

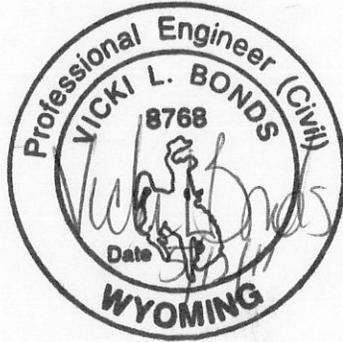
**WYOMING DEPARTMENT OF TRANSPORTATION
MATERIALS PROGRAM**

**SURFACING MATERIALS & RATES
(2003/2010 SPEC BOOK)**

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MAT'L'S CORRES FILE
ORIGINAL: PROJECT FILE

5/12/2011

AFE # CN10093 UPDATED
ROAD FORT WASHAKIE - ST. STEPHENS (17 MILE ROAD)
LOCATION R.M. 0.00 TO R.M. 8.88



PREPARED BY:

CHECKED BY: [Signature] DATE CHECKED: 5-16-11

APPROVED BY: [Signature] DATE APPROVED: 5-17-11

CRUSHED BASE

AGGREGATE	GRADING <u>W</u>	<u>2105</u>	kg/m ³			
FILLER			kg/m ³	(<u> </u> % OF	<u> </u>)
WATER		<u>147</u>	kg/m ³	(<u>7.0</u> % OF	<u>2105</u>)
		<u>2252</u>	kg/m ³		COMPACTED	

CONTRACTOR FURNISHED
SOURCE.

DUST CONTROL AGENT (MAGNESIUM BRINE SOLUTION)

HOT PLANT MIX

AGGREGATE	TYPE <u>II</u>	<u>2107</u>	kg/m ³			
GRADATION:	<u>1/2 INCH NOMINAL MAXIMUM SIZE</u>		kg/m ³	(<u> </u> % OF	<u> </u>)
PIT RUN FILLER		<u>32</u>	kg/m ³	(<u>1.5</u> % OF	<u>2107</u>)
HYDRATED LIME		<u>141</u>	kg/m ³	(<u>6.20</u> % OF	<u>2280</u>)
ASPHALT BINDER	<u>PG 58-28</u>	<u>2280</u>	kg/m ³		COMPACTED	

CONTRACTOR FURNISHED
SOURCE.
FILLER: 5% TO 20% PIT RUN MINUS
4.75 mm MATERIAL FROM AN
APPROVED GRANULAR SOURCE.
MIX PROPERTIES: CLASS III-M
LEVEL OF CONTROL: 2
DENSITY REQUIREMENT: I

TACK COAT

CHIP SEAL

AGGREGATE TYPE C
EMULSIFIED ASPHALT

CONTRACTOR FURNISHED
SOURCE.

CN10093 *UPDATED*
FORT WASHAKIE – ST. STEPHENS (17 MILE ROAD)
R.M. 0.00 TO R.M. 8.88
MAY 12, 2011

USE PIT RUN MINUS 4.75 mm FILLER IN THE HOT PLANT MIX.

INCLUDE CONTRACTOR TESTING IN THE PLANS.

INCLUDE ONE TEST STRIP IN THE PLANS.

INCLUDE THE FOLLOWING SPECIAL PROVISION(S) AND/OR SUPPLEMENTARY SPECIFICATION(S):

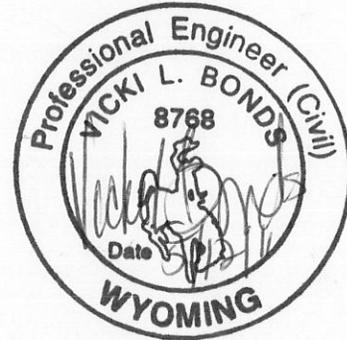
SS-400B PAVEMENT SMOOTHNESS FOR PLANT MIX PAVEMENT



WYOMING DEPARTMENT OF TRANSPORTATION

Materials Program Surfacing Thicknesses

		INITIALS
PROJECT NO.:	CN10093 <i>UPDATED</i>	
ROADWAY:	FORT WASHAKIE - ST. STEPHENS	
SECTION NAME:	17 MILE ROAD	
PROJECT LIMITS:	R.M. 0.00 TO R.M. 8.88	
PROJECT LIMITS:	STA 0+005 TO STA 14+292	
COUNTY:	FREMONT	
PREPARED BY:	V. L. BONDS, P.E.	<i>VB</i>
DATE PREPARED:	MAY12, 2011	
CHECKED BY:	R.A. ROTHWELL, P.E.	<i>RR</i>
DATE CHECKED:		
APPROVED BY:	F.M. HARVEY, P.E.	<i>FMA</i>
DATE APPROVED:		



THE FLEXIBLE SURFACING SECTION FOR THE RECONSTRUCTION OF THE MAINLINE WILL BE:

CHIP SEAL

100 mm HOT PLANT MIX

250 mm CRUSHED BASE

600 mm BORROW SPECIAL EXCAVATION, STA 8+300 TO STA 9+625, PER GEOLOGY'S RECOMMENDATIONS

NON-WOVEN GEOTEXTILE, PER GEOLOGY'S RECOMMENDATIONS

MOISTURE DENSITY CONTROL: $y = 600$ mm

WATER FOR EMBANKMENT: $0.15 \text{ m}^3/\text{m}^3$

The flexible surfacing thickness design was intended to meet the requirements for a 4R strategy based on a 20 R-Value subgrade and utilized the Wyoming Structure Design Manual.