-40	3	29	2	29	46	29	46	-40	-40	33	50	PG	52
MB	5032163	PINE DOCK	96.85	51.67	219	-39	3	28	2	28	45	28	45	-39	-39	32	49	PG	52
MB	5032164	PINE FALLS	96.22	50.57	231	-39	3	29	2	29	46	29	46	-39	-39	33	50	PG	52
MB	5022245	PLUM COULEE	97.80	49.05	265	-35	2	32	2	32	50	32	50	-35	-35	36	53	PG	58
MB	5012279	PORTAGE LA PRAIRIE	98.30	49.97	261	-38	3	29	3	29	46	29	46	-38	-38	36	53	PG	58
MB	5012322	PORTAGE LA PRAIRIE 2	98.32	49.98	261	-36	2	30	2	30	47	30	47	-36	-36	33	50	PG	52
MB	5012320	PORTAGE LA PRAIRIE A	98.27	49.90	270	-35	4	30	2	30	47	30	47	-35	-35	33	50	PG	52
MB	5022335	RATHWELL	98.55	49.68	324	-36	3	31	2	31	48	31	48	-36	-36	35	52	PG	58
MB	5012400	RESTON	101.10	49.55	464	-37	4	30	3	30	47	30	47	-37	-37	35	52	PG	58
MB	5012440	RIVERS A	100.32	50.02	473	-38	3	30	2	30	47	30	47	-38	-38	33	50	PG	52
MB	5022480	ROLAND	98.00	49.42	267	-35	6	30	2	30	48	30	48	-35	-35	35	52	PG	52
MB	5012500	ROSSBURN	100.82	50.67	590	-37	7	29	2	29	46	29	46	-37	-37	32	49	PG	52

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			GRADE	
						AVG	STD	HIGH	TEMP	STD	AVG	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	PG	HT
MB	5012520	RUSSELL	101.28	50.77	567	-40	4	29	2	2	29	46	-40	-40	-44	PG	52	PG	52
MB	5022630	SELKIRK	96.88	50.15	225	-36	3	30	2	2	30	47	-36	-36	-40	PG	52	PG	52
MB	5032640	SEVEN SISTERS FALLS	96.02	50.12	267	-38	3	29	2	2	29	46	-38	-38	-42	PG	52	PG	52
MB	5012710	SOMERSET	98.62	49.45	488	-36	2	29	2	2	29	47	-36	-36	-40	PG	52	PG	52
MB	5012720	SOURIS	100.27	49.62	427	-38	6	30	3	3	30	47	-38	-38	-43	PG	58	PG	58
MB	5022760	SPRAGUE	95.63	49.03	327	-42	5	30	2	2	30	48	-42	-42	-46	PG	52	PG	52
MB	5012540	ST ALBANS	99.55	49.70	360	-39	3	33	2	2	33	50	-39	-39	-43	PG	58	PG	58
MB	5022770	STARBUCK	97.62	49.73	238	-37	2	31	2	2	31	48	-37	-37	-41	PG	52	PG	52
MB	5022780	STEINBACH	96.77	49.53	254	-38	3	30	1	1	30	47	-38	-38	-41	PG	52	PG	52
MB	5022788	STONEWALL	97.33	50.12	251	-37	4	30	2	2	30	47	-37	-37	-41	PG	52	PG	52
MB	5022790	STONY MOUNTAIN	97.23	50.07	245	-40	3	30	4	4	30	47	-40	-40	-47	PG	58	PG	58
MB	5012796	STRATHCLAIR	100.40	50.40	579	-38	3	29	2	2	29	46	-38	-38	-41	PG	52	PG	52
MB	5052864	THE PAS	101.25	53.82	271	-42	3	28	2	2	28	44	-42	-42	-45	PG	52	PG	52
MB	5052880	THE PAS A	101.10	53.97	271	-41	3	28	2	2	28	44	-41	-41	-45	PG	52	PG	52
MB	5062922	THOMPSON A	97.87	55.80	215	-45	2	27	3	3	27	42	-45	-45	-50	PG	52	PG	52
MB	5012930	TREHERNE	98.70	49.63	373	-37	5	30	3	3	30	47	-37	-37	-42	PG	58	PG	58
MB	5043020	VOGAR	98.75	50.92	250	-37	3	28	1	1	28	45	-37	-37	-40	PG	52	PG	52
MB	5063040	WABOWDEN	98.63	54.92	233	-42	2	27	2	2	27	42	-42	-42	-46	PG	52	PG	52
MB	5013117	WASAGAMING	99.93	50.65	626	-43	2	28	2	2	28	45	-43	-43	-47	PG	52	PG	52
MB	5023222	WINNIPEG INTL A	97.23	49.90	239	-37	3	31	2	2	31	48	-37	-37	-41	PG	52	PG	52
MB	5023243	WINNIPEG ST JOHNS COIL	97.12	49.88	232	-40	4	30	2	2	30	47	-40	-40	-44	PG	52	PG	52
MB	5023261	WINNIPEG STP	97.10	49.95	233	-37	4	31	2	2	31	48	-37	-37	-41	PG	58	PG	58
NB	8100100	ACADIA FOREST EXP ST	66.37	45.98	61	-34	4	29	2	2	29	48	-34	-34	-37	PG	52	PG	52
NB	8100200	ALMA	64.95	45.60	43	-25	3	24	1	1	24	43	-25	-25	-27	PG	46	PG	46
NB	8100300	AROOSTOOK	67.72	46.80	91	-36	3	28	3	3	28	47	-36	-36	-41	PG	52	PG	52
NB	8100500	BATHURST	65.65	47.62	12	-29	5	29	2	2	29	47	-29	-29	-33	PG	52	PG	52
NB	8100566	BON ACCORD	67.58	46.65	442	-30	6	26	2	2	26	45	-30	-30	-33	PG	52	PG	52
NB	8100590	BUCTOUCHE	64.72	46.52	11	-27	3	28	3	3	28	47	-27	-27	-32	PG	52	PG	52
NB	8100700	CAMPBELLTON	66.67	48.00	8	-29	3	29	2	2	29	47	-29	-29	-33	PG	52	PG	52
NB	8100701	CAMPBELLTON POWER ST	66.68	48.00	26	-29	3	29	2	2	29	47	-29	-29	-33	PG	52	PG	52
NB	8100775	CANTERBURY	67.47	45.88	174	-33	4	29	1	1	29	48	-33	-33	-35	PG	52	PG	52
NB	8100850	CENTREVILLE	67.70	46.38	143	-33	3	29	1	1	29	48	-33	-33	-36	PG	52	PG	52
NB	8100880	CHARLO A	66.33	47.98	37	-32	4	28	2	2	28	46	-32	-32	-32	PG	52	PG	52
NB	8100990	CHATHAM	65.48	47.05	30	-32	3	29	2	2	29	47	-32	-32	-36	PG	52	PG	52
NB	8101000	CHATHAM A	65.45	47.02	34	-29	3	30	2	2	30	48	-29	-29	-33	PG	52	PG	52
NB	8101100	CHIPMAN	65.87	46.18	11	-34	7	30	2	2	30	49	-34	-34	-39	PG	58	PG	58
NB	8101170	DALHOUSE	66.37	48.07	12	-31	3	26	4	4	26	44	-31	-31	-35	PG	52	PG	52
NB	8101200	DOAKTOWN	66.15	46.55	38	-32	5	29	2	2	29	48	-32	-32	-35	PG	52	PG	52
NB	8101300	EDMUNDSTON	68.33	47.37	174	-34	4	28	2	2	28	46	-34	-34	-39	PG	52	PG	52
NB	8101301	EDMUNDSTON FRASER CO	68.33	47.37	152	-33	4	29	2	2	29	47	-33	-33	-36	PG	52	PG	52
NB	8101500	FREDERICTON A	66.53	45.87	16	-30	3	30	2	2	30	49	-30	-30	-33	PG	52	PG	52
NB	8101600	FREDERICTON CDA	66.62	45.92	40	-31	3	29	2	2	29	48	-31	-31	-34	PG	52	PG	52
NB	8101700	FREDERICTON UNB	66.60	45.95	50	-32	3	29	2	2	29	48	-32	-32	-36	PG	52	PG	52

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

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PRV	COUNTY	STATION	LONG	LAT	ELEV meters	LOW TEMP				HIGH TEMP				50% RELIABILITY					98% RELIABILITY														
						AVG		STD		AVG		STD		TEMPERATURES					GRADE					TEMPERATURES					GRADE				
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT			
NB	8101800	GAGE TOWN 2	66.15	45.78	53	-28	4	29	2	-28	29	48	-28	-28	PG	52	-28	33	51	-32	-32	PG	52	-34	33	51	-32	-32	PG	52	-34		
NB	8101900	GRAND FALLS	67.73	47.05	152	-35	5	28	2	-35	28	46	-35	-35	PG	52	-40	32	51	-39	-39	PG	52	-40	32	51	-39	-39	PG	52	-40		
NB	8101904	GRAND FALLS DRUMMOND	67.70	47.03	229	-32	3	27	1	-32	27	45	-32	-32	PG	46	-34	30	48	-35	-35	PG	52	-40	30	48	-35	-35	PG	52	-40		
NB	8101920	GRAND MANAN	66.77	44.73	8	-23	2	24	1	-23	24	43	-23	-23	PG	46	-28	26	46	-25	-25	PG	46	-28	26	46	-25	-25	PG	46	-28		
NB	8102160	HARDWOOD RIDGE	65.92	46.17	0	-32	3	28	2	-32	28	47	-32	-32	PG	52	-34	32	51	-36	-36	PG	52	-40	32	51	-36	-36	PG	52	-40		
NB	8102200	HARVEY STATION	67.00	45.73	152	-29	4	29	2	-29	29	48	-29	-29	PG	52	-34	33	52	-33	-33	PG	52	-34	33	52	-33	-33	PG	52	-34		
NB	8102275	JUNIPER	67.17	46.55	259	-36	4	28	2	-36	28	47	-36	-36	PG	52	-40	31	49	-39	-39	PG	52	-40	31	49	-39	-39	PG	52	-40		
NB	8102350	LITTLE RIVER MINE	66.07	47.28	341	-30	4	28	2	-30	28	46	-30	-30	PG	52	-34	31	50	-33	-33	PG	52	-34	31	50	-33	-33	PG	52	-34		
NB	8102600	MCADAM	67.33	45.58	140	-32	3	29	2	-32	29	48	-32	-32	PG	52	-34	32	51	-35	-35	PG	52	-40	32	51	-35	-35	PG	52	-40		
NB	8102700	MCDONALDS CORNER CDA	66.00	45.78	38	-29	5	28	2	-29	28	47	-29	-29	PG	52	-34	32	51	-33	-33	PG	52	-34	32	51	-33	-33	PG	52	-34		
NB	8102800	MCGIVNEY	66.57	46.37	177	-31	4	28	2	-31	28	47	-31	-31	PG	52	-34	31	50	-34	-34	PG	52	-40	31	50	-34	-34	PG	52	-40		
NB	8102808	MCGRAW BROOK	66.12	46.82	53	-34	3	30	2	-34	30	48	-34	-34	PG	52	-34	33	51	-37	-37	PG	52	-40	33	51	-37	-37	PG	52	-40		
NB	8102975	MILLTOWN	67.30	45.17	16	-28	4	29	1	-28	29	48	-28	-28	PG	52	-28	31	50	-30	-30	PG	52	-34	31	50	-30	-30	PG	52	-34		
NB	8103000	MINTO	66.03	46.03	23	-31	3	29	1	-31	29	48	-31	-31	PG	52	-34	32	50	-34	-34	PG	52	-34	32	50	-34	-34	PG	52	-34		
NB	8103100	MONCTON	64.78	46.10	12	-29	3	29	2	-29	29	48	-29	-29	PG	52	-34	33	51	-33	-33	PG	52	-34	33	51	-33	-33	PG	52	-34		
NB	8103200	MONCTON A	64.68	46.12	71	-27	3	28	2	-27	28	47	-27	-27	PG	52	-28	31	50	-30	-30	PG	52	-34	31	50	-30	-30	PG	52	-34		
NB	8103400	MUSQUASH	66.33	45.20	15	-29	4	26	2	-29	26	45	-29	-29	PG	46	-34	29	48	-32	-32	PG	52	-34	29	48	-32	-32	PG	52	-34		
NB	8103500	NEPISIGUIT FALLS	65.78	47.40	106	-34	3	29	2	-34	29	47	-34	-34	PG	52	-34	33	51	-38	-38	PG	52	-40	33	51	-38	-38	PG	52	-40		
NB	8103800	OROMOCITO	66.47	45.83	46	-29	4	29	1	-29	29	48	-29	-29	PG	52	-34	32	50	-32	-32	PG	52	-34	32	50	-32	-32	PG	52	-34		
NB	8104300	RENOUS	65.80	46.80	46	-31	5	29	2	-31	29	47	-31	-31	PG	52	-34	33	51	-35	-35	PG	52	-40	33	51	-35	-35	PG	52	-40		
NB	8104400	REXTON	64.87	46.67	5	-30	3	29	2	-30	29	48	-30	-30	PG	52	-34	33	52	-34	-34	PG	52	-40	33	52	-34	-34	PG	52	-40		
NB	8104480	ROYAL ROAD	66.72	46.05	116	-33	3	29	1	-33	29	48	-33	-33	PG	52	-34	31	50	-35	-35	PG	52	-40	31	50	-35	-35	PG	52	-40		
NB	8104500	SACKVILLE	64.38	45.90	24	-25	3	26	2	-25	26	45	-25	-25	PG	46	-28	29	48	-28	-28	PG	52	-34	29	48	-28	-28	PG	52	-34		
NB	8104800	SAINT JOHN	66.08	45.28	30	-25	3	24	1	-25	24	43	-25	-25	PG	46	-28	27	46	-28	-28	PG	46	-28	27	46	-28	-28	PG	46	-28		
NB	8104900	SAINT JOHN A	65.88	45.32	109	-28	4	26	1	-28	26	45	-28	-28	PG	46	-28	29	48	-31	-31	PG	52	-34	29	48	-31	-31	PG	52	-34		
NB	8104938	SEARVILLE	65.70	45.72	61	-29	4	28	1	-29	28	47	-29	-29	PG	52	-34	30	49	-31	-31	PG	52	-34	30	49	-31	-31	PG	52	-34		
NB	8104600	ST ANDREWS	67.08	45.08	15	-24	3	27	2	-24	27	46	-24	-24	PG	52	-28	30	49	-27	-27	PG	52	-28	30	49	-27	-27	PG	52	-28		
NB	8104700	ST GEORGE	66.83	45.13	34	-28	4	26	2	-28	26	45	-28	-28	PG	46	-28	29	48	-31	-31	PG	52	-34	29	48	-31	-31	PG	52	-34		
NB	8105200	SUSSEX	65.53	45.72	21	-32	4	28	2	-32	28	47	-32	-32	PG	52	-34	32	51	-36	-36	PG	52	-40	32	51	-36	-36	PG	52	-40		
NB	8105551	UPSALQUITCH LAKE	66.42	47.45	625	-31	4	24	3	-31	24	42	-31	-31	PG	46	-34	31	49	-38	-38	PG	52	-40	31	49	-38	-38	PG	52	-40		
NB	8105568	WIGGINS POINT	66.00	45.92	15	-28	6	28	2	-28	28	47	-28	-28	PG	52	-28	32	50	-32	-32	PG	52	-34	32	50	-32	-32	PG	52	-34		
NB	8105600	WOODSTOCK	67.58	46.15	55	-34	4	30	2	-34	30	49	-34	-34	PG	52	-34	35	53	-39	-39	PG	58	-40	35	53	-39	-39	PG	58	-40		
NF	8400100	ARGENTIA A	54.00	47.30	14	-15	3	20	1	-15	20	39	-15	-15	PG	<46	-16	23	41	-18	-18	PG	46	-22	23	41	-18	-18	PG	46	-22		
NF	8400350	BAIE VERTE	56.18	49.98	110	-26	4	25	2	-26	25	43	-26	-26	PG	46	-28	29	47	-30	-30	PG	52	-34	29	47	-30	-30	PG	52	-34		
NF	8500398	BATILE HARBOUR LOR	55.40	52.25	9	-27	4	18	2	-27	18	35	-27	-27	PG	<46	-28	22	39	-31	-31	PG	<46	-34	22	39	-31	-31	PG	<46	-34		
NF	8500400	BATILE HARBOUR MARYS R	55.83	52.32	6	-31	3	10	3	-31	10	27	-31	-31	PG	<46	-34	16	33	-37	-37	PG	<46	-40	16	33	-37	-37	PG	<46	-40		
NF	8400413	BAY D'ESPOIR GEN STN	55.80	47.98	23	-26	5	25	1	-26	25	43	-26	-26	PG	46	-28	27	45	-28	-28	PG	46	-34	27	45	-28	-28	PG	46	-34		
NF	8500500	BELLE ISLE	55.38	51.88	130	-28	4	16	2	-28	16	33	-28	-28	PG	46	-28	20	37	-32	-32	PG	46	-34	20	37	-32	-32	PG	46	-34		
NF	8400600	BONA VISTA	53.12	48.67	25	-18	3	24	2	-18	24	42	-18	-18	PG	46	-22	27	45	-21	-21	PG	46	-22	27	45	-21	-21	PG	46	-22		
NF	8400650	BOTWOOD	55.35	49.15	15	-25	5	27	3	-25	27	45	-25	-25	PG	46	-28	32	50	-30	-30	PG	52	-34	32	50	-30	-30	PG	52	-34		
NF	8400698	BUCHANAN	56.87	48.83	280	-24	4	25	3	-24	25	43	-24	-24	PG	46	-28	31	49	-30	-30	PG	52	-34	31	49	-30	-30	PG	52	-34		
NF	8400700	BUCHANAN A	56.83	48.85	276	-26	6	25	2	-26	25	43	-26	-26	PG	46	-28	28	46	-29	-29	PG	46	-34	28	46	-29	-29	PG	46	-34		
NF	8400798	BURGOE	57.62	47.62	12	-19	4	20	1	-19	20	39	-19	-19	PG	<46	-22	22	41	-21	-21	PG	46	-22	22	41	-21	-21	PG	46	-22		

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY										
						TEMPERATURES			GRADE			TEMPERATURES			GRADE							
						AVG	STD	HIGH	TEMP	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT
NF	8400800	BURGEO 2	57.62	47.62	12	-18	3	20	1	20	39	-18	-18	PG	<46	-22	22	41	-20	PG	46	-22
NF	8400810	BURIN	55.17	47.00	15	-18	5	21	3	21	40	-18	-18	PG	<46	-22	26	45	-23	PG	46	-28
NF	8401000	CAPE RACE (AUT)	53.07	46.65	27	-19	4	19	2	19	38	-19	-19	PG	<46	-22	23	42	-23	PG	46	-28
NF	8501100	CARTWRIGHT	57.03	53.70	14	-31	3	24	2	24	40	-31	-31	PG	46	-34	28	44	-35	PG	46	-40
NF	8401125	CHANNEL	59.15	47.62	15	-19	4	21	2	21	40	-19	-19	PG	<46	-22	25	44	-23	PG	46	-28
NF	8501132	CHURCHILL FALLS A	64.10	53.55	440	-40	3	24	2	24	40	-40	-40	PG	46	-40	27	43	-43	PG	46	-46
NF	8401200	COLINET	53.55	47.22	27	-21	3	22	1	22	41	-21	-21	PG	46	-22	24	43	-23	PG	46	-28
NF	8401259	COMFORT COVE	54.88	49.27	96	-23	3	26	2	26	44	-23	-23	PG	46	-28	29	47	-26	PG	52	-28
NF	8401300	CORNER BROOK	57.95	48.95	5	-22	4	26	2	26	44	-22	-22	PG	46	-22	30	47	-26	PG	52	-28
NF	8401400	DANIELS HARBOUR	57.58	50.23	18	-24	5	20	1	20	38	-24	-24	PG	<46	-28	22	40	-26	PG	<46	-28
NF	8401500	DEER LAKE	57.43	49.17	11	-28	4	26	1	26	44	-28	-28	PG	46	-28	29	46	-31	PG	52	-34
NF	8401501	DEER LAKE A	57.40	49.22	22	-30	4	27	1	27	45	-30	-30	PG	46	-34	30	47	-33	PG	52	-34
NF	8401550	EXPLOITS DAM	56.60	48.77	154	-28	4	25	2	25	43	-28	-28	PG	46	-28	28	46	-31	PG	46	-34
NF	8401600	FOGO	54.28	49.72	147	-21	5	23	2	23	41	-21	-21	PG	46	-22	27	44	-25	PG	46	-28
NF	8401700	GANDER INT'L A	54.57	48.95	151	-22	3	26	2	26	44	-22	-22	PG	46	-22	29	47	-25	PG	52	-28
NF	8401800	GLENWOOD	54.87	49.00	30	-27	4	27	2	27	45	-27	-27	PG	46	-28	30	48	-30	PG	52	-34
NF	8501900	GOOSE A	60.42	53.32	46	-34	2	26	2	26	42	-34	-34	PG	46	-34	29	45	-37	PG	46	-40
NF	8402000	GRAND BANK	55.77	47.10	2	-15	3	21	3	21	40	-15	-15	PG	<46	-16	27	46	-21	PG	46	-22
NF	8402050	GRAND FALLS	55.67	48.93	60	-26	4	27	2	27	45	-26	-26	PG	46	-28	30	48	-30	PG	52	-34
NF	8402080	HEARTS CONTENT	53.38	47.87	5	-18	5	24	2	24	42	-18	-18	PG	46	-22	28	46	-22	PG	52	-34
NF	8402309	HOLYROOD GEN STN	53.10	47.45	6	-19	4	25	1	25	43	-19	-19	PG	46	-22	27	45	-21	PG	46	-22
NF	8402310	HOLYROOD ULTRAMAR	53.13	47.38	7	-18	3	24	3	24	43	-18	-18	PG	46	-22	29	47	-23	PG	52	-28
NF	8502400	HOPEDALE (AUT)	60.22	55.45	10	-32	3	20	2	20	36	-32	-32	PG	<46	-34	23	39	-35	PG	<46	-40
NF	8402568	LOGY BAY	52.67	47.62	27	-20	4	25	2	25	43	-20	-20	PG	46	-22	28	46	-23	PG	52	-28
NF	8402569	LONG HARBOUR	53.82	47.42	8	-20	4	22	1	22	41	-20	-20	PG	46	-22	24	43	-22	PG	46	-28
NF	8502800	NAIN A	61.68	56.55	6	-33	4	21	4	21	36	-33	-33	PG	<46	-34	28	43	-40	PG	46	-46
NF	8402840	NEW CHELSEA	53.22	48.03	9	-18	3	24	2	24	42	-18	-18	PG	46	-22	27	45	-21	PG	46	-22
NF	8402975	PORT AUX BASQUES	59.17	47.57	40	-19	4	20	1	20	39	-19	-19	PG	<46	-22	22	41	-21	PG	46	-22
NF	8403085	RATLING BRK NORRIS ARM	55.30	49.07	9	-27	4	28	2	28	46	-27	-27	PG	46	-28	31	49	-30	PG	52	-34
NF	8403650	SEAL COVE	53.07	47.45	23	-19	3	25	1	25	43	-19	-19	PG	46	-22	28	46	-22	PG	52	-22
NF	8403700	SPRINGDALE	56.08	49.50	23	-29	5	27	1	27	45	-29	-29	PG	46	-34	30	47	-32	PG	52	-34
NF	8403300	ST ANDREWS	59.33	47.77	11	-19	3	22	1	22	40	-19	-19	PG	46	-22	24	43	-21	PG	46	-22
NF	8403400	ST ANTHONY	55.58	51.37	17	-25	7	22	2	22	39	-25	-25	PG	<46	-28	25	42	-28	PG	46	-22
NF	8403401	ST ANTHONY	55.63	51.37	105	-28	3	21	3	21	38	-28	-28	PG	<46	-28	26	43	-33	PG	46	-34
NF	8403448	ST GEORGES	58.50	48.42	0	-24	4	23	2	23	41	-24	-24	PG	46	-28	26	44	-27	PG	46	-28
NF	8403500	ST JOHN'S	52.70	47.57	38	-20	4	24	3	24	42	-20	-20	PG	46	-22	29	47	-25	PG	52	-28
NF	8403506	ST JOHN'S A	52.73	47.62	133	-19	3	24	1	24	42	-19	-19	PG	46	-22	27	45	-22	PG	46	-22
NF	8403600	ST JOHN'S WEST CDA	52.78	47.52	114	-19	3	24	1	24	42	-19	-19	PG	46	-22	27	45	-22	PG	46	-22
NF	8403615	ST LAWRENCE	55.38	46.92	46	-18	3	19	2	19	38	-18	-18	PG	<46	-22	22	41	-21	PG	46	-22
NF	8403800	STEPHENVILLE A	58.55	48.53	8	-21	3	23	1	23	41	-21	-21	PG	46	-22	25	43	-23	PG	46	-28
NF	8403852	TERRA NOVA NAT PARK HQ	53.97	48.55	46	-22	4	26	2	26	44	-22	-22	PG	46	-22	30	48	-26	PG	52	-28
NF	8504175	WABUSH LAKE A	66.87	52.93	550	-42	3	24	2	24	40	-42	-42	PG	46	-46	28	44	-46	PG	46	-46
NS	8200100	ANNAPOLIS ROYAL	65.52	44.75	8	-21	3	27	1	27	46	-21	-21	PG	52	-22	30	49	-24	PG	52	-28

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE
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PRV	COUNTY	STATION	LONG	LAT	ELEV meters	LOW TEMP				HIGH TEMP				50% RELIABILITY								98% RELIABILITY							
						AVG		STD		AVG		STD		TEMPERATURES				GRADE				TEMPERATURES				GRADE			
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT						
NS	8200150	ANTIGONISH	61.97	45.63	9	-26	6	28	2	28	2	28	47	-26	-26	28	47	-26	-26	PG	52	-28	PG	52	-34				
NS	8200250	BACCARO	65.47	43.47	3	-17	3	20	1	20	1	20	40	-17	-17	20	40	-17	-17	PG	<46	-22	PG	46	-22				
NS	8200300	BADDECK	60.75	46.10	8	-22	5	27	2	27	2	27	46	-22	-22	27	46	-22	-22	PG	46	-22	PG	52	-28				
NS	8200600	BRIDGEWATER	64.55	44.40	27	-26	3	29	2	29	2	29	48	-26	-26	29	48	-26	-26	PG	52	-28	PG	52	-34				
NS	8200700	CAPE SABLE	65.62	43.38	3	-15	3	17	1	17	1	17	37	-15	-15	17	37	-15	-15	PG	<46	-16	PG	<46	-22				
NS	8200800	CHAIN LAKE	63.63	44.63	59	-24	4	27	2	27	2	27	46	-24	-24	27	46	-24	-24	PG	52	-28	PG	52	-28				
NS	8200825	CHEVICAMP	60.95	46.65	11	-21	4	26	1	26	1	26	45	-21	-21	26	45	-21	-21	PG	46	-22	PG	52	-28				
NS	8200860	CLARENCE	65.17	44.92	52	-23	2	28	1	28	1	28	47	-23	-23	28	47	-23	-23	PG	52	-28	PG	52	-28				
NS	8200875	CLEMENTSVALE	65.57	44.62	107	-24	3	27	1	27	1	27	46	-24	-24	28	46	-24	-24	PG	52	-28	PG	52	-28				
NS	8201000	COLLEGEVILLE	62.02	45.48	76	-28	4	28	2	28	2	28	47	-28	-28	27	47	-28	-28	PG	52	-28	PG	52	-34				
NS	8201100	COPPER LAKE	61.97	45.38	97	-27	3	27	2	27	2	27	46	-27	-27	27	46	-27	-27	PG	52	-28	PG	52	-34				
NS	8201410	DEMING	61.18	45.22	16	-21	3	21	1	21	1	21	40	-21	-21	21	40	-21	-21	PG	46	-22	PG	46	-28				
NS	8201600	DIGBY	65.75	44.62	12	-18	3	25	1	25	1	25	44	-18	-18	25	44	-18	-18	PG	46	-22	PG	52	-22				
NS	8201605	DIGBY PRIM POINT	65.78	44.68	21	-18	3	25	1	25	1	25	44	-18	-18	25	44	-18	-18	PG	46	-22	PG	52	-22				
NS	8201700	ECUM SECUM	62.18	44.98	15	-24	3	22	1	22	1	22	41	-24	-24	22	41	-24	-24	PG	46	-28	PG	46	-28				
NS	8202000	GREENWOOD A	64.92	44.98	28	-24	3	29	2	29	2	29	48	-24	-24	29	48	-24	-24	PG	52	-28	PG	52	-28				
NS	8202200	HALIFAX	63.57	44.65	32	-19	3	26	1	26	1	26	45	-19	-19	26	45	-19	-19	PG	46	-22	PG	52	-22				
NS	8202198	HALIFAX	63.60	44.65	30	-22	3	27	2	27	2	27	46	-22	-22	27	46	-22	-22	PG	52	-22	PG	52	-28				
NS	8202220	HALIFAX CITADEL	63.58	44.65	70	-20	3	26	1	26	1	26	45	-20	-20	26	45	-20	-20	PG	46	-22	PG	52	-28				
NS	8202250	HALIFAX INT'L A	63.52	44.88	126	-22	3	27	1	27	1	27	46	-22	-22	27	46	-22	-22	PG	52	-22	PG	52	-28				
NS	8202500	INGONISH BEACH	60.40	46.67	8	-21	3	27	2	27	2	27	46	-21	-21	27	46	-21	-21	PG	46	-22	PG	52	-28				
NS	8202590	KEJIMIKUJIK PARK	65.20	44.43	127	-26	3	28	1	28	1	28	47	-26	-26	28	47	-26	-26	PG	52	-28	PG	52	-34				
NS	8202800	KENTVILLE CDA	64.48	45.07	49	-24	3	29	2	29	2	29	48	-24	-24	29	48	-24	-24	PG	52	-28	PG	52	-28				
NS	8203001	LIVERPOOL	64.67	44.07	15	-25	5	28	1	28	1	28	47	-25	-25	28	47	-25	-25	PG	52	-28	PG	52	-28				
NS	8203000	LIVERPOOL	64.72	44.05	5	-20	3	27	2	27	2	27	46	-20	-20	27	46	-20	-20	PG	52	-22	PG	52	-28				
NS	8203100	LIVERPOOL BIG FALLS	64.93	44.13	50	-25	3	29	1	29	1	29	48	-25	-25	29	48	-25	-25	PG	52	-28	PG	52	-28				
NS	8203120	LIVERPOOL MILTON	64.77	44.08	29	-23	3	29	1	29	1	29	48	-23	-23	29	48	-23	-23	PG	52	-28	PG	52	-28				
NS	8203165	LOWER MEAGHERS GRANT	63.23	44.92	41	-25	4	28	1	28	1	28	47	-25	-25	28	47	-25	-25	PG	52	-28	PG	52	-28				
NS	8203500	METEGHAN RIVER	66.13	44.27	15	-17	3	23	1	23	1	23	43	-17	-17	23	43	-17	-17	PG	46	-22	PG	46	-22				
NS	8203535	MIDDLE MUSQUODOBOIT	63.13	45.05	50	-27	4	28	2	28	2	28	47	-27	-27	28	47	-27	-27	PG	52	-28	PG	52	-34				
NS	8203600	MOUNT UNIAKKE	63.83	44.90	158	-27	3	27	2	27	2	27	46	-27	-27	27	46	-27	-27	PG	52	-28	PG	52	-34				
NS	8203700	NAPPAN CDA	64.25	45.77	20	-28	5	27	2	27	2	27	46	-28	-28	27	46	-28	-28	PG	46	-28	PG	52	-34				
NS	8204151	NORTHEAST MARGAREE	61.00	46.35	31	-27	5	27	2	27	2	27	46	-27	-27	27	46	-27	-27	PG	46	-28	PG	52	-34				
NS	8204200	OXFORD	63.87	45.73	13	-31	4	29	1	29	1	29	48	-31	-31	29	48	-31	-31	PG	52	-34	PG	52	-34				
NS	8204400	PARRSBORO	64.33	45.40	24	-27	3	26	2	26	2	26	45	-27	-27	26	45	-27	-27	PG	52	-34	PG	52	-34				
NS	8204420	PICTOU	62.68	45.70	24	-25	3	27	1	27	1	27	46	-25	-25	27	46	-25	-25	PG	46	-28	PG	52	-28				
NS	8204450	PLEASANT BAY GRAND ANSE	60.77	46.82	29	-21	4	26	2	26	2	26	45	-21	-21	26	45	-21	-21	PG	46	-22	PG	52	-28				
NS	8204480	PORT HASTINGS	61.40	45.63	23	-21	4	27	2	27	2	27	46	-21	-21	27	46	-21	-21	PG	46	-22	PG	52	-28				
NS	8204500	PORT HOOD	61.53	45.98	27	-20	4	26	2	26	2	26	45	-20	-20	26	45	-20	-20	PG	46	-22	PG	52	-28				
NS	8204565	RIVER DENYS	61.22	45.80	27	-26	5	28	2	28	2	28	47	-26	-26	28	47	-26	-26	PG	52	-28	PG	52	-34				
NS	8204600	ROSEWAY	65.35	43.78	15	-23	3	27	2	27	2	27	47	-23	-23	27	47	-23	-23	PG	52	-28	PG	52	-28				
NS	8204700	SABLE ISLAND	60.02	43.93	4	-13	2	22	1	22	1	22	42	-13	-13	22	42	-13	-13	PG	46	-16	PG	46	-16				
NS	8205000	SALMON HOLE	64.03	44.93	84	-26	4	28	2	28	2	28	47	-26	-26	28	47	-26	-26	PG	52	-28	PG	52	-34				

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						LOW TEMP			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT
						AVG	STD	HIGH	AVG	STD	MIN	MAX	AVG	MIN	MAX	AVG	MIN		
NS	8205070	SAULNIERVILLE	66.12	44.27	46	-18	2	23	1		23	43	-18	-18	25	45	-20	PG	46
NS	8205090	SAULNIERVILLE	63.50	44.63	51	-21	3	25	1		25	44	-21	-21	27	47	-23	PG	52
NS	8205120	SHEARWATER A	64.50	45.13	30	-23	2	28	2		28	47	-23	-23	31	50	-26	PG	52
NS	8205200	SHEFFIELD MILLS	64.85	44.67	167	-22	4	28	2		28	47	-22	-22	32	51	-26	PG	52
NS	8204800	SPRINGFIELD	63.90	44.70	17	-25	3	26	1		26	45	-25	-25	29	48	-28	PG	52
NS	8204900	ST MARGARET'S BAY	60.15	47.20	32	-18	4	22	2		22	41	-18	-18	26	45	-22	PG	46
NS	8205401	ST PAUL ISLAND	62.65	45.57	11	-28	4	28	1		28	47	-28	-28	31	49	-31	PG	52
NS	8205600	STELLARTON LOURDES	62.00	45.18	17	-29	4	27	2		27	46	-29	-29	30	49	-32	PG	52
NS	8205601	STILLWATER	61.98	45.15	14	-27	5	27	2		27	46	-27	-27	30	49	-30	PG	52
NS	8205650	STILLWATER SHERBROOKE	64.18	45.12	38	-22	3	27	1		27	46	-22	-22	29	48	-24	PG	52
NS	8205698	SUMMERVILLE	60.20	46.15	15	-25	4	27	2		27	46	-25	-25	30	49	-28	PG	52
NS	8205700	SYDNEY	60.05	46.17	55	-21	3	27	1		27	46	-21	-21	30	49	-24	PG	52
NS	8205900	SYDNEY A	62.67	45.28	152	-29	3	27	2		27	46	-29	-29	30	49	-32	PG	52
NS	8205988	TRAFALGAR	63.30	45.35	12	-29	3	27	2		27	46	-29	-29	30	49	-32	PG	52
NS	8205990	TRURO	63.27	45.37	40	-27	3	27	3		27	46	-27	-27	32	51	-32	PG	52
NS	8206000	TRURO NSAC	63.30	45.37	23	-28	4	27	2		27	46	-28	-28	31	50	-32	PG	52
NS	8206200	UPPER STEWACKE	63.00	45.22	23	-29	5	28	2		28	47	-29	-29	31	50	-32	PG	52
NS	8206250	WESTPHAL	63.52	44.68	68	-22	6	26	1		26	45	-22	-22	28	48	-24	PG	52
NS	8206275	WEYMOUTH FALLS	65.95	44.40	11	-21	3	26	1		26	45	-21	-21	28	47	-23	PG	52
NS	8206300	WHITEHEAD	61.18	45.22	14	-21	3	22	2		22	41	-21	-21	26	45	-25	PG	46
NS	8206405	WINDSOR FALMOUTH	64.17	44.98	15	-23	4	28	2		28	47	-23	-23	32	51	-27	PG	52
NS	8206410	WINDSOR KINGS COLLEGE	64.10	44.98	27	-24	3	28	2		28	47	-24	-24	32	51	-27	PG	52
NS	8206440	WOLFVILLE	64.37	45.10	41	-22	3	28	2		28	47	-22	-22	32	51	-26	PG	52
NS	8206490	YARMOUTH	66.03	43.83	31	-18	2	23	1		23	43	-18	-18	25	45	-20	PG	46
NS	8206500	YARMOUTH A	66.08	43.83	43	-17	2	23	1		23	43	-17	-17	25	45	-19	PG	46
NT	2200100	AKLAVIK A	135.00	68.22	7	-47	2	23	2		23	32	-47	-47	27	36	-51	PG	<46
NT	2400300	ALERT	62.33	82.50	62	-46	2	11	2		11	11	-46	-46	16	15	-51	PG	<46
NT	2400400	ARCTIC BAY	85.15	73.03	11	-44	3	12	4		12	18	-44	-44	19	25	-51	PG	<46
NT	2300500	BAKER LAKE A	96.08	64.30	18	-46	2	20	3		20	31	-46	-46	26	37	-52	PG	<46
NT	2400570	BROUGHTON ISLAND	63.78	67.53	587	-38	2	11	3		11	21	-38	-38	17	26	-44	PG	<46
NT	2500595	BYRON BAY A	109.07	68.75	112	-46	2	17	2		17	26	-46	-46	21	29	-50	PG	<46
NT	2500600	CAMBRIDGE BAY A	105.12	69.10	23	-47	2	16	4		16	25	-47	-47	24	32	-55	PG	<46
NT	2400654	CAPE DYER A	61.62	66.58	393	-42	3	12	2		12	22	-42	-42	17	27	-47	PG	<46
NT	2400660	CAPE HOOPER	66.80	68.47	401	-38	2	12	3		12	21	-38	-38	17	26	-43	PG	<46
NT	2200675	CAPE PARRY A	124.68	70.17	17	-42	2	14	2		14	22	-42	-42	19	27	-47	PG	<46
NT	2200690	CAPE YOUNG A	116.92	68.93	18	-44	2	17	3		17	26	-44	-44	22	31	-49	PG	<46
NT	2300700	CHESTERFIELD	90.72	63.33	6	-45	3	18	3		18	30	-45	-45	23	35	-50	PG	<46
NT	2200750	CLINTON POINT	120.80	69.58	101	-41	3	17	2		17	25	-41	-41	22	30	-46	PG	<46
NT	2400800	CLYDE A	68.52	70.48	25	-43	3	12	3		12	20	-43	-43	17	25	-48	PG	<46
NT	2200850	CONTOYTO LAKE	110.37	65.48	451	-46	3	19	2		19	30	-46	-46	23	34	-50	PG	<46
NT	2200900	COPPERMINE	115.12	67.83	9	-45	3	19	3		19	28	-45	-45	26	35	-52	PG	<46
NT	2301000	CORAL HARBOUR A	83.37	64.20	64	-46	3	17	3		17	28	-46	-46	23	34	-52	PG	<46
NT	2401030	DEWAR LAKES	71.17	68.65	518	-44	3	13	3		13	22	-44	-44	18	27	-49	PG	<46

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES						TEMPERATURES						PG	HT
						AVG	STD	LOW	TEMP	HIGH	TEMP	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT		
						AVG	STD	AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	PG	HT
NT	2401200	EUREKA	85.93	79.98	10	-51	2	12	2	12	2	27	37	-51	-51	16	17	PG	<46
NT	2201500	FORT GOOD HOPE 2	128.63	66.25	42	-51	3	27	3	27	3	27	37	-51	-51	33	42	PG	<46
NT	2201800	FORT PROVIDENCE	117.67	61.33	159	-46	3	27	5	27	5	27	39	-46	-46	36	48	PG	<52
NT	2201900	FORT RELIANCE	109.17	62.72	164	-46	3	23	4	23	4	23	35	-46	-46	30	42	PG	<52
NT	2202000	FORT RESOLUTION A	113.68	61.18	164	-43	3	25	3	25	3	25	38	-43	-43	30	42	PG	<46
NT	2202100	FORT SIMPSON	121.35	61.87	132	-46	4	27	2	27	2	27	39	-46	-46	31	43	PG	<46
NT	2202101	FORT SIMPSON A	121.23	61.75	168	-46	3	28	2	28	2	28	40	-46	-46	32	44	PG	<46
NT	2202200	FORT SMITH A	111.95	60.02	203	-45	5	27	2	27	2	27	40	-45	-45	32	45	PG	<46
NT	2402340	GLADMAN POINT A	97.80	68.67	25	-48	2	16	2	16	2	16	25	-48	-48	21	29	PG	<46
NT	2402350	HALL BEACH A	81.25	68.78	8	-47	2	13	2	13	2	13	22	-47	-47	18	26	PG	<46
NT	2202398	HAY RIVER	115.95	60.85	161	-47	3	25	4	25	4	25	38	-47	-47	32	44	PG	<46
NT	2202400	HAY RIVER A	115.78	60.83	164	-44	3	26	2	26	2	26	39	-44	-44	30	43	PG	<46
NT	2502500	HOLMAN	117.78	70.73	9	-42	3	17	3	17	3	17	25	-42	-42	22	30	PG	<46
NT	2202570	INUUVIK A	133.48	68.30	59	-48	3	25	2	25	2	25	34	-48	-48	29	37	PG	<46
NT	2402590	IGALUIT A	68.53	63.75	34	-42	2	16	2	16	2	16	28	-42	-42	20	32	PG	<46
NT	2502600	ISACHSEN	103.53	78.78	25	-50	2	9	3	9	3	9	12	-50	-50	15	17	PG	<46
NT	2302650	JENNY LIND ISLAND A	101.73	68.65	37	-46	2	13	2	13	2	13	22	-46	-46	16	25	PG	<46
NT	2202680	LADY FRANKLIN POINT A	113.22	68.50	21	-43	2	14	2	14	2	14	23	-43	-43	18	27	PG	<46
NT	2402681	LAKE HARBOUR	69.92	62.83	16	-38	4	15	4	15	4	15	27	-38	-38	23	35	PG	<46
NT	2402684	LONGSTAFF BLUFF	75.15	68.90	162	-44	3	15	2	15	2	15	24	-44	-44	19	28	PG	<46
NT	2402686	MACKAY INLET	85.67	68.30	395	-46	2	14	2	14	2	14	23	-46	-46	19	28	PG	<46
NT	2502700	MOULD BAY A	119.33	76.23	15	-48	3	10	4	10	4	10	14	-48	-48	19	23	PG	<46
NT	2202750	NICHOLSON PENINSULA	128.97	69.93	98	-44	2	19	3	19	3	19	27	-44	-44	24	32	PG	<46
NT	2202800	NORMAN WELLS A	126.80	65.28	67	-46	3	27	2	27	2	27	37	-46	-46	31	41	PG	<46
NT	2402900	NOTINGHAM ISLAND	77.93	63.12	16	-38	2	13	3	13	3	13	25	-38	-38	18	30	PG	<46
NT	2303090	PELLY BAY	89.72	68.43	322	-47	3	15	3	15	3	15	24	-47	-47	21	29	PG	<46
NT	2403200	POND INLET	77.98	72.68	4	-47	3	11	3	11	3	11	18	-47	-47	18	24	PG	<46
NT	2403500	RESOLUTE A	94.98	74.72	67	-46	3	10	3	10	3	10	15	-46	-46	16	21	PG	<46
NT	2403600	RESOLUTION ISLAND	64.88	61.30	39	-31	3	8	2	8	2	8	21	-31	-31	12	25	PG	<46
NT	2503650	SACHS HARBOUR A	125.27	72.00	87	-46	3	14	3	14	3	14	21	-46	-46	22	30	PG	<46
NT	2303685	SHEPHERD BAY A	93.43	68.82	51	-52	3	17	2	17	2	17	26	-52	-52	22	30	PG	<46
NT	2403800	SPENCE BAY	93.52	69.53	12	-48	3	14	4	14	4	14	23	-48	-48	22	30	PG	<46
NT	2203910	TUKTOYAKTUK	133.00	69.45	18	-43	3	20	2	20	2	20	28	-43	-43	25	33	PG	<46
NT	2203912	TUKTOYAKTUK A	133.03	69.43	5	-43	5	21	2	21	2	21	29	-43	-43	26	34	PG	<46
NT	2203922	TUNGSTEN	128.25	61.95	1143	-43	3	21	4	21	4	21	33	-43	-43	29	41	PG	<46
NT	2204100	YELLOWKNIFE A	114.45	62.47	205	-45	3	25	2	25	2	25	37	-45	-45	29	41	PG	<46
NT	2204200	YELLOWKNIFE HYDRO	114.25	62.67	159	-46	3	25	2	25	2	25	37	-46	-46	29	41	PG	<46
ON	6070027	ABITIBI CANYON	81.57	49.88	204	-42	3	29	2	29	2	29	46	-42	-42	32	49	PG	<46
ON	6040081	AGUASABON	87.17	48.78	189	-35	3	22	2	22	2	22	40	-35	-35	25	43	PG	<46
ON	6150103	ALBION FIELD CENTRE	79.83	43.92	282	-30	4	30	2	30	2	30	49	-30	-30	33	53	PG	<46
ON	6080189	ALGONQUIN PARK	78.55	45.58	432	-38	3	29	2	29	2	29	48	-38	-38	33	52	PG	<46
ON	6100226	ALMONTE	76.23	45.18	125	-32	6	31	2	31	2	31	50	-32	-32	35	54	PG	<46
ON	6150243	ALTON	80.08	43.85	401	-28	4	30	2	30	2	30	49	-28	-28	34	53	PG	<46

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY									
						TEMPERATURES					GRADE					TEMPERATURES					GRADE				
						LOW AVG	TEMP STD	HIGH AVG	TEMP STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT		
ON 6110270	ANGUS	79.87	44.32	191	-33	4	32	2	32	51	-33	-33	PG	52	-34	36	55	-37	-37	PG	58	-40			
ON 6160297	APSLEY	78.08	44.77	274	-36	4	31	2	31	50	-36	-36	PG	52	-40	35	54	-40	-40	PG	58	-46			
ON 6120315	ARKONA	81.92	43.03	183	-27	4	30	3	30	50	-27	-27	PG	52	-28	37	56	-34	-34	PG	58	-34			
ON 6040325	ARMSTRONG A	88.90	50.28	320	-44	3	28	2	28	45	-44	-44	PG	46	-46	31	49	-47	-47	PG	52	-52			
ON 6100345	ARNPRIOR GRANDON	76.37	45.42	107	-33	3	30	2	30	49	-33	-33	PG	52	-34	33	52	-36	-36	PG	52	-40			
ON 6140348	ARTHUR	80.57	43.82	452	-27	3	27	4	27	47	-27	-27	PG	52	-28	36	55	-36	-36	PG	58	-40			
ON 6020379	ATIUKOKAN	91.62	48.75	395	-41	3	28	2	28	46	-41	-41	PG	46	-46	31	49	-44	-44	PG	52	-46			
ON 6020381	ATIUKOKAN CLI	91.63	48.73	391	-43	6	30	3	30	48	-43	-43	PG	52	-46	35	53	-48	-48	PG	58	-52			
ON 6130409	AYLMER	80.98	42.77	229	-21	4	30	2	30	50	-21	-21	PG	52	-22	33	53	-24	-24	PG	58	-28			
ON 6100493	BARK LAKE DAM	77.80	45.42	335	-31	7	28	2	28	47	-31	-31	PG	52	-34	32	51	-35	-35	PG	52	-40			
ON 6110661	BEEFON	79.78	44.10	233	-28	4	31	2	31	50	-28	-28	PG	52	-28	35	54	-32	-32	PG	58	-34			
ON 6150689	BELLEVILLE	77.40	44.15	76	-28	4	30	3	30	49	-28	-28	PG	52	-28	35	54	-32	-32	PG	58	-34			
ON 6150717	BELLEVILLE PAR LAB	77.35	44.17	88	-28	5	31	2	31	50	-28	-28	PG	52	-28	35	54	-32	-32	PG	58	-34			
ON 6100720	BELLROCK	76.77	44.48	146	-33	5	30	2	30	49	-33	-33	PG	52	-34	33	52	-36	-36	PG	58	-40			
ON 6110731	BIG CHUTE	79.67	44.88	190	-33	5	30	2	30	49	-33	-33	PG	52	-34	33	52	-36	-36	PG	58	-40			
ON 6010738	BIG TROUT LAKE	89.87	53.83	219	-42	3	26	2	26	42	-42	-42	PG	46	-46	30	45	-46	-46	PG	46	-46			
ON 6110745	BINGHAM CHUTE	79.40	46.08	242	-38	4	30	2	30	49	-38	-38	PG	52	-40	35	53	-43	-43	PG	58	-46			
ON 6060773	BISCOTASING	82.10	47.30	407	-41	4	28	2	28	46	-41	-41	PG	52	-46	32	51	-45	-45	PG	52	-46			
ON 6150815	BLOOMFIELD	77.22	43.98	91	-28	3	30	2	30	49	-28	-28	PG	52	-28	34	53	-32	-32	PG	58	-34			
ON 6120819	BLYTH	81.38	43.72	351	-27	3	30	2	30	49	-27	-27	PG	52	-28	33	52	-30	-30	PG	58	-34			
ON 6150830	BOWMANVILLE MOSTERT	78.67	43.92	99	-27	4	29	2	29	48	-27	-27	PG	52	-28	32	51	-30	-30	PG	52	-34			
ON 6150913	BRAMPTON	79.77	43.70	221	-27	4	31	2	31	50	-27	-27	PG	52	-28	35	54	-31	-31	PG	58	-34			
ON 6150916	BRAMPTON MOE	79.70	43.67	183	-23	6	31	2	31	50	-23	-23	PG	52	-28	34	54	-26	-26	PG	58	-28			
ON 6140941	BRANTFORD	80.27	43.13	206	-25	4	32	3	32	51	-25	-25	PG	52	-28	39	58	-32	-32	PG	58	-34			
ON 6140954	BRANTFORD MOE	80.23	43.13	196	-24	3	31	2	31	51	-24	-24	PG	52	-28	34	54	-27	-27	PG	58	-34			
ON 6100969	BROCKVILLE	75.70	44.60	91	-30	4	30	2	30	49	-30	-30	PG	52	-34	34	53	-34	-34	PG	58	-34			
ON 6100971	BROCKVILLE PCC	75.67	44.60	91	-28	4	28	2	28	47	-28	-28	PG	52	-28	31	50	-31	-31	PG	52	-34			
ON 6121025	BRUCEFIELD	81.55	43.55	259	-26	4	30	2	30	49	-26	-26	PG	52	-28	34	53	-30	-30	PG	58	-34			
ON 6151042	BURKETON MCLAUGHLIN	78.80	44.03	312	-28	4	28	2	28	47	-28	-28	PG	52	-28	31	50	-31	-31	PG	52	-34			
ON 6111045	BURKS FALLS	79.57	45.60	320	-40	3	28	2	28	47	-40	-40	PG	52	-40	31	50	-43	-43	PG	52	-46			
ON 6151053	BURLINGTON	79.80	43.35	105	-22	3	32	2	32	51	-22	-22	PG	52	-22	36	55	-26	-26	PG	58	-28			
ON 6151064	BURLINGTON TS	79.83	43.33	99	-23	3	31	3	31	50	-23	-23	PG	52	-28	36	56	-28	-28	PG	58	-34			
ON 6131081	CALEDONIA	79.95	43.08	206	-24	4	31	2	31	51	-24	-24	PG	52	-28	35	55	-28	-28	PG	58	-34			
ON 6141095	CAMBRIDGE GALT MOE	80.32	43.33	268	-25	5	31	2	31	50	-25	-25	PG	52	-28	36	55	-30	-30	PG	58	-34			
ON 6041109	CAMERON FALLS	88.35	49.15	229	-37	3	27	2	27	45	-37	-37	PG	46	-40	31	49	-41	-41	PG	52	-46			
ON 6131165	CANBORO	79.58	42.97	183	-24	4	30	2	30	50	-24	-24	PG	52	-28	33	53	-27	-27	PG	58	-28			
ON 6101265	CATARAQUITS	76.62	44.37	145	-30	3	30	2	30	49	-30	-30	PG	52	-34	33	52	-33	-33	PG	58	-34			
ON 6011305	CENTRAL PATRICIA	90.15	51.50	345	-46	3	28	2	28	45	-46	-46	PG	46	-46	31	48	-49	-49	PG	52	-52			
ON 6121275	CENTRALIA A	81.52	43.30	253	-22	4	31	2	31	50	-22	-22	PG	52	-22	35	54	-26	-26	PG	58	-28			
ON 6101335	CHALK RIVER AEC	77.37	46.05	122	-34	3	30	2	30	49	-34	-34	PG	52	-34	34	52	-38	-38	PG	58	-40			
ON 6061359	CHAPLEAU 2	83.43	47.83	432	-42	4	29	2	29	47	-42	-42	PG	52	-46	34	52	-47	-47	PG	52	-52			
ON 6131386	CHATHAM	82.20	42.40	183	-20	3	32	3	32	52	-20	-20	PG	52	-22	38	57	-26	-26	PG	58	-28			
ON 6131388	CHATHAM 2	82.20	42.40	181	-22	4	33	3	33	53	-22	-22	PG	58	-22	38	57	-27	-27	PG	58	-28			

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	LOW TEMP			HIGH TEMP			50% RELIABILITY						98% RELIABILITY						
						AVG	STD	AVG	STD	TEMPERATURES			GRADE			TEMPERATURES			GRADE					
										MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	
ON	6101440	CHATS FALLS	76.23	45.47	94	-33	3	30	3	3	30	49	-33	-33	35	54	-38	-38	PG	52	-34	PG	58	-40
ON	6111467	CHATSWORTH	80.90	44.40	305	-29	4	29	2	2	29	48	-29	-29	33	52	-33	-33	PG	52	-34	PG	52	-34
ON	6101494	CHENAU	76.68	45.58	84	-33	4	31	2	2	31	50	-33	-33	34	53	-36	-36	PG	52	-34	PG	58	-40
ON	6101658	CLOUTARF	77.15	45.38	245	-34	5	31	2	2	31	50	-34	-34	35	54	-38	-38	PG	52	-34	PG	58	-40
ON	6071712	COCHRANE	81.03	49.07	275	-40	4	29	2	2	29	47	-40	-40	33	51	-44	-44	PG	52	-40	PG	52	-46
ON	6111766	COLDWATER	79.67	44.70	183	-35	5	30	2	2	30	49	-35	-35	34	53	-39	-39	PG	52	-40	PG	58	-40
ON	6111793	COLLINGWOOD	80.22	44.48	183	-24	5	29	2	2	29	48	-24	-24	34	53	-29	-29	PG	52	-28	PG	58	-34
ON	6101820	COMBERMERE	77.62	45.37	286	-34	3	29	2	2	29	48	-34	-34	32	51	-37	-37	PG	52	-34	PG	52	-40
ON	6141843	CONESTOGO	80.52	43.55	0	-30	4	29	3	3	29	48	-30	-30	35	54	-36	-36	PG	52	-34	PG	58	-40
ON	6061847	CONISTON	80.82	46.47	237	-38	4	30	2	2	30	49	-38	-38	34	53	-42	-42	PG	52	-40	PG	58	-46
ON	6101874	CORNWALL	74.75	45.02	64	-29	4	30	2	2	30	49	-29	-29	33	52	-32	-32	PG	52	-34	PG	58	-34
ON	6101901	CORNWALL ONT HYDRO	74.80	45.03	76	-30	3	30	2	2	30	49	-30	-30	35	54	-35	-35	PG	52	-34	PG	58	-40
ON	61219J1	COURTRIGHT	82.45	42.75	186	-22	3	32	2	2	32	52	-22	-22	35	55	-25	-25	PG	52	-22	PG	58	-28
ON	61519JM	CRESSY	76.85	44.10	84	-26	4	29	2	2	29	48	-26	-26	32	51	-29	-29	PG	52	-28	PG	52	-34
ON	6081928	CRYSTAL FALLS	79.87	46.45	227	-41	4	29	2	2	29	48	-41	-41	33	51	-45	-45	PG	52	-46	PG	52	-46
ON	6101958	DALHOUSE MILLS	74.47	45.32	69	-35	3	30	1	1	30	49	-35	-35	32	51	-37	-37	PG	52	-40	PG	52	-40
ON	6131982	DELHI CDA	80.55	42.87	232	-25	4	31	2	2	31	51	-25	-25	35	54	-29	-29	PG	52	-28	PG	58	-34
ON	6102009	DES JOACHIMS	77.70	46.18	130	-37	3	30	2	2	30	49	-37	-37	33	52	-40	-40	PG	52	-40	PG	52	-46
ON	6152007	DESERONTO	77.07	44.18	80	-31	4	31	2	2	31	50	-31	-31	35	54	-35	-35	PG	52	-34	PG	58	-40
ON	6132090	DRESDEN	82.18	42.58	183	-24	3	31	2	2	31	51	-24	-24	34	54	-27	-27	PG	52	-28	PG	58	-28
ON	6032117	DRYDEN	92.83	49.78	372	-40	3	29	2	2	29	46	-40	-40	33	51	-44	-44	PG	52	-40	PG	52	-46
ON	6032119	DRYDEN A	92.75	49.83	413	-38	3	29	2	2	29	46	-38	-38	32	50	-41	-41	PG	52	-40	PG	52	-46
ON	6132148	DUNNVILLE PUMPING STN	79.62	42.83	175	-23	3	27	1	1	27	47	-23	-23	29	49	-25	-25	PG	52	-28	PG	52	-28
ON	6112171	DURHAM	80.82	44.18	384	-28	5	29	2	2	29	48	-28	-28	34	53	-33	-33	PG	52	-28	PG	58	-34
ON	6012198	EAR FALLS	93.22	50.63	361	-38	4	28	3	3	28	45	-38	-38	33	50	-43	-43	PG	52	-46	PG	52	-46
ON	6072225	EARLTON A	79.85	47.70	243	-40	3	29	2	2	29	47	-40	-40	33	51	-44	-44	PG	52	-46	PG	52	-46
ON	6142284	ELORA	80.40	43.68	388	-28	4	31	2	2	31	50	-28	-28	36	55	-33	-33	PG	52	-40	PG	58	-34
ON	6022300	EMO	93.80	48.63	337	-41	5	30	3	3	30	48	-41	-41	35	53	-46	-46	PG	52	-46	PG	58	-52
ON	6112340	ESSA ONT HYDRO	79.80	44.37	216	-32	3	30	2	2	30	49	-32	-32	35	54	-37	-37	PG	52	-34	PG	58	-40
ON	6122370	EXETER	81.48	43.35	262	-24	4	30	2	2	30	50	-24	-24	33	53	-27	-27	PG	52	-28	PG	58	-28
ON	6142400	FERGUS SHAND DAM	80.33	43.73	418	-28	3	29	2	2	29	48	-28	-28	33	53	-32	-32	PG	52	-28	PG	58	-34
ON	6142420	FOLDENS	80.78	43.02	328	-23	3	29	2	2	29	49	-23	-23	32	52	-26	-26	PG	52	-28	PG	52	-28
ON	6122450	FOREST	82.00	43.10	217	-22	4	31	3	3	31	51	-22	-22	36	56	-27	-27	PG	52	-28	PG	58	-28
ON	6072460	FORT ALBANY	81.67	52.22	15	-41	6	27	3	3	27	44	-41	-41	32	49	-46	-46	PG	52	-52	PG	52	-52
ON	6132470	FORT ERIE	78.97	42.88	180	-22	4	28	2	2	28	48	-22	-22	31	51	-25	-25	PG	52	-28	PG	52	-28
ON	6022475	FORT FRANCES	93.42	48.62	343	-37	3	29	3	3	29	47	-37	-37	36	53	-44	-44	PG	52	-40	PG	58	-46
ON	6052563	FRANZ	84.42	48.47	373	-44	3	28	3	3	28	46	-44	-44	33	51	-49	-49	PG	52	-46	PG	58	-46
ON	6082612	FRENCH R CHAUDIERE DAM	80.02	46.13	198	-36	3	30	2	2	30	49	-36	-36	34	53	-40	-40	PG	52	-46	PG	58	-46
ON	6152691	GEORGETOWN	79.95	43.65	274	-27	3	31	2	2	31	50	-27	-27	35	54	-31	-31	PG	52	-28	PG	58	-34
ON	6142803	GLEN ALLAN	80.72	43.68	404	-28	3	29	1	1	29	48	-28	-28	32	51	-31	-31	PG	52	-34	PG	52	-40
ON	6102832	GLEN GORDON	74.53	45.17	53	-33	3	30	1	1	30	49	-33	-33	33	51	-36	-36	PG	52	-40	PG	52	-40
ON	6122845	GODERICH	81.70	43.75	219	-22	5	29	2	2	29	48	-22	-22	33	52	-26	-26	PG	52	-28	PG	52	-28
ON	6122851	GODERICH TOWNSHIP	81.70	43.72	221	-22	4	29	2	2	29	48	-22	-22	33	52	-26	-26	PG	52	-22	PG	52	-28

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY													
						TEMPERATURES					GRADE		TEMPERATURES					GRADE											
						AVG	STD	HIGH	TEMP	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT					
ON	6092915	GORE BAY	82.47	45.92	190	-32	5	28	3		28	47	-32	-32	PG	52	-34	PG	52	-40	PG	52	33	52	-37	-37	PG	52	-34
ON	6092925	GORE BAY A	82.57	45.88	193	-30	4	28	2		28	47	-30	-30	PG	52	-34	PG	52	-34	PG	52	32	50	-34	-34	PG	52	-34
ON	6042975	GRAHAM A	90.58	49.27	503	-45	4	27	3		27	45	-45	-45	PG	46	-46	PG	46	-46	PG	52	33	51	-51	-51	PG	52	-52
ON	6113000	GRAVENHURST	79.37	44.92	248	-35	4	30	2		30	49	-35	-35	PG	52	-40	PG	52	-40	PG	58	33	52	-38	-38	PG	58	-40
ON	6093004	GREAT DUCK ISLAND	82.97	45.65	183	-11	5	23	1		23	42	-11	-11	PG	46	-16	PG	46	-16	PG	46	26	45	-14	-14	PG	46	-16
ON	6133047	GRIMSBY	79.57	43.20	91	-20	4	31	2		31	51	-20	-20	PG	52	-22	PG	52	-22	PG	58	35	54	-24	-24	PG	58	-28
ON	6133057	GRIMSBY ROCK CHAPEL	79.58	43.18	198	-22	4	31	2		31	51	-22	-22	PG	52	-22	PG	52	-22	PG	58	36	55	-27	-27	PG	58	-28
ON	6143083	GUELPH OAC	80.23	43.52	334	-26	4	30	2		30	49	-26	-26	PG	52	-28	PG	52	-28	PG	58	34	53	-30	-30	PG	58	-34
ON	6133121	HAGERSVILLE 2	80.08	42.93	213	-24	5	29	1		29	49	-24	-24	PG	52	-28	PG	52	-28	PG	52	32	51	-27	-27	PG	52	-28
ON	6073138	HAILEYBURY	79.63	47.45	189	-36	3	29	4		29	47	-36	-36	PG	52	-40	PG	52	-40	PG	58	36	54	-43	-43	PG	58	-46
ON	6153192	HAMILTON	79.90	43.27	92	-22	4	32	3		32	51	-22	-22	PG	52	-22	PG	52	-22	PG	58	39	58	-29	-29	PG	58	-34
ON	6153194	HAMILTON A	79.93	43.17	237	-23	2	30	2		30	50	-23	-23	PG	52	-28	PG	52	-28	PG	58	33	53	-26	-26	PG	58	-28
ON	6153290	HAMILTON MUNICIPAL LAB	79.77	43.25	76	-20	3	31	2		31	50	-20	-20	PG	52	-22	PG	52	-22	PG	58	34	54	-23	-23	PG	58	-28
ON	6153298	HAMILTON PSYCH HOSPITAL	79.90	43.23	198	-22	2	31	2		31	50	-22	-22	PG	52	-22	PG	52	-22	PG	58	34	53	-25	-25	PG	58	-28
ON	6153300	HAMILTON RBG	79.88	43.28	102	-22	3	31	2		31	50	-22	-22	PG	52	-22	PG	52	-22	PG	58	35	54	-26	-26	PG	58	-28
ON	6133360	HARROW CDA	82.90	42.03	190	-21	3	32	2		32	52	-21	-21	PG	52	-22	PG	52	-22	PG	58	36	55	-25	-25	PG	58	-28
ON	6103367	HARTINGTON IHD	76.70	44.43	160	-29	4	31	2		31	50	-29	-29	PG	52	-34	PG	52	-34	PG	58	35	54	-33	-33	PG	58	-34
ON	6073420	HEASLIP	79.83	47.80	222	-42	4	30	2		30	48	-42	-42	PG	52	-46	PG	52	-46	PG	52	34	52	-46	-46	PG	52	-46
ON	6053570	HORNEPAYNE	84.80	49.23	329	-42	4	28	3		28	46	-42	-42	PG	46	-46	PG	46	-46	PG	58	33	50	-47	-47	PG	58	-46
ON	6113660	HUNTSVILLE	79.25	45.32	290	-36	4	30	2		30	49	-36	-36	PG	52	-40	PG	52	-40	PG	58	34	53	-40	-40	PG	58	-46
ON	6113663	HUNTSVILLE WPCP	79.22	45.33	286	-35	3	28	2		28	47	-35	-35	PG	52	-40	PG	52	-40	PG	58	31	50	-38	-38	PG	52	-52
ON	6033690	IGNACE	91.65	49.42	447	-42	3	29	2		29	47	-42	-42	PG	52	-46	PG	52	-46	PG	52	34	51	-47	-47	PG	52	-52
ON	6033697	IGNACE TCPL 58	92.00	49.48	473	-37	3	29	2		29	47	-37	-37	PG	52	-40	PG	52	-40	PG	52	33	50	-41	-41	PG	52	-46
ON	6073750	INDIAN CHUTE	80.45	47.85	293	-40	3	28	2		28	46	-40	-40	PG	52	-46	PG	52	-46	PG	52	31	49	-43	-43	PG	52	-46
ON	6073810	IROQUOIS FALLS	80.67	48.75	259	-41	4	29	3		29	47	-41	-41	PG	52	-46	PG	52	-46	PG	52	34	52	-46	-46	PG	52	-52
ON	6073840	ISLAND FALLS	81.38	49.58	213	-43	3	28	2		28	46	-43	-43	PG	46	-46	PG	46	-46	PG	58	33	50	-47	-47	PG	52	-52
ON	6043930	KAKABEKA FALLS	89.62	48.40	278	-39	4	30	3		30	48	-39	-39	PG	46	-46	PG	46	-46	PG	58	35	53	-44	-44	PG	58	-46
ON	6073975	KAPUSKASING A	82.47	49.42	226	-40	3	28	2		28	46	-40	-40	PG	46	-46	PG	46	-46	PG	52	31	49	-45	-45	PG	52	-46
ON	6073960	KAPUSKASING CDA	82.43	49.40	218	-41	3	28	2		28	46	-41	-41	PG	46	-46	PG	46	-46	PG	52	32	49	-45	-45	PG	52	-46
ON	6104025	KEMPTVILLE	75.63	45.00	99	-31	4	31	2		31	50	-31	-31	PG	52	-34	PG	52	-34	PG	58	34	53	-34	-34	PG	58	-40
ON	6034070	KENORA	94.53	49.80	336	-38	3	29	3		29	46	-38	-38	PG	52	-40	PG	52	-40	PG	58	36	53	-45	-45	PG	58	-46
ON	6034075	KENORA A	94.37	49.78	407	-37	3	28	2		28	45	-37	-37	PG	46	-46	PG	46	-46	PG	52	32	49	-41	-41	PG	52	-46
ON	6034077	KENORA TCPL 49	94.48	49.78	340	-37	5	29	2		29	46	-37	-37	PG	52	-40	PG	52	-40	PG	58	34	51	-42	-42	PG	58	-46
ON	6104125	KILLALOE	77.42	45.57	174	-36	4	30	2		30	49	-36	-36	PG	52	-40	PG	52	-40	PG	58	34	53	-44	-44	PG	58	-46
ON	6124127	KINCARDINE	81.62	44.17	208	-21	4	30	1		30	49	-21	-21	PG	52	-22	PG	52	-22	PG	52	33	52	-24	-24	PG	52	-28
ON	6104146	KINGSTON A	76.60	44.22	93	-27	6	27	2		27	46	-27	-27	PG	52	-28	PG	52	-28	PG	52	31	50	-31	-31	PG	52	-34
ON	6104165	KINGSTON ONT HYDRO	76.50	44.27	91	-27	3	29	3		29	48	-27	-27	PG	52	-28	PG	52	-28	PG	58	35	54	-33	-33	PG	58	-34
ON	6104185	KINGSTON QUEENS U	76.50	44.25	104	-28	4	27	2		27	46	-28	-28	PG	52	-28	PG	52	-28	PG	52	31	50	-32	-32	PG	52	-34
ON	6134190	KINGSVILLE MOE	82.68	42.05	198	-21	3	29	1		29	49	-21	-21	PG	52	-22	PG	52	-22	PG	52	31	51	-23	-23	PG	52	-28
ON	6164198	KINMOUNT	78.63	44.75	280	-37	4	29	4		29	48	-37	-37	PG	52	-40	PG	52	-40	PG	58	37	56	-45	-45	PG	58	-46
ON	6074209	KIRKLAND LAKE	80.02	48.15	317	-40	3	28	2		28	46	-40	-40	PG	52	-40	PG	52	-40	PG	58	32	50	-44	-44	PG	52	-46
ON	6144232	KITCHENER	80.50	43.43	343	-24	3	31	3		31	50	-24	-24	PG	52	-28	PG	52	-28	PG	58	37	56	-30	-30	PG	58	-34
ON	6084278	LA CAVE	78.73	46.37	172	-37	4	30	2		30	49	-37	-37	PG	52	-40	PG	52	-40	PG	58	34	53	-41	-41	PG	58	-46

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

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PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY				98% RELIABILITY								
						LOW TEMP		HIGH TEMP		TEMPERATURES		GRADE		TEMPERATURES		GRADE		
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	PG	HT
ON	6084307	LAKE TRAVERSE	78.07	45.95	236	-38	4	30	1	30	49	-38	-29	-38	-41	PG	52	-46
ON	6164297	LAKEFIELD	78.23	44.47	236	-29	5	30	3	30	49	-29	-29	-29	-35	PG	58	-40
ON	6154310	LAKEVIEW MOE	79.57	43.57	76	-23	4	30	2	30	49	-23	-23	-23	-26	PG	58	-28
ON	6014350	LANSLOWNE HOUSE	87.88	52.23	256	-41	3	27	2	27	44	-41	-41	-41	-44	PG	52	-46
ON	6134390	LEAMINGTON	82.63	42.05	213	-20	4	31	2	31	51	-20	-20	-20	-24	PG	58	-28
ON	6164430	LINDSAY	78.75	44.35	267	-30	4	31	2	31	50	-30	-30	-30	-34	PG	58	-40
ON	6164432	LINDSAY FILTRATION PLANT	78.73	44.35	251	-32	4	30	2	30	49	-32	-32	-32	-35	PG	58	-40
ON	6144442	LISTOWEL	80.97	43.75	381	-25	4	28	3	28	47	-25	-25	-25	-31	PG	58	-34
ON	6144475	LONDON A	81.15	43.03	278	-24	3	30	2	30	50	-24	-24	-24	-28	PG	58	-28
ON	6144505	LONDON SOUTH	81.22	42.98	246	-26	4	31	2	31	51	-26	-26	-26	-31	PG	58	-34
ON	6134610	LONG POINT	80.05	42.55	175	-10	3	27	1	27	47	-10	-10	-10	-12	PG	52	-16
ON	6044525	LONGGLAC	86.50	49.75	317	-43	3	29	2	29	46	-43	-43	-43	-48	PG	52	-52
ON	6164615	LORNEVILLE	78.95	44.48	274	-30	4	29	1	29	48	-30	-30	-30	-33	PG	52	-34
ON	6144665	LUCAN	81.42	43.18	297	-23	4	32	2	32	51	-23	-23	-23	-27	PG	58	-28
ON	6084770	MADAWASKA	77.98	45.50	316	-39	4	30	2	30	49	-39	-39	-39	-44	PG	58	-46
ON	6114805	MAGNETAWAN	79.78	45.67	280	-37	4	29	2	29	48	-37	-37	-37	-41	PG	52	-46
ON	6154820	MAIN DUCK ISLAND	76.63	43.93	77	-13	4	26	1	26	46	-13	-13	-13	-15	PG	52	-16
ON	6044903	MANITOUWADGE	85.80	49.15	332	-39	2	28	2	28	46	-39	-39	-39	-42	PG	52	-46
ON	6075024	MATTICE TCPL	83.17	49.60	233	-44	3	28	2	28	46	-44	-44	-44	-48	PG	52	-52
ON	6065043	MCVITIES	80.85	46.28	213	-40	3	28	2	28	47	-40	-40	-40	-44	PG	52	-46
ON	6115099	MIDHURST	79.77	44.45	226	-30	5	30	2	30	49	-30	-30	-30	-34	PG	58	-40
ON	6155183	MILLGROVE	79.97	43.32	255	-24	3	30	2	30	50	-24	-24	-24	-28	PG	58	-28
ON	6025203	MINE CENTRE	92.62	48.77	343	-41	3	30	3	30	48	-41	-41	-41	-46	PG	58	-52
ON	6065250	MONEVILLE	80.30	46.15	221	-37	3	29	2	29	48	-37	-37	-37	-41	PG	52	-46
ON	6145267	MONICELLO	80.40	43.97	482	-29	3	27	2	27	46	-29	-29	-29	-34	PG	52	-34
ON	6075379	MONTREAL RIVER	79.48	47.12	183	-40	3	30	2	30	48	-40	-40	-40	-44	PG	58	-46
ON	6075400	MOOSE FACTORY	80.50	51.23	9	-41	4	27	5	27	44	-41	-41	-41	-50	PG	58	-52
ON	6075425	MOOSONEE	80.65	51.27	10	-41	3	27	3	27	44	-41	-41	-41	-47	PG	52	-52
ON	6105460	MORRISBURG	75.18	44.92	82	-34	3	30	2	30	49	-34	-34	-34	-37	PG	58	-40
ON	6145503	MOUNT FOREST	80.75	43.98	415	-28	4	29	2	29	48	-28	-28	-28	-32	PG	58	-34
ON	6115525	MUSKOKA A	79.30	44.97	280	-35	3	29	2	29	48	-35	-35	-35	-38	PG	52	-40
ON	6045550	NAKINA A	86.70	50.18	325	-41	4	28	2	28	45	-41	-41	-41	-44	PG	52	-46
ON	6135583	NEW GLASGOW	81.63	42.52	198	-23	3	29	1	29	49	-23	-23	-23	-26	PG	52	-28
ON	6075594	NEW LISKEARD	79.67	47.50	194	-41	4	29	2	29	47	-41	-41	-41	-45	PG	52	-46
ON	6135638	NIAGARA FALLS	79.08	43.13	183	-20	3	31	2	31	51	-20	-20	-20	-23	PG	58	-28
ON	6135660	NIAGARA FALLS ONT HYDRO	79.08	43.08	198	-20	5	30	2	30	50	-20	-20	-20	-23	PG	58	-28
ON	6085682	NORTH BAY	79.47	46.32	201	-35	4	29	3	29	48	-35	-35	-35	-40	PG	58	-40
ON	6085700	NORTH BAY A	79.43	46.35	358	-33	3	28	2	28	47	-33	-33	-33	-37	PG	52	-40
ON	6045711	NORTH LAKE	90.57	48.13	479	-43	3	30	2	30	48	-43	-43	-43	-48	PG	58	-52
ON	6165716	NORWOOD	77.97	44.38	213	-30	5	29	4	29	48	-30	-30	-30	-38	PG	58	-40
ON	6155722	OAK RIDGES	79.47	43.97	322	-26	4	30	2	30	49	-26	-26	-26	-30	PG	58	-34
ON	6155790	ORANGEVILLE MOE	80.08	43.92	411	-30	4	29	2	29	48	-30	-30	-30	-33	PG	52	-34
ON	6115810	ORILLIA	79.40	44.62	224	-31	3	30	2	30	49	-31	-31	-31	-35	PG	58	-40

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY											
						TEMPERATURES					GRADE					TEMPERATURES					GRADE						
						AVG	STD	HIGH	TEMP	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT		
ON	6155854	ORONO	78.62	43.97	148	-26	4	30	2	-26	4	30	2	30	49	-26	-26	-26	-26	53	34	PG	52	-28	PG	58	-34
ON	6155876	OSHAWA	78.87	43.90	113	-24	6	29	2	-24	6	29	2	29	48	-24	-24	-24	-24	52	33	PG	52	-28	PG	58	-34
ON	6155878	OSHAWA WPCP	78.83	43.87	84	-24	3	29	2	-24	3	29	2	29	48	-24	-24	-24	-24	52	33	PG	52	-28	PG	58	-28
ON	6105887	OTAWA	75.72	45.40	72	-31	4	30	3	-31	4	30	3	30	49	-31	-31	-31	-31	54	35	PG	52	-34	PG	58	-40
ON	6106000	OTAWA INTL A	75.67	45.32	116	-30	3	30	2	-30	3	30	2	30	49	-30	-30	-30	-30	52	33	PG	52	-34	PG	58	-34
ON	6106090	OTAWA NRC	75.62	45.45	98	-30	3	30	2	-30	3	30	2	30	49	-30	-30	-30	-30	52	33	PG	52	-34	PG	58	-34
ON	6106100	OTAWA ROCKCLIFFE A	75.63	45.45	54	-31	3	31	2	-31	3	31	2	31	50	-31	-31	-31	-31	54	35	PG	52	-34	PG	58	-40
ON	6116128	OWEN SOUND	80.92	44.57	182	-25	6	30	2	-25	6	30	2	30	49	-25	-25	-25	-25	53	34	PG	52	-28	PG	58	-34
ON	6116132	OWEN SOUND MOE	80.93	44.58	179	-25	4	28	1	-25	4	28	1	28	47	-25	-25	-25	-25	50	31	PG	52	-28	PG	58	-28
ON	6076200	PAGWA A	85.27	50.03	44.57	-40	3	28	2	-40	3	28	2	28	45	-40	-40	-40	-40	50	33	PG	52	-28	PG	58	-46
ON	6126210	PAISLEY	81.37	44.27	244	-31	4	29	2	-31	4	29	2	29	48	-31	-31	-31	-31	51	32	PG	52	-34	PG	58	-34
ON	6146240	PARIS	80.45	43.18	267	-26	5	33	2	-26	5	33	2	33	52	-26	-26	-26	-26	57	38	PG	58	-28	PG	58	-28
ON	6136335	PELEE ISLAND	82.68	41.75	175	-19	5	31	3	-19	5	31	3	31	51	-19	-19	-19	-19	57	37	PG	52	-22	PG	58	-40
ON	6106362	PEMBROKE EDDY MATCH	77.15	45.83	125	-34	4	31	2	-34	4	31	2	31	50	-34	-34	-34	-34	54	35	PG	52	-34	PG	58	-40
ON	6106398	PETAWAWA A	77.32	45.95	130	-37	3	30	2	-37	3	30	2	30	49	-37	-37	-37	-37	52	33	PG	52	-40	PG	58	-46
ON	6166418	PETERBOROUGH A	78.35	44.23	191	-32	4	30	2	-32	4	30	2	30	49	-32	-32	-32	-32	52	33	PG	52	-34	PG	58	-40
ON	6166428	PETERBOROUGH DOBBIN TS	78.40	44.32	244	-32	5	30	2	-32	5	30	2	30	49	-32	-32	-32	-32	52	33	PG	52	-28	PG	58	-34
ON	6166450	PETERBOROUGH STP	78.32	44.28	192	-28	3	30	2	-28	3	30	2	30	49	-28	-28	-28	-28	54	35	PG	58	-28	PG	58	-40
ON	6166455	PETERBOROUGH TRENT U	78.30	44.37	198	-29	3	30	2	-29	3	30	2	30	49	-29	-29	-29	-29	52	33	PG	52	-34	PG	58	-34
ON	6156515	PICKERING AUDLEY	79.05	43.90	110	-27	3	28	3	-27	3	28	3	28	47	-27	-27	-27	-27	53	34	PG	52	-28	PG	58	-34
ON	6156533	PICTON	77.13	44.02	76	-29	4	29	2	-29	4	29	2	29	48	-29	-29	-29	-29	52	32	PG	52	-34	PG	58	-40
ON	6076540	PINARD	81.60	49.85	232	-44	3	28	2	-44	3	28	2	28	45	-44	-44	-44	-44	49	32	PG	52	-40	PG	58	-52
ON	6076572	PORCUPINE ONT HYDRO	81.27	48.47	299	-40	5	29	4	-40	5	29	4	29	47	-40	-40	-40	-40	54	37	PG	52	-40	PG	58	-40
ON	6046588	PORT ARTHUR	89.22	48.43	195	-35	3	27	2	-35	3	27	2	27	45	-35	-35	-35	-35	48	31	PG	52	-22	PG	58	-28
ON	6136606	PORT COLBORNE	79.25	42.88	175	-21	3	28	1	-21	3	28	1	28	48	-21	-21	-21	-21	50	30	PG	52	-22	PG	58	-34
ON	6136626	PORT DALHOUSIE	79.27	43.18	91	-19	3	31	1	-19	3	31	1	31	51	-19	-19	-19	-19	53	34	PG	52	-22	PG	58	-22
ON	6156670	PORT HOPE	78.28	43.95	81	-25	3	28	2	-25	3	28	2	28	47	-25	-25	-25	-25	51	32	PG	52	-28	PG	58	-34
ON	6136694	PORT STANLEY	81.22	42.67	183	-24	5	28	2	-24	5	28	2	28	48	-24	-24	-24	-24	51	32	PG	52	-34	PG	58	-34
ON	6146711	PRESTON	80.42	43.40	291	-26	3	30	2	-26	3	30	2	30	49	-26	-26	-26	-26	53	34	PG	52	-28	PG	58	-34
ON	6116750	PROTON STATION	80.52	44.17	480	-31	4	27	1	-31	4	27	1	27	46	-31	-31	-31	-31	49	30	PG	52	-34	PG	58	-34
ON	6096755	PROVIDENCE BAY	82.23	45.67	192	-32	5	28	2	-32	5	28	2	28	47	-32	-32	-32	-32	51	32	PG	52	-28	PG	58	-34
ON	6166800	QUEENSBORO	77.42	44.60	195	-34	5	30	2	-34	5	30	2	30	49	-34	-34	-34	-34	53	34	PG	52	-34	PG	58	-34
ON	6046811	QUORN	90.90	49.42	445	-44	4	29	3	-44	4	29	3	29	47	-44	-44	-44	-44	51	34	PG	52	-46	PG	58	-40
ON	6116843	RAGGED RAPIDS	79.68	45.02	229	-32	4	29	2	-32	4	29	2	29	48	-32	-32	-32	-32	52	33	PG	52	-34	PG	58	-40
ON	6016890	RAT RAPIDS	90.23	51.20	375	-40	3	27	2	-40	3	27	2	27	44	-40	-40	-40	-40	49	32	PG	52	-40	PG	58	-46
ON	6036904	RAWSON LAKE	93.72	49.65	358	-37	3	29	2	-37	3	29	2	29	46	-37	-37	-37	-37	50	32	PG	52	-40	PG	58	-46
ON	6016975	RED LAKE A	93.80	51.07	375	-39	7	28	3	-39	7	28	3	28	45	-39	-39	-39	-39	50	33	PG	52	-44	PG	58	-46
ON	6146939	REDICKVILLE	80.22	44.23	526	-27	4	27	3	-27	4	27	3	27	46	-27	-27	-27	-27	53	34	PG	52	-28	PG	58	-34
ON	6107002	RENFREW	76.70	45.48	130	-35	4	30	1	-35	4	30	1	30	49	-35	-35	-35	-35	51	33	PG	52	-40	PG	58	-40
ON	6107003	RENFREW	76.65	45.43	127	-35	3	32	2	-35	3	32	2	32	51	-35	-35	-35	-35	55	36	PG	52	-40	PG	58	-40
ON	6107004	RENFREW SAND POINT	76.43	45.48	127	-34	3	31	2	-34	3	31	2	31	50	-34	-34	-34	-34	54	35	PG	52	-34	PG	58	-40
ON	6157012	RICHMOND HILL	79.45	43.88	233	-25	3	30	2	-25	3	30	2	30	49	-25	-25	-25	-25	52	33	PG	52	-28	PG	58	-34
ON	6157014	RICHMOND HILL WPCP	79.43	43.87	218	-26	3	30	1	-26	3	30	1	30	49	-26	-26	-26	-26	52	33	PG	52	-28	PG	58	-34

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY				98% RELIABILITY				GRADE						
						LOW TEMP		HIGH TEMP		TEMPERATURES				TEMPERATURES				TEMPERATURES		
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT
ON	6137147	RIDGETOWN	81.88	42.45	206	-22	3	31	3	31	51	-22	-22	36	56	-27	-27	PG	58	-28
ON	6137161	RIDGEVILLE	79.33	43.03	236	-19	6	29	2	29	49	-19	-19	32	52	-22	-22	PG	52	-28
ON	6067211	RUEL	81.45	47.30	410	-42	4	29	2	29	47	-42	-42	34	52	-47	-47	PG	52	-52
ON	6107247	RUSSELL	75.35	45.25	76	-32	4	30	1	30	49	-32	-32	33	52	-35	-35	PG	52	-40
ON	6087255	RUTHERGLEN	79.07	46.25	240	-38	3	30	2	30	49	-38	-38	34	52	-42	-42	PG	58	-46
ON	6127514	SARNIA A	82.30	43.00	181	-23	3	31	2	31	51	-23	-23	34	54	-26	-26	PG	58	-28
ON	6057595	SAULT STE M FORESTRY	84.37	46.50	193	-34	5	29	2	29	48	-34	-34	33	51	-38	-38	PG	52	-40
ON	6057590	SAULT STE MARIE 2	84.33	46.53	212	-30	3	28	2	28	47	-30	-30	33	51	-35	-35	PG	52	-40
ON	6057592	SAULT STE MARIE A	84.50	46.48	187	-33	4	28	2	28	47	-33	-33	32	50	-37	-37	PG	52	-40
ON	6047615	SAVANNE	90.20	48.97	459	-43	5	28	2	28	46	-43	-43	32	50	-47	-47	PG	52	-52
ON	6047627	SCHREIBER	87.27	48.82	302	-35	3	24	2	24	42	-35	-35	28	46	-40	-40	PG	46	-40
ON	6137730	SIMCOE	80.27	42.85	240	-24	3	30	1	30	50	-24	-24	33	52	-27	-27	PG	58	-28
ON	6137735	SIMCOE	80.33	42.87	222	-24	5	31	3	31	51	-24	-24	37	57	-30	-30	PG	58	-34
ON	6037775	SIOUX LOOKOUT A	91.90	50.12	389	-39	3	28	2	28	45	-39	-39	32	49	-43	-43	PG	52	-46
ON	6047810	SLATE ISLAND	86.98	48.62	186	-16	6	20	2	20	38	-16	-16	23	41	-19	-19	PG	46	-22
ON	6027825	SLEEMAN	94.42	48.72	335	-40	3	29	2	29	47	-40	-40	32	50	-43	-43	PG	52	-46
ON	6157831	SMITHFIELD CDA	77.67	44.08	119	-27	4	29	2	29	48	-27	-27	33	52	-31	-31	PG	52	-34
ON	6107835	SMITHS FALLS WPCP	76.00	44.90	122	-31	4	30	1	30	49	-31	-31	32	51	-33	-33	PG	52	-34
ON	6077845	SMOKY FALLS	82.17	50.07	183	-40	4	28	3	28	45	-40	-40	34	51	-46	-46	PG	52	-46
ON	6097915	SOUTH BAYMOUTH	82.02	45.58	182	-30	4	26	2	26	45	-30	-30	29	48	-33	-33	PG	52	-34
ON	6107955	SOUTH MOUNTAIN	75.48	44.97	85	-32	4	30	1	30	49	-32	-32	33	52	-35	-35	PG	52	-40
ON	6137285	ST CATHARINES	79.25	43.20	91	-19	4	31	2	31	51	-19	-19	36	55	-24	-24	PG	58	-28
ON	6137301	ST CATHARINES CDA	79.23	43.18	99	-18	4	31	2	31	51	-18	-18	35	54	-22	-22	PG	58	-28
ON	6137306	ST CATHARINES POWER GLEN	79.25	43.12	122	-22	3	31	2	31	51	-22	-22	35	53	-25	-25	PG	58	-28
ON	6137361	ST THOMAS	81.17	42.78	236	-25	5	30	3	30	50	-25	-25	34	53	-30	-30	PG	58	-34
ON	6137399	ST WILLIAMS	80.45	42.70	213	-24	3	30	1	30	50	-24	-24	35	55	-27	-27	PG	58	-28
ON	6058010	STEEP HILL FALLS	84.80	48.07	335	-42	3	28	3	28	46	-42	-42	33	52	-47	-47	PG	52	-52
ON	6158050	STIRLING	77.63	44.32	139	-30	4	31	2	31	50	-30	-30	35	54	-34	-34	PG	58	-34
ON	6108060	STONECLIFFE	78.10	46.15	149	-38	5	31	2	31	50	-38	-38	35	53	-42	-42	PG	58	-46
ON	6158065	STONE CREEK	79.75	43.22	89	-23	4	32	2	32	51	-23	-23	37	56	-28	-28	PG	58	-28
ON	6148100	STRAITFORD	81.00	43.38	363	-25	4	30	2	30	49	-25	-25	34	54	-29	-29	PG	58	-34
ON	6148105	STRAITFORD MOE	81.00	43.37	354	-26	3	29	1	29	49	-26	-26	32	51	-29	-29	PG	52	-34
ON	6148120	STRATHROY	81.65	42.95	229	-25	5	30	2	30	50	-25	-25	34	53	-29	-29	PG	58	-34
ON	6068148	SUDBURY	80.98	46.48	259	-35	6	29	2	29	48	-35	-35	34	52	-40	-40	PG	52	-40
ON	6068150	SUDBURY A	80.80	46.62	347	-33	3	29	2	29	48	-33	-33	33	51	-37	-37	PG	52	-40
ON	611HBC	THORNHURST SLAMA	80.48	44.57	213	-25	4	29	2	29	48	-25	-25	32	51	-28	-28	PG	52	-28
ON	6048261	THUNDER BAY A	89.32	48.37	199	-35	3	28	2	28	46	-35	-35	31	49	-38	-38	PG	52	-40
ON	604HBFA	THUNDER BAY WPCP	89.23	48.40	184	-34	3	27	2	27	45	-34	-34	32	49	-39	-39	PG	52	-40
ON	6078280	TIMMINS	81.33	48.50	335	-35	3	29	2	29	47	-35	-35	34	51	-40	-40	PG	52	-40
ON	6078285	TIMMINS A	81.37	48.57	295	-40	3	29	2	29	47	-40	-40	33	50	-44	-44	PG	52	-46
ON	6128320	TOBERMORY	81.67	45.25	183	-23	6	27	2	27	46	-23	-23	31	50	-27	-27	PG	52	-28
ON	6158363	TORONTO AGINCOURT	79.27	43.78	180	-25	3	31	2	31	50	-25	-25	36	55	-30	-30	PG	58	-34
ON	6158443	TORONTO DOWNSVIEW A	79.48	43.75	198	-25	3	30	3	30	49	-25	-25	36	55	-31	-31	PG	58	-34

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY															
						LOW TEMP					TEMPERATURES					GRADE					TEMPERATURES					GRADE					
						AVG	STD	HIGH	TEMP	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT							
ON	6158520	TORONTO ELLESMERE	79.27	43.77	164	-24	4	31	2	2	31	50	-24	-24	PG	52	-28	PG	54	54	-28	-28	PG	58	-28	PG	58	-28	PG	58	-28
ON	6158660	TORONTO ISLAND	79.40	43.62	78	-23	4	28	2	2	28	48	-23	-23	PG	52	-28	PG	52	52	-27	-27	PG	52	-28	PG	52	-28	PG	52	-28
ON	6158665	TORONTO ISLAND A	79.40	43.63	77	-21	3	29	2	2	29	48	-21	-21	PG	52	-22	PG	52	52	-24	-24	PG	52	-28	PG	58	-28	PG	58	-28
ON	6158691	TORONTO ISLINGTON	79.55	43.65	133	-21	5	31	2	2	31	50	-21	-21	PG	52	-22	PG	52	54	-25	-25	PG	58	-28	PG	58	-34	PG	58	-34
ON	6158740	TORONTO MET RES SIN	79.55	43.80	194	-26	4	29	3	3	29	48	-26	-26	PG	52	-28	PG	52	54	-29	-29	PG	58	-34	PG	58	-34	PG	58	-34
ON	6158733	TORONTO PEARSON INTL A	79.63	43.67	173	-25	3	31	2	2	31	50	-25	-25	PG	52	-28	PG	52	54	-27	-27	PG	58	-28	PG	58	-28	PG	58	-28
ON	6158846	TORONTO WILSON HEIGHTS	79.43	43.73	190	-23	2	31	2	2	31	50	-23	-23	PG	52	-28	PG	52	54	-27	-27	PG	58	-28	PG	58	-28	PG	58	-28
ON	6158875	TRENTON A	77.53	44.12	85	-27	3	29	2	2	29	48	-27	-27	PG	52	-28	PG	52	54	-31	-31	PG	52	-34	PG	52	-34	PG	52	-34
ON	6068980	TURBINE	81.57	46.38	206	-37	3	30	2	2	30	49	-37	-37	PG	52	-40	PG	53	53	-42	-42	PG	58	-46	PG	58	-46	PG	58	-46
ON	6159010	TWEED	77.28	44.50	145	-31	4	31	2	2	31	50	-31	-31	PG	52	-34	PG	54	54	-35	-35	PG	58	-40	PG	58	-40	PG	58	-40
ON	6159048	TYRONE	78.73	44.02	206	-28	4	29	2	2	29	48	-28	-28	PG	52	-28	PG	52	51	-31	-31	PG	52	-34	PG	52	-34	PG	52	-34
ON	6119064	UPLANDS	79.42	45.80	0	-36	3	30	2	2	30	49	-36	-36	PG	52	-40	PG	52	52	-39	-39	PG	52	-40	PG	52	-40	PG	52	-40
ON	6049096	UPSALA	90.47	49.05	484	-42	3	28	1	1	28	46	-42	-42	PG	46	-46	PG	48	48	-45	-45	PG	52	-46	PG	58	-40	PG	58	-40
ON	6159122	UXBRIDGE	79.13	44.08	270	-30	4	30	3	3	30	49	-30	-30	PG	52	-28	PG	36	36	-36	-36	PG	52	-46	PG	58	-40	PG	58	-40
ON	6159124	UXBRIDGE 2	79.10	44.12	270	-28	4	29	2	2	29	48	-28	-28	PG	52	-28	PG	33	33	-32	-32	PG	52	-34	PG	52	-34	PG	52	-34
ON	6139143	VINELAND RITTENHOUSE	79.42	43.17	94	-20	3	31	2	2	31	51	-20	-20	PG	52	-22	PG	54	54	-23	-23	PG	58	-28	PG	58	-28	PG	58	-28
ON	6139145	VINELAND STATION	79.40	43.18	79	-19	3	31	2	2	31	51	-19	-19	PG	52	-22	PG	55	55	-23	-23	PG	58	-28	PG	58	-28	PG	58	-28
ON	6149205	WALDEMAR	80.28	43.88	450	-30	6	28	2	2	28	47	-30	-30	PG	52	-34	PG	50	50	-33	-33	PG	52	-34	PG	52	-34	PG	52	-34
ON	6129235	WALKERTON	81.15	44.13	244	-29	6	31	2	2	31	50	-29	-29	PG	52	-34	PG	36	36	-25	-25	PG	58	-34	PG	58	-34	PG	58	-34
ON	6139265	WALLACEBURG	82.40	42.58	177	-21	4	32	2	2	32	52	-21	-21	PG	52	-22	PG	55	55	-23	-23	PG	58	-28	PG	58	-28	PG	58	-28
ON	6149387	WATERLOO WELLINGTON A	80.38	43.45	314	-26	3	30	2	2	30	49	-26	-26	PG	52	-28	PG	36	36	-25	-25	PG	58	-34	PG	58	-34	PG	58	-34
ON	6059408	WAWA	84.75	48.07	430	-34	3	25	1	1	25	43	-34	-34	PG	46	-46	PG	33	33	-29	-29	PG	52	-34	PG	58	-34	PG	58	-34
ON	6079415	WAWATIN	81.40	48.35	271	-42	2	29	2	2	29	47	-42	-42	PG	52	-46	PG	33	33	-46	-46	PG	52	-52	PG	52	-52	PG	52	-52
ON	6169453	WEST GUILFORD	78.68	45.10	328	-40	3	29	2	2	29	48	-40	-40	PG	52	-40	PG	32	32	-43	-43	PG	52	-46	PG	52	-46	PG	52	-46
ON	6149455	WESTMINSTER TWP WPCP	81.22	42.92	259	-26	3	30	2	2	30	50	-26	-26	PG	52	-28	PG	33	33	-29	-29	PG	58	-34	PG	58	-34	PG	58	-34
ON	6059475	WHITE RIVER	85.28	48.60	379	-45	3	28	2	2	28	46	-45	-45	PG	46	-46	PG	32	32	-49	-49	PG	52	-52	PG	52	-52	PG	52	-52
ON	6119500	WIARTON A	81.10	44.75	222	-26	4	28	2	2	28	47	-26	-26	PG	52	-28	PG	31	31	-29	-29	PG	52	-34	PG	52	-34	PG	52	-34
ON	6139520	WINDSOR	83.10	42.35	190	-22	5	32	2	2	32	52	-22	-22	PG	52	-22	PG	35	35	-25	-25	PG	58	-28	PG	58	-28	PG	58	-28
ON	6139525	WINDSOR A	82.97	42.27	190	-20	3	32	2	2	32	52	-20	-20	PG	52	-22	PG	35	35	-23	-23	PG	58	-34	PG	58	-34	PG	58	-34
ON	6159575	WOODBIDGE	79.60	43.80	165	-27	3	30	3	3	30	49	-27	-27	PG	52	-28	PG	36	36	-33	-33	PG	58	-28	PG	58	-28	PG	58	-28
ON	6139600	WOODSLEE CDA	82.73	42.22	183	-22	3	31	2	2	31	51	-22	-22	PG	52	-22	PG	35	35	-26	-26	PG	52	-34	PG	52	-34	PG	52	-34
PE	8300080	ALBERTON	64.02	46.85	3	-26	4	27	1	1	27	46	-26	-26	PG	46	-28	PG	30	30	-29	-29	PG	52	-34	PG	52	-34	PG	52	-34
PE	8300100	ALLISTON	62.60	46.05	53	-24	3	28	2	2	28	47	-24	-24	PG	52	-28	PG	32	32	-28	-28	PG	52	-28	PG	52	-28	PG	52	-28
PE	8300298	CHARLOTTETOWN	63.17	46.23	14	-26	3	26	1	1	26	45	-26	-26	PG	46	-28	PG	29	29	-29	-29	PG	52	-34	PG	52	-34	PG	52	-34
PE	8300300	CHARLOTTETOWN A	63.13	46.28	48	-24	3	26	2	2	26	45	-24	-24	PG	46	-28	PG	29	29	-27	-27	PG	52	-28	PG	52	-28	PG	52	-28
PE	8300400	CHARLOTTETOWN CDA	63.13	46.25	23	-25	3	27	2	2	27	46	-25	-25	PG	46	-28	PG	30	30	-28	-28	PG	52	-34	PG	52	-34	PG	52	-34
PE	8300420	ELLERSLIE	63.92	46.62	8	-28	4	27	2	2	27	46	-28	-28	PG	46	-28	PG	30	30	-31	-31	PG	52	-34	PG	52	-34	PG	52	-34
PE	8300447	MONTECELLO	62.47	46.47	32	-25	3	27	1	1	27	46	-25	-25	PG	46	-28	PG	29	29	-29	-29	PG	52	-28	PG	52	-28	PG	52	-28
PE	8300500	NEW LONDON	63.55	46.50	15	-27	3	27	1	1	27	46	-27	-27	PG	46	-28	PG	29	29	-29	-29	PG	52	-34	PG	52	-34	PG	52	-34
PE	8300525	O'LEARY	64.27	46.70	38	-26	3	27	1	1	27	46	-26	-26	PG	46	-28	PG	30	30	-29	-29	PG	52	-28	PG	52	-28	PG	52	-28
PE	8300590	STANHOPE	63.08	46.42	3	-23	6	26	2	2	26	45	-23	-23	PG	46	-28	PG	29	29	-26	-26	PG	52	-28	PG	52	-28	PG	52	-28
PE	8300700	SUMMERSIDE A	63.83	46.43	24	-24	3	27	1	1	27	46	-24	-24	PG	46	-28	PG	30	30	-27	-27	PG	52	-28	PG	52	-28	PG	52	-28
PE	8300600	SUMMERSIDE CDA	63.78	46.40	5	-24	3	26	2	2	26	45	-24	-24	PG	46	-28	PG	29	29	-27	-27	PG	52	-28	PG	52	-28	PG	52	-28

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	LOW TEMP			HIGH TEMP			50% RELIABILITY						98% RELIABILITY														
						AVG		STD	AVG		STD	TEMPERATURES			GRADE			TEMPERATURES			GRADE											
						AVG	STD	AVG	STD	TEMP	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT								
PQ	7020040	ABERCORN	72.67	45.03	149	-37	4	29	1		29	48	-37	-37	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7090050	ABITIBI POST	79.37	48.72	259	-40	3	27	3		27	45	-40	-40	PG	46	-40	PG	46	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7060080	ALBANEL	72.45	48.88	152	-38	3	28	2		28	46	-38	-38	PG	46	-40	PG	46	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7050085	ALBERTVILLE	67.35	48.30	335	-31	3	26	1		26	44	-31	-31	PG	46	-34	PG	46	-34	PG	52	-34	PG	52	-34	PG	52	-34	PG	52	-34
PQ	7090120	AMOS	78.13	48.57	310	-42	4	28	2		28	46	-42	-42	PG	46	-46	PG	46	-46	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7050140	AMQUI	67.45	48.52	183	-32	6	27	2		27	45	-32	-32	PG	46	-34	PG	46	-34	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7030170	ANGERS	75.50	45.53	107	-35	3	30	1		30	49	-35	-35	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7050200	ANTICOSTI SW POINT	63.55	49.40	7	-26	5	20	2		20	38	-26	-26	PG	<46	-28	PG	<46	-28	PG	46	-34	PG	46	-34	PG	46	-34	PG	46	-34
PQ	7050240	ARMAGH	70.53	46.75	358	-31	3	28	2		28	47	-31	-31	PG	52	-34	PG	52	-34	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7050245	ARMAGH STATION	70.62	46.72	312	-32	4	27	1		27	46	-32	-32	PG	46	-34	PG	46	-34	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7030310	ARUNDEL	74.62	45.95	191	-39	3	29	1		29	48	-39	-39	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7060320	ARVIDA	71.17	48.43	102	-35	3	28	3		28	46	-35	-35	PG	46	-40	PG	46	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7020360	ASBESTOS	71.95	45.77	229	-31	3	28	2		28	47	-31	-31	PG	52	-34	PG	52	-34	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7060400	BAGOIVILLE A	71.00	48.33	159	-35	4	29	2		29	47	-35	-35	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7040440	BAIE COMEAU A	68.20	49.13	21	-34	5	24	2		24	42	-34	-34	PG	46	-34	PG	46	-34	PG	46	-40	PG	46	-40	PG	46	-40	PG	46	-40
PQ	7040446	BAIE JOHAN BEETZ	62.80	50.28	8	-32	4	22	1		22	40	-32	-32	PG	<46	-34	PG	<46	-34	PG	46	-40	PG	46	-40	PG	46	-40	PG	46	-40
PQ	7040446	BAIE ST PAUL	70.50	47.43	15	-31	3	28	2		28	46	-31	-31	PG	52	-34	PG	52	-34	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7070448	BARRAGE A LAC KEMPT	74.18	47.55	421	-41	3	27	3		27	45	-41	-41	PG	46	-46	PG	46	-46	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7080449	BARRAGE CABONGA	76.47	47.32	366	-37	3	28	2		28	46	-37	-37	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7080452	BARRAGE DES QUINZE	79.23	47.55	265	-37	3	29	3		29	47	-37	-37	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7070454	BARRAGE GOUIN	74.10	48.35	404	-38	4	27	2		27	45	-38	-38	PG	46	-40	PG	46	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7050455	BARRAGE LAC MORIN	69.52	47.65	198	-35	3	27	2		27	45	-35	-35	PG	46	-40	PG	46	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7070456	BARRAGE MATAWIN	73.65	46.85	366	-39	3	28	2		28	46	-39	-39	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7030457	BARRAGE MERCIER	75.98	46.72	236	-36	3	29	2		29	47	-36	-36	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7030462	BARRAGE MITCHINAMECUS	75.17	47.22	390	-39	3	28	2		28	46	-39	-39	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7050463	BARRAGE MITIS	67.90	48.33	267	-34	4	28	2		28	46	-34	-34	PG	46	-34	PG	46	-34	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7070464	BARRAGE MONDONAC	73.93	47.45	457	-39	3	28	2		28	46	-39	-39	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7080468	BARRAGE TEMISCAMINGUE	79.10	46.72	181	-33	3	30	3		30	48	-33	-33	PG	52	-34	PG	52	-34	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7020560	BEAUCEVILLE	70.77	46.20	160	-35	3	29	2		29	48	-35	-35	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7020570	BECANCOUR	72.43	46.33	15	-33	4	29	3		29	48	-33	-33	PG	52	-34	PG	52	-34	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7080600	BELLETERRE	78.70	47.38	322	-41	3	28	3		28	46	-41	-41	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7040680	BERSIMIS	68.62	48.97	46	-32	6	24	3		24	42	-32	-32	PG	46	-34	PG	46	-34	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7010720	BERTHERVILLE	73.18	46.05	12	-35	4	29	2		29	48	-35	-35	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7050760	BIC	68.70	48.37	18	-29	3	26	2		26	44	-29	-29	PG	46	-34	PG	46	-34	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7050762	BIC	68.67	48.40	23	-28	4	26	3		26	44	-28	-28	PG	46	-28	PG	46	-28	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7050790	BIRD ROCKS	61.13	47.85	32	-21	6	20	3		20	39	-21	-21	PG	<46	-22	PG	<46	-22	PG	46	-28	PG	46	-28	PG	46	-28	PG	46	-28
PQ	7060825	BONNARD	71.05	50.73	506	-43	3	25	2		25	42	-43	-43	PG	46	-46	PG	46	-46	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7020828	BONSECOURS	72.27	45.40	297	-34	2	27	1		27	46	-34	-34	PG	52	-34	PG	52	-34	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7020860	BROMPTONVILLE	71.97	45.50	130	-34	4	29	2		29	48	-34	-34	PG	52	-34	PG	52	-34	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7030874	BUCKINGHAM	75.42	45.58	137	-34	4	29	1		29	48	-34	-34	PG	52	-34	PG	52	-34	PG	52	-40	PG	52	-40	PG	52	-40	PG	52	-40
PQ	7020885	BURY	71.48	45.52	378	-35	3	28	1		28	47	-35	-35	PG	52	-40	PG	52	-40	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7051040	CAP CHAT	66.75	49.08	37	-26	3	23	1		23	41	-26	-26	PG	46	-28	PG	46	-28	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46
PQ	7011170	CAP ROUGE	71.30	46.77	12	-31	4	28	2		28	47	-31	-31	PG	52	-34	PG	52	-34	PG	52	-46	PG	52	-46	PG	52	-46	PG	52	-46

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY											
						TEMPERATURES					GRADE					TEMPERATURES					GRADE						
						LOW TEMP		HIGH TEMP		STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR		MAX PVT		MIN AIR	MIN PVT	PG	HT	LT	
						AVG	STD	AVG	STD									MAX	AIR	MAX	PVT						MAX
PQ	7051175	CAP SEIZE	66.40	49.02	229	-32	3	26	2	2	26	44	-32	-32	-32	47	35	-35	-35	29	47	35	-35	-35	PG	52	-40
PQ	7051120	CAPLAN	65.68	48.10	23	-26	3	26	2	2	26	44	-26	-26	-26	48	-30	-30	-30	30	48	-30	-30	-30	PG	52	-34
PQ	7051200	CAUSAPSCAL	67.23	48.37	168	-35	4	28	2	2	28	46	-35	-35	-35	49	-38	-38	-38	31	49	-38	-38	-38	PG	52	-40
PQ	7051240	CAUSAPSCAL RECHERCHES	67.17	48.50	332	-34	7	26	2	2	26	44	-34	-34	-34	47	-38	-38	-38	30	47	-38	-38	-38	PG	52	-40
PQ	7091305	CHAPAIS 2	74.85	49.78	396	-39	3	27	2	2	27	45	-39	-39	-39	48	-43	-43	-43	31	48	-43	-43	-43	PG	52	-46
PQ	7031360	CHELSEA	75.78	45.52	112	-33	3	30	2	2	30	49	-33	-33	-33	52	-37	-37	-37	34	52	-37	-37	-37	PG	58	-40
PQ	7091400	CHIBOUGAMAU	74.37	49.92	378	-42	3	26	3	3	26	44	-42	-42	-42	50	-49	-49	-49	33	50	-49	-49	-49	PG	52	-52
PQ	7061475	CHUTE A LA SAVANE	71.85	48.78	140	-40	5	27	2	2	27	45	-40	-40	-40	48	-44	-44	-44	31	48	-44	-44	-44	PG	52	-46
PQ	7061480	CHUTE A MURDOCK	71.25	48.52	188	-40	3	29	4	4	29	47	-40	-40	-40	54	-47	-47	-47	36	54	-47	-47	-47	PG	58	-52
PQ	7061520	CHUTE AUX GALETS	71.20	48.65	152	-42	5	27	3	3	27	45	-42	-42	-42	51	-49	-49	-49	34	51	-49	-49	-49	PG	52	-52
PQ	7061560	CHUTE DU DIABLE	71.70	48.75	174	-40	5	27	2	2	27	45	-40	-40	-40	48	-44	-44	-44	31	48	-44	-44	-44	PG	52	-46
PQ	7021580	CHUTE HEMMINGS	72.45	45.87	87	-34	3	29	2	2	29	48	-34	-34	-34	52	-38	-38	-38	33	52	-38	-38	-38	PG	52	-40
PQ	7011600	CHUTE PANET	71.87	46.87	152	-37	4	29	2	2	29	47	-37	-37	-37	51	-40	-40	-40	32	51	-40	-40	-40	PG	52	-46
PQ	7021840	COATICOOK	71.80	45.15	259	-32	3	28	2	2	28	47	-32	-32	-32	50	-35	-35	-35	31	50	-35	-35	-35	PG	52	-40
PQ	7011947	COTEAU DU LAC	74.17	45.32	49	-32	3	29	1	1	29	48	-32	-32	-32	53	-42	-42	-42	31	53	-42	-42	-42	PG	58	-46
PQ	702A9ND	DAVELUYVILLE	72.20	46.18	84	-36	5	29	3	3	29	48	-36	-36	-36	51	-40	-40	-40	35	51	-40	-40	-40	PG	52	-46
PQ	7022000	DISRAELI	71.32	45.92	350	-36	4	28	2	2	28	47	-36	-36	-36	51	-40	-40	-40	32	51	-40	-40	-40	PG	52	-46
PQ	7012070	DONNACONA	71.75	46.67	11	-31	4	29	2	2	29	48	-31	-31	-31	50	-35	-35	-35	31	50	-35	-35	-35	PG	52	-40
PQ	7012071	DONNACONA 2	71.73	46.68	46	-33	3	28	2	2	28	47	-33	-33	-33	52	-36	-36	-36	31	49	-36	-36	-36	PG	52	-40
PQ	7022160	DRUMMONDVILLE	72.48	45.88	82	-32	4	30	2	2	30	49	-32	-32	-32	52	-35	-35	-35	33	52	-35	-35	-35	PG	52	-40
PQ	7012240	DUCHESNAY	71.65	46.87	166	-36	3	28	2	2	28	46	-36	-36	-36	50	-39	-39	-39	31	50	-39	-39	-39	PG	52	-46
PQ	7022280	EAST ANGUS	71.67	45.48	189	-35	4	30	2	2	30	49	-35	-35	-35	52	-38	-38	-38	33	52	-38	-38	-38	PG	52	-40
PQ	7022300	EAST HEREFORD	71.50	45.08	358	-37	3	28	2	2	28	47	-37	-37	-37	50	-40	-40	-40	31	50	-40	-40	-40	PG	52	-46
PQ	7092305	EASTMAIN	78.52	52.25	6	-43	3	25	1	1	25	42	-43	-43	-43	44	-46	-46	-46	28	44	-46	-46	-46	PG	46	-46
PQ	7022320	FARNHAM	72.93	45.30	69	-34	3	30	2	2	30	49	-34	-34	-34	52	-37	-37	-37	33	52	-37	-37	-37	PG	52	-40
PQ	7032370	FERME NEUVE	75.45	46.70	213	-43	4	29	1	1	29	48	-43	-43	-43	50	-40	-40	-40	31	50	-40	-40	-40	PG	52	-46
PQ	7022375	FLEURY	73.00	45.80	30	-34	3	29	2	2	29	48	-34	-34	-34	51	-37	-37	-37	32	51	-37	-37	-37	PG	52	-40
PQ	7042378	FORESTVILLE	69.08	48.73	76	-32	3	27	2	2	27	45	-32	-32	-32	48	-36	-36	-36	31	48	-36	-36	-36	PG	52	-40
PQ	7042388	FORET MONTMORENCY	71.15	47.32	640	-37	3	25	2	2	25	43	-37	-37	-37	46	-40	-40	-40	28	46	-40	-40	-40	PG	52	-40
PQ	7092480	FORT GEORGE	79.00	53.83	7	-42	7	22	3	3	22	38	-42	-42	-42	44	-48	-48	-48	28	44	-48	-48	-48	PG	46	-52
PQ	7022553	FRAMPTON	70.83	46.43	427	-30	5	25	4	4	25	44	-30	-30	-30	51	-37	-37	-37	32	51	-37	-37	-37	PG	52	-40
PQ	7042590	GAGNON A	68.13	51.95	575	-40	3	22	5	5	22	39	-40	-40	-40	48	-38	-38	-38	31	48	-38	-38	-38	PG	52	-52
PQ	7022596	GARTHBY	71.38	45.83	251	-35	3	28	2	2	28	47	-35	-35	-35	50	-33	-33	-33	31	50	-33	-33	-33	PG	52	-40
PQ	7052600	GASPE	64.48	48.83	30	-29	4	27	2	2	27	45	-29	-29	-29	49	-33	-33	-33	31	49	-33	-33	-33	PG	52	-34
PQ	7052605	GASPE A	64.48	48.77	33	-29	3	26	2	2	26	44	-29	-29	-29	48	-34	-34	-34	30	48	-34	-34	-34	PG	52	-34
PQ	7022800	GRANBY	72.70	45.38	168	-30	3	29	2	2	29	48	-30	-30	-30	52	-34	-34	-34	33	52	-34	-34	-34	PG	52	-40
PQ	7042870	GRAND FONDS	70.12	47.75	366	-37	3	27	2	2	27	45	-37	-37	-37	48	-40	-40	-40	30	48	-40	-40	-40	PG	52	-46
PQ	7082880	GRAND LAC VICTORIA	77.37	47.83	329	-42	5	27	4	4	27	45	-42	-42	-42	54	-51	-51	-51	36	54	-51	-51	-51	PG	58	-52
PQ	7052820	GRANDE RIVIERE	64.52	48.38	15	-27	6	23	2	2	23	41	-27	-27	-27	44	-30	-30	-30	26	44	-30	-30	-30	PG	46	-34
PQ	7052865	GRANDE VALLEE	65.15	49.20	8	-27	6	26	2	2	26	44	-27	-27	-27	47	-34	-34	-34	29	47	-34	-34	-34	PG	52	-34
PQ	7042840	GRANDES BERGERONNES	69.52	48.25	61	-30	4	25	2	2	25	43	-30	-30	-30	46	-25	-25	-25	29	46	-25	-25	-25	PG	46	-28
PQ	7052960	GRINDSTONE ISLAND	61.87	47.38	60	-21	3	23	2	2	23	42	-21	-21	-21	46	-20	-20	-20	27	46	-20	-20	-20	PG	46	-28
PQ	7032997	HARRINGTON FOREST FARM	74.63	45.85	183	-37	3	29	2	2	29	48	-37	-37	-37	51	-40	-40	-40	32	51	-40	-40	-40	PG	52	-40

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES						TEMPERATURES						GRADE	
						AVG	STD	HIGH	TEMP	STD	AVG	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	PG	HT
PQ	7043000	HARRINGTON HARBOR	59.50	50.53	8	-30	6	18	1	1	18	36	-30	-30	-30	PG	<46	PG	<46
PQ	7043012	HAVRE ST PIERRE	63.58	50.25	6	-31	3	21	1	1	21	39	-31	-31	-31	PG	<46	PG	<46
PQ	7023075	HEMINGFORD FOUR WINDS	73.72	45.07	61	-33	4	30	2	2	30	49	-33	-33	-33	PG	52	PG	52
PQ	7063090	HEMON	72.60	49.10	183	-45	3	28	2	2	28	46	-45	-45	-45	PG	46	PG	46
PQ	7033120	HIGH FALLS	75.65	45.85	189	-36	3	29	2	2	29	48	-36	-36	-36	PG	52	PG	52
PQ	7063140	HONFLEUR	70.87	46.68	213	-32	4	27	2	2	27	46	-32	-32	-32	PG	52	PG	52
PQ	7033160	HUBERDEAU	74.63	45.97	213	-35	4	29	2	2	29	48	-35	-35	-35	PG	52	PG	52
PQ	7023240	HUNTINGDON	74.17	45.05	49	-33	4	30	2	2	30	49	-33	-33	-33	PG	52	PG	52
PQ	7023270	IBERVILLE	73.25	45.33	30	-30	2	29	2	2	29	48	-30	-30	-30	PG	52	PG	52
PQ	704CBGH	ILE AUX COUDRES	70.38	47.38	15	-27	2	25	2	2	25	43	-27	-27	-27	PG	46	PG	46
PQ	7113280	INDIAN HOUSE LAKE	64.73	56.23	311	-41	4	22	3	3	22	37	-41	-41	-41	PG	<46	PG	<46
PQ	7103282	INUUKJAK	78.12	58.45	3	-40	3	18	3	3	18	32	-40	-40	-40	PG	<46	PG	<46
PQ	7013360	JOLIETTE	73.43	46.03	59	-34	4	30	2	2	30	49	-34	-34	-34	PG	52	PG	52
PQ	7013362	JOLIETTE VILLE	73.42	46.00	46	-31	3	30	1	1	30	49	-31	-31	-31	PG	52	PG	52
PQ	7063400	KENOGAMI	71.25	48.42	116	-36	3	29	2	2	29	47	-36	-36	-36	PG	52	PG	52
PQ	7083480	KIPAWA LANIEL	79.27	47.05	280	-38	4	28	2	2	28	46	-38	-38	-38	PG	52	PG	52
PQ	7113534	KUJUAJAK A	68.42	58.10	34	-41	3	22	2	2	22	36	-41	-41	-41	PG	<46	PG	<46
PQ	7103536	KUJUAJAPAK A	77.77	55.28	21	-42	3	21	4	4	21	37	-42	-42	-42	PG	<46	PG	<46
PQ	7034040	L'ANNONCIATION	74.87	46.42	244	-40	5	29	2	2	29	48	-40	-40	-40	PG	52	PG	52
PQ	7014160	L'ASSOMPTION CDA	73.43	45.82	21	-36	3	30	2	2	30	49	-36	-36	-36	PG	52	PG	52
PQ	7093710	LA FERME	78.17	48.58	320	-42	3	28	3	3	28	46	-42	-42	-42	PG	46	PG	46
PQ	7043960	LA MALBAIE	70.15	47.67	23	-31	5	27	3	3	27	45	-31	-31	-31	PG	46	PG	46
PQ	7024080	LA PAIRIE	71.25	45.40	381	-36	3	28	2	2	28	47	-36	-36	-36	PG	52	PG	52
PQ	7054095	LA POCAITERIE CDA	70.03	47.35	30	-29	3	28	2	2	28	46	-29	-29	-29	PG	52	PG	52
PQ	7094120	LA SARRE	79.22	48.78	244	-42	3	27	3	3	27	45	-42	-42	-42	PG	46	PG	46
PQ	7074240	LA TUQUE	72.78	47.40	152	-37	3	30	2	2	30	48	-37	-37	-37	PG	52	PG	52
PQ	7043540	LABRIEVILLE B1	69.55	49.30	152	-39	3	29	2	2	29	47	-39	-39	-39	PG	52	PG	52
PQ	701LEEH	LAC AUX SABLES	72.40	46.87	160	-37	5	28	2	2	28	46	-37	-37	-37	PG	52	PG	52
PQ	7063560	LAC BOUCHETTE	72.18	48.27	320	-40	4	27	2	2	27	45	-40	-40	-40	PG	46	PG	46
PQ	7083630	LAC DOZOIS (BGE BOURQUE)	77.30	47.63	351	-37	4	26	3	3	26	44	-37	-37	-37	PG	46	PG	46
PQ	7033665	LAC KIAMIKA	75.12	46.62	283	-39	4	28	2	2	28	47	-39	-39	-39	PG	52	PG	52
PQ	7023677	LAC MEGANTIC 2	70.88	45.60	465	-33	3	27	2	2	27	46	-33	-33	-33	PG	46	PG	46
PQ	7063683	LAC ONATCHWAY	71.03	48.90	305	-41	3	27	2	2	27	45	-41	-41	-41	PG	46	PG	46
PQ	7063690	LAC SIE CROIX	71.75	48.42	152	-37	3	27	2	2	27	45	-37	-37	-37	PG	46	PG	46
PQ	7033650	LACHUTE	74.33	45.65	91	-33	3	30	1	1	30	49	-33	-33	-33	PG	52	PG	52
PQ	7043740	LAKE EON	63.28	51.87	561	-41	3	22	2	2	22	39	-41	-41	-41	PG	<46	PG	<46
PQ	7023800	LAKE MEGANTIC	70.88	45.60	400	-33	4	28	2	2	28	47	-33	-33	-33	PG	52	PG	52
PQ	7053980	LAMARTINE	70.35	47.08	92	-29	3	28	1	1	28	46	-29	-29	-29	PG	52	PG	52
PQ	7024000	LAMBTON	71.08	45.83	366	-30	6	28	3	3	28	47	-30	-30	-30	PG	52	PG	52
PQ	7024100	LAPRAIRIE	73.43	45.38	30	-30	3	30	2	2	30	49	-30	-30	-30	PG	52	PG	52
PQ	7064180	LATERRIERE	71.13	48.30	152	-37	4	27	1	1	27	45	-37	-37	-37	PG	46	PG	46
PQ	7024250	LAURIERVILLE	71.67	46.33	152	-34	4	29	2	2	29	48	-34	-34	-34	PG	52	PG	52
PQ	7014260	LAVALRIE CDA	73.32	45.93	30	-34	3	30	1	1	30	49	-34	-34	-34	PG	52	PG	52

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										95% RELIABILITY											
						TEMPERATURES					TEMPERATURES					TEMPERATURES					TEMPERATURES						
						AVG	STD	HIGH	TEMP	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	GRADE	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	GRADE	PG	HT	LT	
PQ	7094275	LEBEL SUR QUEVILLON	76.97	49.05	304	-38	6	27	2	2	27	45	-38	-38	PG	46	-40	31	48	-42	-42	PG	52	-46	PG	52	-46
PQ	7024280	LENNOXVILLE CDA	71.83	45.37	159	-36	4	29	2	2	29	48	-36	-36	PG	52	-40	33	51	-40	-40	PG	52	-40	PG	52	-40
PQ	7014290	LES CEDRES	74.05	45.30	47	-29	4	29	1	1	29	48	-29	-29	PG	52	-34	32	51	-32	-32	PG	52	-34	PG	52	-34
PQ	7044292	LES BOULEMENTS	70.32	47.48	305	-31	3	24	2	2	24	42	-31	-31	PG	46	-34	29	47	-36	-36	PG	52	-40	PG	52	-40
PQ	7014332	LOUISEVILLE	73.02	46.27	45	-34	5	29	2	2	29	48	-34	-34	PG	52	-34	32	51	-37	-37	PG	52	-40	PG	52	-40
PQ	7054355	LUCEVILLE	68.37	48.52	38	-28	3	27	1	1	27	45	-28	-28	PG	46	-28	30	48	-31	-31	PG	52	-34	PG	52	-34
PQ	7024400	MACDONALD COLLEGE	73.93	45.42	27	-30	3	30	2	2	30	49	-30	-30	PG	52	-34	34	52	-34	-34	PG	58	-34	PG	58	-34
PQ	7024440	MAGOG	72.12	45.27	274	-31	3	28	1	1	28	47	-31	-31	PG	52	-34	31	50	-34	-34	PG	52	-40	PG	52	-40
PQ	7044453	MANIC 2 LB1	68.40	49.30	122	-35	7	28	2	2	28	46	-35	-35	PG	46	-40	32	50	-39	-39	PG	52	-40	PG	52	-40
PQ	7034480	MANIWAKI	75.97	46.38	170	-37	4	29	2	2	29	48	-37	-37	PG	52	-40	32	51	-40	-40	PG	52	-46	PG	52	-46
PQ	7034481	MANIWAKI 2	75.98	46.38	174	-37	5	30	2	2	30	49	-37	-37	PG	52	-40	34	53	-41	-41	PG	58	-46	PG	58	-46
PQ	7084560	MANNEVILLE	78.48	48.55	311	-42	4	27	3	3	27	45	-42	-42	PG	46	-46	32	50	-47	-47	PG	52	-52	PG	52	-52
PQ	7074600	MANOUAN SANMAUR	73.80	47.90	357	-41	3	28	2	2	28	46	-41	-41	PG	52	-46	29	46	-45	-45	PG	52	-46	PG	52	-46
PQ	7064620	MANUAN LAKE	70.53	50.63	495	-42	3	25	2	2	25	42	-42	-42	PG	46	-46	32	50	-46	-46	PG	52	-46	PG	52	-46
PQ	7054640	MATANE	67.47	48.85	30	-28	3	24	3	3	24	42	-28	-28	PG	46	-28	31	48	-35	-35	PG	52	-40	PG	52	-40
PQ	7024800	MEGANTIC A	70.87	45.58	415	-33	3	27	2	2	27	46	-33	-33	PG	46	-34	31	49	-37	-37	PG	52	-40	PG	52	-40
PQ	7024920	MILAN	71.12	45.58	482	-33	3	26	2	2	26	45	-33	-33	PG	46	-34	29	48	-36	-36	PG	52	-40	PG	52	-40
PQ	7064998	MISTASSINI	72.20	48.85	122	-41	3	28	2	2	28	46	-41	-41	PG	46	-46	31	48	-50	-50	PG	52	-52	PG	52	-52
PQ	7095000	MISTASSINI POST	73.88	50.42	380	-44	3	25	3	3	25	42	-44	-44	PG	46	-46	32	50	-45	-45	PG	52	-46	PG	52	-46
PQ	7065100	MONT APICA	71.42	47.97	549	-37	3	26	2	2	26	44	-37	-37	PG	46	-40	29	47	-40	-40	PG	52	-40	PG	52	-40
PQ	7055120	MONT JOLI A	68.22	48.60	48	-28	3	26	2	2	26	44	-28	-28	PG	46	-28	32	51	-31	-31	PG	52	-34	PG	52	-34
PQ	7035160	MONT LAURIER	75.55	46.57	244	-38	4	29	2	2	29	48	-38	-38	PG	52	-40	33	51	-41	-41	PG	52	-46	PG	52	-46
PQ	7035158	MONT LAURIER	75.50	46.57	244	-39	3	29	2	2	29	48	-39	-39	PG	52	-40	29	47	-29	-29	PG	52	-34	PG	52	-34
PQ	7055200	MONT LOUIS	65.73	49.23	15	-26	5	26	2	2	26	44	-26	-26	PG	46	-28	33	52	-38	-38	PG	58	-40	PG	58	-40
PQ	7035110	MONTBELLO (SEDBERGH)	74.93	45.70	197	-33	4	28	3	3	28	47	-33	-33	PG	52	-40	32	51	-43	-43	PG	52	-46	PG	52	-46
PQ	7035112	MONTBELLO SEIGNIOY	74.95	45.65	52	-35	3	30	2	2	30	49	-35	-35	PG	52	-40	33	51	-43	-43	PG	52	-46	PG	52	-46
PQ	7055210	MONTMAGNY	70.58	46.97	15	-29	3	28	2	2	28	46	-29	-29	PG	52	-34	31	50	-32	-32	PG	52	-34	PG	52	-34
PQ	7025257	MONTREAL JAR BOT	73.55	45.57	46	-29	3	30	2	2	30	49	-29	-29	PG	52	-34	33	52	-32	-32	PG	58	-34	PG	58	-34
PQ	7025260	MONTREAL JEAN BREBEUF	73.62	45.50	133	-27	3	29	1	1	29	48	-27	-27	PG	52	-28	32	51	-30	-30	PG	52	-34	PG	52	-34
PQ	7025250	MONTREAL/DORVAL INTL A	73.75	45.47	31	-29	3	30	2	2	30	49	-29	-29	PG	52	-34	33	52	-32	-32	PG	58	-34	PG	58	-34
PQ	7055380	MURDOCHVILLE	65.52	48.95	575	-31	3	25	2	2	25	43	-31	-31	PG	46	-34	29	47	-35	-35	PG	52	-40	PG	52	-40
PQ	7045400	NATASHQUAN A	61.82	50.18	7	-32	3	21	2	2	21	39	-32	-32	PG	46	-28	25	42	-36	-36	PG	46	-40	PG	46	-40
PQ	7055420	NEW CARLISLE	65.27	48.03	45	-26	5	26	2	2	26	44	-26	-26	PG	46	-28	29	47	-29	-29	PG	52	-34	PG	52	-34
PQ	7055430	NEW RICHMOND	65.80	48.17	47	-31	4	26	1	1	26	44	-31	-31	PG	46	-34	32	51	-35	-35	PG	52	-40	PG	52	-40
PQ	7025440	NICOLET	72.62	46.20	30	-32	4	29	2	2	29	48	-32	-32	PG	46	-34	28	46	-42	-42	PG	52	-46	PG	52	-46
PQ	7095480	NITCHEQUON	70.90	53.20	536	-44	3	23	2	2	23	39	-44	-44	PG	46	-46	31	49	-44	-44	PG	52	-46	PG	52	-46
PQ	7035520	NOMININGUE	75.05	46.38	305	-38	5	29	2	2	29	48	-38	-38	PG	52	-40	32	51	-39	-39	PG	52	-40	PG	52	-40
PQ	7065640	NORMANDIN CDA	72.53	48.85	137	-41	3	28	2	2	28	46	-41	-41	PG	46	-46	33	51	-44	-44	PG	52	-46	PG	52	-46
PQ	7045672	NOTRE DAME DES MONTIS	70.42	47.67	267	-34	3	27	3	3	27	45	-34	-34	PG	46	-34	32	50	-39	-39	PG	52	-40	PG	52	-40
PQ	7055675	NOTRE DAME DU LAC	68.80	47.60	320	-33	3	28	2	2	28	46	-33	-33	PG	52	-34	31	49	-36	-36	PG	52	-40	PG	52	-40
PQ	7035680	NOTRE DAME DU LAUS	75.63	46.12	213	-36	3	29	2	2	29	48	-36	-36	PG	52	-40	32	51	-39	-39	PG	52	-40	PG	52	-40
PQ	7055705	NOUVELLE	66.30	48.10	7	-29	3	27	2	2	27	45	-29	-29	PG	46	-34	30	48	-32	-32	PG	52	-34	PG	52	-34
PQ	7015730	OKA	74.07	45.50	91	-30	5	30	2	2	30	49	-30	-30	PG	52	-34	33	52	-33	-33	PG	52	-34	PG	52	-34

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						LOW TEMP			TEMPERATURES			TEMPERATURES			TEMPERATURES			GRADE	
						AVG	STD	HIGH	AVG	STD	TEMP	MAX AIR	MAX PVT	MIN AIR	MIN PVT	HT	LT	PG	HT
PQ	7025745	ORMSTOWN	74.05	45.12	46	-32	3	30	1			30	49	-32	-32	PG	52	PG	52
PQ	7055770	OUIMET	68.20	48.32	305	-37	3	27	2			27	45	-37	-37	PG	46	PG	52
PQ	7075800	PARENT (AUT)	74.62	47.92	442	-43	3	28	2			28	46	-43	-43	PG	52	PG	52
PQ	7065840	PASSE DANGEREUSE DAM	71.27	49.88	457	-41	4	27	3			27	44	-41	-41	PG	46	PG	52
PQ	7055920	PERCE	64.20	48.52	88	-26	5	23	2			23	41	-26	-26	PG	46	PG	46
PQ	7065960	PERIBONCA	72.03	48.77	107	-43	4	26	2			26	44	-43	-43	PG	46	PG	52
PQ	7046010	PETIT SAGUENAY	70.05	48.18	122	-33	4	28	2			28	46	-33	-33	PG	52	PG	52
PQ	7026040	PHILIPSBURG	73.08	45.03	53	-31	3	30	2			30	49	-31	-31	PG	52	PG	52
PQ	7036063	POINTE AU CHENE	74.80	45.65	46	-31	3	29	2			29	48	-31	-31	PG	52	PG	52
PQ	7056120	PORT DANIEL	64.98	48.15	69	-29	4	27	2			27	45	-29	-29	PG	46	PG	52
PQ	7056200	PORT MENIER	64.35	49.82	5	-30	4	22	2			22	40	-30	-30	PG	46	PG	46
PQ	7066080	PORTAGE DES ROCHES	71.22	48.30	165	-37	3	28	2			28	46	-37	-37	PG	52	PG	52
PQ	7096215	POULARIES	78.98	48.68	290	-42	4	27	2			27	45	-42	-42	PG	46	PG	52
PQ	7056240	PRICE	68.13	48.60	73	-31	4	27	2			27	45	-31	-31	PG	46	PG	52
PQ	7016280	QUEBEC	71.22	46.80	90	-30	3	28	2			28	47	-30	-30	PG	52	PG	52
PQ	7016294	QUEBEC A	71.38	46.80	70	-31	3	29	2			29	47	-31	-31	PG	52	PG	52
PQ	7076360	RAPIDE BLANC	72.97	47.80	277	-40	3	28	2			28	46	-40	-40	PG	52	PG	52
PQ	7026465	RICHMOND	72.13	45.63	123	-35	4	29	2			29	48	-35	-35	PG	52	PG	52
PQ	7016470	RIGAUD	74.28	45.47	35	-31	3	30	1			30	49	-31	-31	PG	52	PG	52
PQ	7056480	RIMOUSKI	68.52	48.45	36	-28	3	27	2			27	45	-28	-28	PG	46	PG	46
PQ	7056563	RIVIERE AU RENARD	64.40	49.02	41	-26	2	24	2			24	42	-26	-26	PG	46	PG	46
PQ	704FE0	RIVIERE AU TONNERRE	64.78	50.28	15	-33	5	22	1			22	40	-33	-33	PG	46	PG	46
PQ	7056600	RIVIERE BLEUE	69.03	47.43	213	-38	4	28	2			28	46	-38	-38	PG	52	PG	52
PQ	7046663	RIVIERE ST AUGUSTIN	58.63	51.22	8	-32	6	23	2			23	40	-32	-32	PG	46	PG	46
PQ	7016675	RIVIERE VERTE OUEST	71.83	46.98	213	-35	3	27	1			27	46	-35	-35	PG	46	PG	52
PQ	7066685	ROBERVAL A	72.27	48.52	179	-34	3	27	3			27	45	-34	-34	PG	46	PG	52
PQ	7066688	ROBERVAL NORD	72.23	48.53	102	-36	5	28	2			28	46	-36	-36	PG	46	PG	52
PQ	7026700	ROUGEMONT	73.10	45.43	40	-30	4	29	2			29	48	-30	-30	PG	52	PG	52
PQ	7026739	SACRE COEUR DE MARIE	71.17	46.13	468	-32	4	26	3			26	45	-32	-32	PG	46	PG	52
PQ	7027802	SAWYERVILLE NORD	71.53	45.37	346	-31	3	28	2			28	47	-31	-31	PG	52	PG	52
PQ	7117825	SCHIFFERVILLE A	66.82	54.80	522	-42	4	23	2			23	39	-42	-42	PG	46	PG	46
PQ	7027840	SCOTT	71.08	46.50	145	-33	4	28	2			28	47	-33	-33	PG	52	PG	52
PQ	7047910	SEPT-ILES A	66.27	50.22	55	-34	3	23	1			23	41	-34	-34	PG	46	PG	46
PQ	7018000	SHAWINIGAN	72.75	46.57	122	-33	4	29	2			29	48	-33	-33	PG	52	PG	52
PQ	7038040	SHAWVILLE	76.47	45.62	168	-34	3	30	1			30	49	-34	-34	PG	52	PG	52
PQ	7038080	SHEENBORO	77.25	45.97	137	-34	3	30	2			30	49	-34	-34	PG	52	PG	52
PQ	7028120	SHERBROOKE	71.90	45.40	181	-32	4	29	2			29	48	-32	-32	PG	52	PG	52
PQ	7028124	SHERBROOKE A	71.68	45.43	238	-35	3	28	1			28	47	-35	-35	PG	52	PG	52
PQ	7048160	SHIPSHAW	71.22	48.45	23	-37	3	29	2			29	47	-37	-37	PG	46	PG	52
PQ	7028200	SOREL	73.12	46.03	15	-33	3	30	2			30	49	-33	-33	PG	52	PG	52
PQ	7058220	SQUATECK	68.70	47.88	198	-36	4	28	2			28	46	-36	-36	PG	52	PG	52
PQ	7016800	ST ALBAN	72.08	46.72	76	-37	4	29	2			29	47	-37	-37	PG	52	PG	52
PQ	7056814	ST ALEXIS DE MATAPEDIA	67.07	47.98	274	-32	3	27	1			27	45	-32	-32	PG	46	PG	52

SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						TEMPERATURES			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT
						AVG	STD	HIGH	TEMP	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	LT	HT		
PQ	7016816	ST ALEXIS DES MONTS	73.15	46.53	183	-40	4	29	2	-40	4	29	2	-40	4	29	2	PG	52
PQ	7066820	ST AMBROISE	71.33	48.57	122	-41	6	28	2	-41	6	28	2	-41	6	28	2	PG	46
PQ	7026836	ST ANICET	74.35	45.13	53	-31	4	30	2	-31	4	30	2	-31	4	30	2	PG	52
PQ	7056890	ST ARSENE	69.38	47.95	76	-28	3	26	2	-28	3	26	2	-28	3	26	2	PG	46
PQ	7016900	ST AUGUSTIN	71.50	46.73	58	-31	3	28	1	-31	3	28	1	-31	3	28	1	PG	52
PQ	7026915	ST BENOIT LABRE	70.80	46.05	305	-33	4	28	2	-33	4	28	2	-33	4	28	2	PG	52
PQ	7026920	ST BRUNO	73.35	45.55	61	-28	4	30	2	-28	4	30	2	-28	4	30	2	PG	52
PQ	7056922	ST BRUNO KAMOURASKA	69.78	47.45	198	-33	3	28	1	-33	3	28	1	-33	3	28	1	PG	52
PQ	7056930	ST CAMILLE	70.22	46.48	396	-34	3	27	2	-34	3	27	2	-34	3	27	2	PG	46
PQ	7056970	ST CHARLES GARNIER	68.05	48.33	323	-30	3	26	2	-30	3	26	2	-30	3	26	2	PG	46
PQ	7057024	ST CLEMENT	69.10	47.92	259	-33	3	27	1	-33	3	27	1	-33	3	27	1	PG	46
PQ	7067060	ST COEUR DE MARIE	71.72	48.63	107	-38	5	28	2	-38	5	28	2	-38	5	28	2	PG	52
PQ	7017080	ST COME	73.75	46.28	244	-38	4	29	2	-38	4	29	2	-38	4	29	2	PG	52
PQ	7027083	ST COME DE LINIERE	70.52	46.05	244	-36	3	28	2	-36	3	28	2	-36	3	28	2	PG	52
PQ	7017100	ST DONAT	74.20	46.32	389	-36	3	28	2	-36	3	28	2	-36	3	28	2	PG	52
PQ	7057145	ST ELEUTHERE	69.28	47.48	274	-33	3	28	2	-33	3	28	2	-33	3	28	2	PG	52
PQ	7057160	ST ELZEAR DE BONAVENTURE	65.35	48.18	229	-31	6	26	3	-31	6	26	3	-31	6	26	3	PG	46
PQ	7037230	ST FAUSTIN	74.48	46.12	366	-34	2	28	1	-34	2	28	1	-34	2	28	1	PG	52
PQ	7047250	ST FEREO	70.83	47.12	229	-37	3	28	2	-37	3	28	2	-37	3	28	2	PG	52
PQ	7027259	ST FLAVIEN	71.57	46.48	137	-33	3	28	2	-33	3	28	2	-33	3	28	2	PG	52
PQ	70468FF	ST FRANCOIS IO	70.83	46.98	49	-29	2	29	1	-29	2	29	1	-29	2	29	1	PG	52
PQ	7017270	ST GABRIEL DE BRANDON	73.38	46.30	198	-33	4	29	2	-33	4	29	2	-33	4	29	2	PG	52
PQ	7027277	ST GEDEON	70.62	45.87	282	-35	5	28	2	-35	5	28	2	-35	5	28	2	PG	52
PQ	7027283	ST GEORGES	70.70	46.15	168	-37	3	29	2	-37	3	29	2	-37	3	29	2	PG	52
PQ	7027302	ST GUILLAUME	72.77	45.88	44	-34	3	30	2	-34	3	30	2	-34	3	30	2	PG	52
PQ	7057304	ST GUY	68.82	48.05	320	-32	3	26	2	-32	3	26	2	-32	3	26	2	PG	46
PQ	7027309	ST HILAIRE DORSET	70.87	45.87	506	-32	3	26	2	-32	3	26	2	-32	3	26	2	PG	46
PQ	704GC09	ST HILARION	70.40	47.60	411	-32	3	26	2	-32	3	26	2	-32	3	26	2	PG	46
PQ	7037310	ST HIPPOLYTE	74.00	45.98	366	-36	3	28	2	-36	3	28	2	-36	3	28	2	PG	52
PQ	7027320	ST HUBERT A	73.42	45.52	27	-30	3	30	2	-30	3	30	2	-30	3	30	2	PG	52
PQ	7027360	ST HYACINTHE	72.95	45.63	31	-31	3	30	2	-31	3	30	2	-31	3	30	2	PG	52
PQ	7017380	ST JACQUES	73.58	45.95	69	-34	3	30	2	-34	3	30	2	-34	3	30	2	PG	52
PQ	7057395	ST JEAN DE CHERBOURG	67.12	48.88	351	-33	4	25	1	-33	4	25	1	-33	4	25	1	PG	46
PQ	7037400	ST JEROME	74.05	45.80	169	-34	3	29	1	-34	3	29	1	-34	3	29	1	PG	52
PQ	7027440	ST LAURENT (COLLEGE)	73.67	45.52	99	-35	3	29	1	-35	3	29	1	-35	3	29	1	PG	52
PQ	7017445	ST LAZARE	74.20	45.40	88	-42	4	28	2	-42	4	28	2	-42	4	28	2	PG	46
PQ	7067460	ST LEON DE LABRECQUE	71.52	48.67	131	-35	7	30	2	-35	7	30	2	-35	7	30	2	PG	52
PQ	7017480	ST LIN DES LAURENTIDES	73.75	45.85	64	-33	3	27	3	-33	3	27	3	-33	3	27	3	PG	52
PQ	7027516	ST LUDGER	70.68	45.75	328	-33	3	27	3	-33	3	27	3	-33	3	27	3	PG	46
PQ	7057518	ST MALACHIE	70.82	46.55	213	-35	4	28	2	-35	4	28	2	-35	4	28	2	PG	52
PQ	7027520	ST MALO D AUCKLAND	71.50	45.20	564	-30	4	26	2	-30	4	26	2	-30	4	26	2	PG	46
PQ	7027560	ST MATHIEU LAPRAIRIE	73.53	45.35	30	-31	4	30	2	-31	4	30	2	-31	4	30	2	PG	52
PQ	7077570	ST MICHEL DES SAINTS	73.92	46.68	351	-39	3	28	2	-39	3	28	2	-39	3	28	2	PG	52

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY						98% RELIABILITY						GRADE	
						LOW TEMP			TEMPERATURES			TEMPERATURES			TEMPERATURES			PG	HT
						AVG	STD	HIGH	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	MAX AIR		
PQ	7027593	ST ODILON	70.65	46.35	358	-33	3	26	26	45	-33	-33	32	51	-39	-39	32	PG	52 -40
PQ	7057600	ST PAMPHILE	69.78	46.97	388	-31	4	27	27	46	-31	-31	31	49	-35	-35	31	PG	52 -40
PQ	7017640	ST PAULIN	73.02	46.42	167	-34	4	28	28	47	-34	-34	35	53	-41	-41	35	PG	58 -46
PQ	7027660	ST PROSPER	70.50	46.22	282	-36	4	28	28	47	-36	-36	31	50	-39	-39	31	PG	52 -40
PQ	7057680	ST RAPHAEL	70.75	46.82	107	-30	3	29	29	47	-30	-30	32	51	-33	-33	32	PG	52 -34
PQ	7027690	ST REMI	73.60	45.28	53	-30	3	30	30	49	-30	-30	33	52	-33	-33	33	PG	52 -34
PQ	7027733	ST SEVERIN	71.05	46.33	442	-32	3	26	26	45	-32	-32	32	50	-38	-38	32	PG	52 -40
PQ	7047735	ST SIMEON	69.87	47.85	15	-30	3	26	26	44	-30	-30	31	49	-35	-35	31	PG	52 -40
PQ	7027750	ST THEOPHILE	70.48	45.93	395	-32	3	27	27	46	-32	-32	31	50	-36	-36	31	PG	52 -40
PQ	7017760	ST TITE	72.57	46.73	142	-36	3	29	29	47	-36	-36	32	51	-39	-39	32	PG	52 -40
PQ	7047770	ST URBAIN	70.55	47.57	91	-33	3	28	28	46	-33	-33	31	49	-36	-36	31	PG	52 -40
PQ	7027785	ST TACHARIE	70.38	46.12	480	-32	3	26	26	45	-32	-32	30	48	-36	-36	30	PG	52 -40
PQ	7028280	STANSTEAD	72.10	45.02	320	-33	3	28	28	47	-33	-33	31	50	-36	-36	31	PG	52 -40
PQ	7036762	SIE AGATHE DES MONTS	74.28	46.05	399	-34	2	27	27	46	-34	-34	30	48	-37	-37	30	PG	52 -40
PQ	7036760	SIE AGATHE DES MONTS	74.28	46.05	366	-33	3	27	27	46	-33	-33	30	49	-36	-36	30	PG	52 -40
PQ	7026839	SIE ANNE DE BELLEVUE	73.93	45.43	39	-30	3	29	29	48	-30	-30	34	53	-35	-35	34	PG	58 -40
PQ	7016840	SIE ANNE DE LA PERADE	72.23	46.58	16	-35	4	29	29	48	-35	-35	32	51	-38	-38	32	PG	52 -40
PQ	7056850	SIE ANNE DES MONTS	66.47	49.13	15	-27	3	25	25	43	-27	-27	28	46	-44	-44	28	PG	46 -34
PQ	7036855	SIE ANNE DU LAC	75.33	46.85	262	-41	4	28	28	46	-41	-41	31	50	-44	-44	31	PG	52 -46
PQ	7016932	SIE CATHERINE	71.62	46.85	152	-34	3	27	27	46	-34	-34	34	52	-41	-41	34	PG	52 -46
PQ	7027040	SIE CLOTHILDE CDA	73.68	45.17	56	-33	4	30	30	49	-33	-33	33	52	-36	-36	33	PG	58 -40
PQ	7027267	SIE FRANCOISE ROMAINE	71.93	46.48	91	-35	3	28	28	47	-35	-35	31	50	-38	-38	31	PG	52 -40
PQ	7027280	SIE GENEVIEVE	73.85	45.50	23	-29	3	29	29	48	-29	-29	36	54	-36	-36	36	PG	58 -40
PQ	7057287	SIE GERMAINE	70.47	46.42	511	-33	2	26	26	45	-33	-33	29	48	-36	-36	29	PG	52 -40
PQ	7057515	SIE LUCIE	70.02	46.73	373	-36	7	27	27	46	-36	-36	30	48	-39	-39	30	PG	52 -40
PQ	7027540	SIE MARTINE	73.85	45.22	38	-32	3	30	30	49	-32	-32	33	52	-35	-35	33	PG	52 -40
PQ	7057650	SIE PERPETUE	69.93	47.05	411	-33	3	27	27	45	-33	-33	30	49	-36	-36	30	PG	52 -40
PQ	7057720	SIE ROSE DU DEGELS	68.63	47.57	151	-35	4	28	28	46	-35	-35	32	50	-39	-39	32	PG	52 -40
PQ	7017755	SIE THERESE OUEST	73.88	45.65	61	-34	3	30	30	49	-34	-34	32	51	-36	-36	32	PG	52 -40
PQ	7028295	SUTTON JONCTION	72.63	45.15	213	-31	3	29	29	48	-31	-31	31	50	-33	-33	31	PG	52 -34
PQ	7048320	TADOUSSAC	69.70	48.15	70	-30	4	26	26	44	-30	-30	30	48	-34	-34	30	PG	52 -34
PQ	7098360	TASCHEREAU	78.70	48.67	310	-43	4	27	27	45	-43	-43	32	49	-48	-48	32	PG	52 -52
PQ	7048421	TEIE A LA BAENE	59.32	50.70	9	-33	4	23	23	40	-33	-33	26	43	-36	-36	26	PG	46 -40
PQ	7028441	THEIFORD MINES	71.35	46.10	381	-31	3	27	27	46	-31	-31	30	49	-34	-34	30	PG	52 -40
PQ	7028440	THEIFORD MINES	71.32	46.07	311	-33	3	28	28	47	-33	-33	32	50	-37	-37	32	PG	52 -40
PQ	7038500	THURSO	75.27	45.60	55	-34	3	30	30	49	-34	-34	33	51	-37	-37	33	PG	52 -40
PQ	7058520	TRINITE DES MONTS	68.47	48.13	259	-33	3	27	27	45	-33	-33	30	48	-36	-36	30	PG	52 -40
PQ	7058560	TROIS PISTOLES	69.13	48.15	46	-27	3	27	27	45	-27	-27	31	49	-31	-31	31	PG	52 -34
PQ	7018564	TROIS RIVIERES	72.60	46.37	53	-33	3	30	30	49	-33	-33	34	52	-37	-37	34	PG	58 -40
PQ	7058590	VAL D ESPOIR	64.38	48.52	91	-34	3	26	26	44	-34	-34	29	47	-42	-42	29	PG	52 -40
PQ	7098600	VAL D'OR A	77.78	48.07	337	-39	3	28	28	46	-39	-39	31	49	-42	-42	31	PG	52 -46
PQ	7018577	VALCARTIER FES	71.50	46.95	184	-37	3	28	28	46	-37	-37	32	50	-41	-41	32	PG	52 -46
PQ	7028676	VALLEE JONCTION	70.93	46.38	152	-35	4	29	29	48	-35	-35	32	51	-38	-38	32	PG	52 -40

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY									
						TEMPERATURES					GRADE					TEMPERATURES					GRADE				
						AVG	STD	HIGH	TEMP	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	
PQ	7028680	VALLEYFIELD	74.10	45.28	46	-29	4	30	2	30	49	-29	-29	PG	52	-34	33	52	-32	PG	52	-34			
PQ	7028700	VERCHERES	73.37	45.77	15	-30	3	30	1	30	49	-30	-30	PG	52	-34	33	51	-33	PG	52	-34			
PQ	7028720	VICTORIAVILLE	71.97	46.05	137	-31	6	28	2	28	47	-31	-31	PG	52	-34	31	50	-34	PG	52	-40			
PQ	7088760	VILLE MARIE	79.43	47.35	213	-39	4	29	3	29	47	-39	-39	PG	52	-40	34	52	-44	PG	58	-46			
PQ	7038835	WAKEFIELD	75.90	45.60	152	-35	3	30	2	30	49	-35	-35	PG	52	-40	33	52	-38	PG	52	-40			
PQ	7028890	WARDEN	72.50	45.38	198	-36	3	29	2	29	48	-36	-36	PG	52	-40	32	51	-39	PG	52	-40			
PQ	7028906	WEST DITTON	71.30	45.40	508	-32	3	26	1	26	45	-32	-32	PG	46	-34	29	48	-35	PG	52	-40			
PQ	7038975	WRIGHT	76.05	46.07	142	-38	3	29	3	29	48	-38	-38	PG	52	-40	35	54	-44	PG	58	-46			
SK	4020020	ABBEY	108.78	50.70	695	-37	4	31	2	31	48	-37	-37	PG	52	-40	36	52	-42	PG	58	-46			
SK	4040120	ALSASK	110.00	51.38	701	-39	6	32	2	32	49	-39	-39	PG	52	-40	35	51	-42	PG	52	-46			
SK	4020130	ALSASK HARDENE	109.85	51.33	658	-38	5	31	2	31	48	-38	-38	PG	52	-40	36	53	-39	PG	58	-40			
SK	4010150	AMULET	104.73	49.62	728	-35	3	32	2	32	49	-35	-35	PG	52	-40	37	54	-42	PG	58	-46			
SK	4020160	ANEROID	107.30	49.72	754	-38	4	33	2	33	50	-38	-38	PG	52	-40	35	52	-43	PG	52	-46			
SK	4040180	ANGLIA	108.17	51.57	567	-39	5	31	2	31	48	-39	-39	PG	52	-40	33	49	-44	PG	52	-46			
SK	4080262	ARRAN 23N	101.63	52.20	450	-40	2	29	2	29	45	-40	-40	PG	46	-40	32	49	-42	PG	52	-46			
SK	4050275	ASQUITH	107.23	52.13	519	-40	3	30	1	30	46	-40	-40	PG	52	-40	34	50	-45	PG	52	-46			
SK	4070365	AYLSHAM	103.80	53.20	362	-39	4	28	3	28	44	-39	-39	PG	46	-40	34	51	-42	PG	52	-46			
SK	4010400	BANGOR	102.28	50.90	526	-39	3	31	2	31	48	-39	-39	PG	52	-46	37	53	-49	PG	58	-52			
SK	4040420	BATTLEFORD	108.33	52.68	494	-42	4	30	3	30	46	-42	-42	PG	52	-46	35	52	-42	PG	58	-46			
SK	4020560	BEECHY	107.32	50.77	660	-38	4	31	2	31	48	-38	-38	PG	52	-40	35	51	-43	PG	52	-46			
SK	4040600	BIGGAR	107.98	52.07	671	-39	4	31	2	31	47	-39	-39	PG	52	-40	34	51	-42	PG	52	-46			
SK	4010879	BROADVIEW	102.68	50.38	598	-38	4	30	2	30	47	-38	-38	PG	52	-40	34	51	-43	PG	52	-46			
SK	4010880	BROADVIEW A	102.53	50.25	620	-39	3	30	2	30	47	-39	-39	PG	52	-40	33	51	-43	PG	52	-46			
SK	4041000	BUTTE ST PIERRE	109.20	53.45	571	-46	4	28	3	28	44	-46	-46	PG	46	-46	33	49	-51	PG	52	-52			
SK	4021040	CADILLAC	107.75	49.72	785	-35	6	32	3	32	49	-35	-35	PG	52	-40	38	55	-41	PG	58	-46			
SK	4051080	CAMEO	106.53	53.28	480	-44	4	29	3	29	45	-44	-44	PG	46	-46	34	50	-49	PG	52	-52			
SK	4011095	CANORA	102.38	51.63	482	-41	4	30	2	30	47	-41	-41	PG	52	-46	33	50	-44	PG	52	-46			
SK	4011160	CARLYLE	102.27	49.63	631	-38	4	31	2	31	48	-38	-38	PG	52	-40	35	52	-42	PG	58	-46			
SK	4011440	CEYLON	104.60	49.47	713	-35	5	31	2	31	48	-35	-35	PG	52	-40	35	53	-39	PG	58	-40			
SK	4071560	CHOICELAND	104.48	53.50	442	-40	4	29	2	29	45	-40	-40	PG	46	-40	33	48	-44	PG	52	-46			
SK	4011580	CLAYBANK	105.22	50.05	643	-34	3	31	3	31	48	-34	-34	PG	52	-34	37	54	-40	PG	58	-40			
SK	4011846	COTE	101.80	51.52	457	-43	3	30	2	30	47	-43	-43	PG	52	-46	34	51	-47	PG	52	-52			
SK	4061861	CREE LAKE	107.13	57.35	497	-45	4	26	2	26	40	-45	-45	PG	46	-46	30	44	-49	PG	46	-52			
SK	4071960	CUMBERLAND HOUSE	102.30	53.97	271	-39	3	28	4	28	44	-39	-39	PG	46	-40	35	51	-46	PG	52	-46			
SK	4011980	CUPAR	104.27	50.85	556	-40	3	31	2	31	48	-40	-40	PG	52	-40	35	52	-44	PG	52	-46			
SK	4032000	CYPRESS HILLS PARK	109.48	49.67	1372	-36	7	28	3	28	46	-36	-36	PG	46	-40	33	49	-44	PG	52	-46			
SK	4012040	DAFOE A	104.57	51.93	540	-40	4	29	2	29	46	-40	-40	PG	46	-40	33	49	-44	PG	52	-46			
SK	4052070	DANA CFB	105.77	52.28	617	-37	4	28	2	28	45	-37	-37	PG	46	-40	33	49	-42	PG	52	-46			
SK	4012120	DAVIDSON	105.98	51.27	619	-39	3	31	2	31	48	-39	-39	PG	52	-40	36	52	-44	PG	58	-46			
SK	4052280	DUNDURN	106.50	51.80	529	-39	6	31	2	31	48	-39	-39	PG	52	-40	35	51	-43	PG	52	-46			
SK	4012300	DUVAL	104.85	51.17	591	-37	3	31	2	31	48	-37	-37	PG	52	-40	35	51	-41	PG	52	-46			
SK	4022328	EASTLEIGH	106.18	50.28	709	-37	3	31	2	31	48	-37	-37	PG	52	-40	35	52	-41	PG	52	-46			
SK	4012400	ESTEVAN A	102.97	49.22	571	-35	3	32	2	32	49	-35	-35	PG	52	-40	35	53	-38	PG	58	-40			

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	LOW TEMP				HIGH TEMP				50% RELIABILITY						98% RELIABILITY					
						AVG		STD		AVG		STD		TEMPERATURES			GRADE			TEMPERATURES			GRADE		
						AVG	STD	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT		
SK	4012485	FERTILE	101.45	49.33	511	-37	4	31	2	31	48	-37	-37	PG	52	-40	34	52	-40	-40	PG	52	-46		
SK	4012560	FOAM LAKE	103.53	51.63	558	-39	3	30	2	30	47	-39	-39	PG	52	-40	35	51	-44	-44	PG	52	-46		
SK	4012600	FORT QU'APPELLE	103.80	50.78	486	-41	4	32	3	32	49	-41	-41	PG	52	-46	38	54	-47	-47	PG	58	-52		
SK	4012720	FRANCIS	103.92	50.12	603	-39	4	31	2	31	48	-39	-39	PG	52	-40	35	52	-43	-43	PG	52	-46		
SK	4022800	GARDEN HEAD	108.57	49.82	905	-36	3	31	2	31	48	-36	-36	PG	52	-40	35	52	-40	-40	PG	52	-40		
SK	4042880	GLASLYN CDA EPF	108.27	53.33	690	-45	4	27	2	27	43	-45	-45	PG	46	-46	32	48	-50	-50	PG	52	-52		
SK	4012943	GOOD SPIRIT LAKE	102.67	51.50	484	-42	4	29	2	29	46	-42	-42	PG	46	-46	33	49	-46	-46	PG	52	-46		
SK	4022960	GRAVELBOURG	106.55	49.88	700	-37	4	33	2	33	50	-37	-37	PG	52	-40	37	54	-41	-41	PG	58	-46		
SK	4013030	GRENFELL	102.93	50.42	599	-38	3	30	4	30	47	-38	-38	PG	52	-40	37	54	-45	-45	PG	58	-46		
SK	4023060	GULL LAKE CDA EPF	108.47	49.95	907	-36	4	31	2	31	48	-36	-36	PG	52	-40	35	52	-40	-40	PG	58	-46		
SK	4053080	HAFFORD	107.37	52.72	587	-40	4	29	2	29	45	-40	-40	PG	46	-40	32	48	-43	-43	PG	52	-46		
SK	4053083	HAGUE	106.48	52.50	520	-40	4	29	2	29	45	-40	-40	PG	46	-40	32	49	-43	-43	PG	52	-46		
SK	4053120	HARRIS	107.58	51.73	578	-38	4	31	2	31	48	-38	-38	PG	52	-40	35	52	-42	-42	PG	52	-46		
SK	4013280	HUBBARD	103.33	51.10	663	-40	5	28	3	28	45	-40	-40	PG	46	-40	34	51	-46	-46	PG	58	-46		
SK	4083320	HUDSON BAY	102.40	52.87	372	-41	3	29	2	29	45	-41	-41	PG	46	-46	32	48	-44	-44	PG	52	-46		
SK	4023360	HUGHTON	107.92	51.23	613	-38	4	32	2	32	49	-38	-38	PG	52	-40	36	53	-42	-42	PG	58	-46		
SK	4013440	IMPERIAL	105.53	51.37	556	-38	4	31	2	31	48	-38	-38	PG	52	-40	36	52	-43	-43	PG	58	-46		
SK	4013490	INDIAN HEAD PRA	103.68	50.50	604	-37	3	31	2	31	48	-37	-37	PG	52	-40	35	51	-41	-41	PG	52	-46		
SK	4023500	INGEBRIGHT LAKE	109.35	50.37	701	-40	4	32	3	32	49	-40	-40	PG	52	-40	37	54	-45	-45	PG	58	-46		
SK	4023520	INSTOW	108.28	49.72	903	-36	4	30	4	30	47	-36	-36	PG	52	-40	38	55	-44	-44	PG	58	-46		
SK	4063560	ISLAND FALLS	102.35	55.53	299	-44	3	27	2	27	42	-44	-44	PG	46	-46	32	47	-49	-49	PG	52	-52		
SK	4013660	KELLHER	103.75	51.25	671	-39	3	29	2	29	46	-39	-39	PG	46	-40	33	50	-43	-43	PG	52	-46		
SK	4023800	KINCAID	107.07	49.57	747	-37	5	33	2	33	50	-37	-37	PG	52	-40	36	54	-40	-40	PG	58	-46		
SK	4043920	KINDERSLEY KY	109.17	51.47	683	-38	4	31	2	31	48	-38	-38	PG	52	-40	35	51	-42	-42	PG	52	-46		
SK	4014040	KIPLING	102.73	50.20	671	-38	3	30	2	30	47	-38	-38	PG	52	-40	34	51	-42	-42	PG	52	-46		
SK	4024080	KLINTONEL	108.92	49.68	1070	-37	4	29	2	29	46	-37	-37	PG	52	-40	33	50	-41	-41	PG	52	-46		
SK	4014100	KRISTINES	103.63	51.73	532	-41	3	29	2	29	46	-41	-41	PG	46	-46	33	49	-45	-45	PG	52	-46		
SK	4014115	KUROKI	103.45	52.00	585	-40	3	29	2	29	46	-40	-40	PG	46	-40	33	49	-44	-44	PG	52	-46		
SK	4064150	LA RONGE A	105.27	55.15	375	-41	4	27	2	27	42	-41	-41	PG	46	-46	31	47	-45	-45	PG	52	-46		
SK	4064130	LAC LA RONGE	105.33	55.13	366	-42	6	27	2	27	42	-42	-42	PG	46	-46	32	47	-47	-47	PG	52	-52		
SK	4024160	LEADER	109.55	50.88	671	-38	4	33	2	33	50	-38	-38	PG	52	-40	37	54	-42	-42	PG	58	-46		
SK	4024161	LEADER 2	109.53	50.88	674	-37	5	31	5	31	48	-37	-37	PG	52	-40	40	57	-46	-46	PG	58	-46		
SK	4054306	LENEY	107.52	51.88	556	-40	3	31	2	31	48	-40	-40	PG	52	-40	34	51	-43	-43	PG	52	-46		
SK	4014320	LEROSS	103.87	51.30	676	-40	3	29	2	29	46	-40	-40	PG	46	-40	33	49	-44	-44	PG	52	-46		
SK	4084440	LINTLAW	103.27	52.08	610	-41	3	28	2	28	45	-41	-41	PG	46	-46	32	48	-45	-45	PG	52	-46		
SK	4064600	LOON LAKE CDA EPF	109.10	54.05	543	-43	4	28	2	28	44	-43	-43	PG	46	-46	32	47	-47	-47	PG	52	-52		
SK	4074640	LOST RIVER	104.33	53.28	375	-42	3	29	2	29	45	-42	-42	PG	46	-46	33	49	-46	-46	PG	52	-46		
SK	4014720	LUMSDEN	104.87	50.65	497	-40	4	32	2	32	49	-40	-40	PG	52	-40	36	53	-42	-42	PG	58	-46		
SK	4014722	LUMSDEN 3	104.93	50.60	559	-38	4	32	2	32	49	-38	-38	PG	52	-40	38	55	-43	-43	PG	58	-46		
SK	4034910	MANKOTA	107.02	49.10	830	-37	4	32	3	32	50	-37	-37	PG	52	-40	37	54	-42	-42	PG	58	-46		
SK	4024920	MAPLE CREEK	109.48	49.90	763	-37	5	32	3	32	49	-37	-37	PG	52	-40	37	54	-39	-39	PG	58	-40		
SK	4024936	MAPLE CREEK NORTH	109.47	50.00	764	-35	4	33	2	33	50	-35	-35	PG	52	-40	37	54	-39	-39	PG	58	-40		
SK	4015045	MARYFIELD	101.52	49.83	576	-36	3	30	2	30	47	-36	-36	PG	52	-40	33	51	-39	-39	PG	52	-40		

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY														
						TEMPERATURES					TEMPERATURES					TEMPERATURES					TEMPERATURES									
						LOW TEMP		HIGH TEMP		STD	MIN PVT		MIN AIR		MIN PVT	MAX PVT		MAX AIR		MAX PVT	MIN PVT		MIN AIR		MIN PVT	MAX PVT		MAX AIR		MAX PVT
						AVG	STD	AVG	STD		MAX AIR	MAX PVT	MIN AIR	MIN PVT		MAX AIR	MAX PVT	MIN AIR	MIN PVT		MAX AIR	MAX PVT	MIN AIR	MIN PVT		MAX AIR	MAX PVT	HT	LT	
SK	4055080	MELFORT	104.60	52.87	463	-39	5	29	3		29	45	-39	-39		34	50	-44	-44		34	50	-44	-44		PG	52	-46		
SK	4055085	MELFORT CDA	104.60	52.82	480	-39	3	29	2		29	45	-39	-39		33	49	-43	-43		33	49	-43	-43		PG	52	-46		
SK	4015100	MELVILLE	102.80	50.95	558	-39	3	30	2		30	47	-39	-39		33	50	-42	-42		33	50	-42	-42		PG	52	-46		
SK	4035120	MERRYFLAT	109.77	49.47	1036	-36	3	30	2		30	47	-36	-36		33	50	-39	-39		33	50	-39	-39		PG	52	-40		
SK	4015160	MIDALE	103.40	49.40	582	-38	4	32	2		32	49	-38	-38		36	53	-42	-42		36	53	-42	-42		PG	58	-46		
SK	4035200	MINTON	104.68	49.22	716	-35	4	32	2		32	49	-35	-35		36	53	-39	-39		36	53	-39	-39		PG	58	-40		
SK	4015320	MOOSE JAW A	105.55	50.33	577	-36	4	32	2		32	49	-36	-36		36	53	-40	-40		36	53	-40	-40		PG	58	-40		
SK	4015325	MOOSE JAW CHAB	105.70	50.38	599	-38	4	32	2		32	49	-38	-38		37	54	-43	-43		37	54	-43	-43		PG	58	-46		
SK	4015440	MUENSTER	105.00	52.18	579	-41	4	29	2		29	46	-41	-41		33	50	-45	-45		33	50	-45	-45		PG	52	-46		
SK	4055450	MUSKIKI SPRINGS	105.68	52.32	545	-42	5	30	2		30	46	-42	-42		34	50	-46	-46		34	50	-46	-46		PG	52	-46		
SK	4035480	NASHLYN	109.52	49.20	945	-40	5	33	2		33	50	-40	-40		37	54	-44	-44		37	54	-44	-44		PG	58	-46		
SK	4075520	NIPAWIN 2	104.02	53.35	358	-40	4	30	2		30	46	-40	-40		33	49	-43	-43		33	49	-43	-43		PG	52	-46		
SK	4015560	NOKOMIS	105.00	51.52	526	-39	3	31	2		31	48	-39	-39		35	51	-43	-43		35	51	-43	-43		PG	52	-46		
SK	4045600	NORTH BATTLEFORD A	108.25	52.77	548	-38	4	29	2		29	45	-38	-38		32	49	-41	-41		32	49	-41	-41		PG	52	-46		
SK	4015680	ORMISTON	105.37	49.72	686	-38	4	32	2		32	49	-38	-38		35	52	-41	-41		35	52	-41	-41		PG	52	-46		
SK	4055720	OUTLOOK	107.05	51.48	541	-38	4	32	2		32	49	-38	-38		35	52	-40	-40		35	52	-40	-40		PG	52	-46		
SK	4055736	OUTLOOK PFRA	107.05	51.48	541	-37	4	31	2		31	48	-37	-37		34	51	-40	-40		34	51	-40	-40		PG	52	-40		
SK	4015800	OXBOW	102.17	49.22	582	-37	3	31	2		31	49	-37	-37		36	53	-41	-41		36	53	-41	-41		PG	58	-46		
SK	4025855	PALMER	106.35	49.87	727	-37	4	32	2		32	49	-37	-37		33	50	-45	-45		33	50	-45	-45		PG	52	-46		
SK	4015960	PASWEGIN	103.92	51.98	533	-40	5	28	3		28	45	-40	-40		36	50	-45	-45		36	50	-45	-45		PG	52	-46		
SK	4045975	PAYNTON	108.95	53.02	561	-40	4	29	2		29	45	-40	-40		32	48	-46	-46		32	48	-46	-46		PG	52	-46		
SK	4086000	PELLY	101.87	52.08	509	-42	3	28	2		28	45	-42	-42		32	48	-46	-46		32	48	-46	-46		PG	52	-46		
SK	4026040	PENNANT	108.23	50.53	723	-37	6	32	2		32	49	-37	-37		37	54	-42	-42		37	54	-42	-42		PG	58	-46		
SK	4016080	PENSE	105.00	50.42	577	-40	4	31	3		31	48	-40	-40		34	50	-46	-46		34	50	-46	-46		PG	52	-46		
SK	4056120	PILGER	105.15	52.42	552	-41	4	29	3		29	45	-41	-41		32	49	-44	-44		32	49	-44	-44		PG	52	-46		
SK	4086160	PORCUPINE PLAIN	103.15	52.65	465	-40	4	28	2		28	44	-40	-40		34	50	-46	-46		34	50	-46	-46		PG	58	-46		
SK	4086180	PRAIRIE RIVER	102.98	52.87	467	-43	3	28	2		28	44	-43	-43		32	48	-46	-46		32	48	-46	-46		PG	52	-46		
SK	4016185	PREECEVILLE	102.65	51.95	518	-40	3	29	2		29	46	-40	-40		34	50	-46	-46		34	50	-46	-46		PG	52	-46		
SK	4046200	PRINCE	108.37	52.97	536	-44	5	30	3		30	46	-44	-44		37	54	-42	-42		37	54	-42	-42		PG	52	-46		
SK	4056230	PRINCE ALBERT	105.75	53.17	436	-44	4	29	2		29	45	-44	-44		35	51	-49	-49		35	51	-49	-49		PG	52	-46		
SK	4056240	PRINCE ALBERT A	105.68	53.22	428	-43	4	29	2		29	45	-43	-43		34	49	-47	-47		34	49	-47	-47		PG	52	-46		
SK	4046360	RABBIT LAKE	107.87	53.10	704	-42	6	28	2		28	44	-42	-42		32	48	-46	-46		32	48	-46	-46		PG	52	-46		
SK	4016450	RAYMORE	104.58	51.57	564	-39	4	30	2		30	47	-39	-39		34	50	-43	-43		34	50	-43	-43		PG	52	-46		
SK	4016520	REDVERS	101.70	49.58	594	-37	4	30	2		30	47	-37	-37		34	50	-43	-43		34	50	-43	-43		PG	52	-46		
SK	4016560	REGINA A	104.67	50.43	577	-40	4	31	2		31	48	-40	-40		36	52	-45	-45		36	52	-45	-45		PG	52	-46		
SK	4016640	REGINA CDA	104.57	50.40	573	-39	5	31	2		31	48	-39	-39		35	52	-43	-43		35	52	-43	-43		PG	52	-46		
SK	401FFD8	REGINA CONSERVATORY SITE	104.58	50.42	573	-38	4	31	2		31	48	-38	-38		35	52	-42	-42		35	52	-42	-42		PG	52	-46		
SK	4076790	RIDGEDALE	104.25	53.05	413	-41	4	30	2		30	46	-41	-41		34	50	-45	-45		34	50	-45	-45		PG	52	-46		
SK	4026840	ROADENE	108.75	50.48	723	-37	6	32	2		32	49	-37	-37		37	54	-42	-42		37	54	-42	-42		PG	52	-46		
SK	4016842	ROCANVILLE	101.55	50.47	479	-37	6	31	2		31	48	-37	-37		35	52	-41	-41		35	52	-41	-41		PG	52	-46		
SK	4046880	ROSETOWN CDA EPF	107.88	51.52	591	-39	3	32	2		32	49	-39	-39		36	52	-43	-43		36	52	-43	-43		PG	58	-46		
SK	4056920	ROSTERN	106.33	52.67	510	-41	4	30	2		30	46	-41	-41		35	51	-46	-46		35	51	-46	-46		PG	52	-46		
SK	4057120	SASKATOON A	106.68	52.17	501	-40	6	30	2		30	46	-40	-40		34	50	-44	-44		34	50	-44	-44		PG	52	-46		

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY					98% RELIABILITY													
						LOW TEMP			HIGH TEMP	TEMPERATURES			GRADE			TEMPERATURES			GRADE					
						AVG	STD	AVG		MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	
SK	4057180	SASKATOON SRC	106.60	52.15	497	-39	4	30	2		30	46	-39	-39	PG	52	-40	34	50	-43	-43	PG	52	-46
SK	4057200	SASKATOON U OF S	106.63	52.13	515	-39	4	31	2		31	47	-39	-39	PG	52	-40	34	50	-42	-42	PG	52	-46
SK	4047238	SCOISTOWN	109.40	52.38	685	-37	5	29	2		29	45	-37	-37	PG	46	-40	32	49	-40	-40	PG	52	-46
SK	4047240	SCOTT CDA	108.83	52.37	680	-41	4	30	2		30	46	-41	-41	PG	52	-46	34	50	-45	-45	PG	52	-46
SK	4017320	SEMANA	104.73	51.42	562	-39	4	31	2		31	48	-39	-39	PG	52	-40	36	52	-44	-44	PG	58	-46
SK	4037360	SENATE	109.70	49.27	968	-37	6	31	4		31	49	-37	-37	PG	52	-40	40	57	-46	-46	PG	58	-46
SK	4027440	SHAMROCK	106.57	50.18	710	-36	3	31	2		31	48	-36	-36	PG	52	-40	35	52	-40	-40	PG	52	-40
SK	4027480	SHAUNAVON	108.40	49.65	917	-35	4	31	2		31	48	-35	-35	PG	52	-40	35	52	-39	-39	PG	58	-40
SK	4087640	SOMME CDA EPF	103.02	52.62	439	-41	3	28	2		28	44	-41	-41	PG	46	-46	31	47	-44	-44	PG	52	-46
SK	4047080	ST WALBURG	109.22	53.63	640	-45	5	28	2		28	44	-45	-45	PG	46	-46	32	48	-49	-49	PG	52	-52
SK	4017800	STRASBOURG	104.95	51.07	544	-39	6	31	2		31	48	-39	-39	PG	52	-40	35	52	-43	-43	PG	52	-46
SK	4058000	SUTHERLAND	106.58	52.15	507	-40	3	30	2		30	46	-40	-40	PG	52	-40	33	50	-43	-43	PG	52	-46
SK	4028035	SWIFT CURRENT	107.75	50.33	744	-37	5	32	2		32	49	-37	-37	PG	52	-40	37	53	-42	-42	PG	58	-46
SK	4028040	SWIFT CURRENT A	107.68	50.28	817	-36	4	31	2		31	48	-36	-36	PG	52	-40	35	52	-40	-40	PG	52	-40
SK	4028060	SWIFT CURRENT CDA	107.73	50.27	825	-36	3	31	2		31	48	-36	-36	PG	52	-40	35	51	-42	-42	PG	52	-46
SK	4018160	TUGASKE	106.30	50.88	607	-38	3	31	2		31	48	-38	-38	PG	46	-46	33	49	-48	-48	PG	52	-52
SK	4048240	TURTLEFORD	108.95	53.40	587	-43	4	28	3		28	44	-43	-43	PG	46	-46	31	44	-50	-50	PG	46	-52
SK	4068340	URANIUM CITY A	108.48	59.57	318	-45	2	26	2		26	39	-45	-45	PG	46	-46	32	48	-46	-46	PG	52	-46
SK	4068485	VICTOIRE	107.03	53.48	521	-43	3	29	2		29	45	-43	-43	PG	46	-46	33	49	-44	-44	PG	52	-46
SK	4048520	WASECA	109.40	53.13	650	-40	4	29	2		29	45	-40	-40	PG	46	-40	33	49	-44	-44	PG	52	-46
SK	4018640	WATROUS	105.47	51.67	541	-38	3	30	2		30	47	-38	-38	PG	52	-40	34	50	-42	-42	PG	52	-46
SK	4038740	WEST POPLAR RIVER	106.38	49.00	876	-39	4	31	3		31	49	-39	-39	PG	52	-40	37	54	-45	-45	PG	58	-46
SK	4018760	WEYBURN	103.83	49.65	570	-36	6	32	2		32	49	-36	-36	PG	52	-40	36	53	-40	-40	PG	58	-46
SK	4068840	WHITESAND DAM	103.15	56.23	344	-43	3	27	3		27	42	-43	-43	PG	46	-46	32	47	-48	-48	PG	52	-52
SK	4018880	WHITEWOOD	102.23	50.47	584	-38	3	30	2		30	47	-38	-38	PG	52	-40	34	51	-42	-42	PG	52	-46
SK	4018920	WILCOX	104.33	50.17	585	-36	4	32	2		32	49	-36	-36	PG	52	-40	36	53	-40	-40	PG	58	-46
SK	4039000	WILLOW CREEK	109.92	49.02	833	-40	6	34	2		34	51	-40	-40	PG	52	-40	38	56	-44	-44	PG	58	-46
SK	4019007	WISHART	104.12	51.57	648	-39	3	29	2		29	46	-39	-39	PG	46	-40	33	49	-43	-43	PG	52	-46
SK	4069010	WITCHEKAN	107.55	53.48	579	-45	5	29	3		29	45	-45	-45	PG	46	-46	34	50	-50	-50	PG	52	-52
SK	4019035	WYNYARD	104.20	51.77	561	-38	4	29	2		29	46	-38	-38	PG	46	-40	37	54	-43	-43	PG	58	-46
SK	4019040	YELLOW GRASS	104.18	49.82	580	-38	4	32	2		32	49	-38	-38	PG	52	-40	34	50	-43	-43	PG	52	-46
SK	4019080	YORKTON A	102.47	51.27	498	-39	3	30	2		30	47	-39	-39	PG	52	-40	34	50	-43	-43	PG	58	-46
YT	2100100	AISHIK A	137.48	61.65	966	-47	5	23	2		23	35	-47	-47	PG	46	-52	26	39	-50	-50	PG	52	-46
YT	2100160	BEAVER CREEK A	140.87	62.42	649	-49	4	25	2		25	37	-49	-49	PG	46	-52	29	41	-53	-53	PG	46	-52
YT	2100182	BURWASH A	139.05	61.37	799	-48	4	23	4		23	36	-48	-48	PG	46	-52	31	43	-56	-56	PG	46	-52
YT	2100300	CARMACKS	136.30	62.10	525	-51	4	27	2		27	39	-51	-51	PG	46	-52	31	43	-55	-55	PG	46	-52
YT	2100400	DAWSON	139.43	64.05	320	-49	4	27	3		27	38	-49	-49	PG	46	-52	33	44	-55	-55	PG	46	-52
YT	2100460	DRURY CREEK	134.38	62.20	609	-46	6	25	2		25	37	-46	-46	PG	46	-52	29	41	-50	-50	PG	46	-52
YT	2100630	HAINES JUNCTION	137.58	60.77	599	-47	4	25	3		25	38	-47	-47	PG	46	-52	31	44	-53	-53	PG	46	-52
YT	2100670	JOHNSONS CROSSING	133.30	60.48	690	-45	4	26	2		26	39	-45	-45	PG	46	-46	30	43	-49	-49	PG	46	-52
YT	2100685	KOMAKUK BEACH A	140.18	69.58	14	-44	3	17	2		17	25	-44	-44	PG	46	-46	22	30	-49	-49	PG	46	-52
YT	2100700	MAYO A	135.87	63.62	504	-51	7	26	3		26	37	-51	-51	PG	46	-52	33	44	-58	-58	PG	46	-52
YT	2100800	OLD CROW A	139.83	67.58	250	-50	4	25	5		25	34	-50	-50	PG	46	-52	35	44	-60	-60	PG	46	-52

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SUPERPAVE DETERMINATION OF ASPHALT BINDER GRADE

Weather Database Used In SUPERPAVE Software

PRV	COUNTY	STATION	LONG	LAT	ELEV meters	50% RELIABILITY										98% RELIABILITY																			
						LOW TEMP					HIGH TEMP					TEMPERATURES					GRADE					TEMPERATURES					GRADE				
						AVG	STD	TEMP	HIGH	TEMP	AVG	STD	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT	MAX AIR	MAX PVT	MIN AIR	MIN PVT	PG	HT	LT									
YT	2100880	PELLY RANCH	137.37	62.82	454	-54	4	27	2	27	39	-54	-54	PG	<46	<-52	31	42	-58	-58	PG	46	<-52												
YT	2100940	ROSS RIVER A	132.43	61.97	705	-52	6	26	2	26	38	-52	-52	PG	<46	-52	30	42	-56	-56	PG	46	<-52												
YT	2100950	SHINGLE POINT A	137.22	68.95	55	-45	3	21	3	21	30	-45	-45	PG	<46	-46	26	35	-50	-50	PG	<46	-52												
YT	2101000	SNAG A	140.40	62.37	587	-53	6	25	3	25	37	-53	-53	PG	<46	<-52	30	42	-58	-58	PG	46	<-52												
YT	2101081	SWIFT RIVER	131.18	60.00	891	-46	4	24	2	24	37	-46	-46	PG	<46	-46	28	41	-50	-50	PG	46	-52												
YT	2101100	TESLIN A	132.75	60.17	711	-43	5	25	4	25	38	-43	-43	PG	<46	-46	32	45	-50	-50	PG	46	-52												
YT	2101135	TUCHITUA	129.22	60.93	724	-49	4	26	2	26	39	-49	-49	PG	<46	-52	30	42	-53	-53	PG	46	<-52												
YT	2101200	WATSON LAKE A	128.82	60.12	689	-49	4	26	3	26	39	-49	-49	PG	<46	-52	31	44	-54	-54	PG	46	<-52												
YT	2101300	WHITEHORSE A	135.07	60.72	703	-44	4	26	2	26	39	-44	-44	PG	<46	-46	30	43	-48	-48	PG	46	-52												
YT	2101400	WHITEHORSE RIVERDALE	135.02	60.72	643	-44	4	27	2	27	40	-44	-44	PG	<46	-46	31	44	-48	-48	PG	46	-52												

HT	Grade	LT	Grade
15	<46	-70	<-52
40	46	-52	-52
46	52	-46	-46
52	58	-40	-40
58	64	-34	-34
64	70	-28	-28
70	76	-22	-22
		-16	-16
		-10	-10

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