Appendix C – SD DOT Surface Log / Descriptions

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COUNTY - BROOKINGS

ROUTE	BEG MRM	BEG DISPL	END MRM	END DISPL	LENGTH	PROJECT NUMBER	WDTH	LAYR YEAR	CL	COURSE-OVERLAYS THK	AC TYPE	AC%	BASE THCK	BASE OR SUB BASE	YEAR SEAL	YEAR CRSL
013	118.04	0.000	121.00	0.208	3.179	P-0013- - -00	24	1964	AF3	02.0			14.0	BC	1969	1989
								1981	AD3	01.5	AC 5	07.1				
								2001	AL3	02.0	PG 64-22	05.4				
013	121.00	0.208	127.08	0.547	6.378	P-0013- - -08	24	1940	AF3	02.0			6.0	BC	1981	
								1975	AF3	01.5	AC 2.5	06.5				
								1990	AE3	01.5	AC 10	05.9				
								2007	AL3	02.0	PG 64-28	06.1				
013	127.08	0.547	128.05	0.000	0.403	P-0013- - -08	30	1997	AG3	02.0	AC 10	06.2	12.0	SALV AC/B		
								1997	AG3	01.0	AC 10	06.2				
								2007	AL3	02.0	PG 64-28	06.1				
014	404.52	0.000	412.73	0.007	8.230	__NH-0014- - -146	28	1982	CP3	08.5	NATURAL	15.0	5.0	LIME TR.	1981	
								2007	CS	00.0						
								2007	AM3	00.5	PG 64-34	05.4				
								2007	AH3	01.5	PG 64-34	05.4				
								2007	AH3	01.5	PG 64-34	05.4				
014	412.73	0.007	414.21	0.000	1.481	NH-0014- - -140	59	2000	CD1	07.9	QUARTZITE	20.0	10.8	BC		
014	419.57	0.000	419.84	0.002	0.313	DPU- - - -	54	1973	CP1	08.0	NATURAL	40.0	3.0	AC TR.		
014	419.84	0.002	420.33	0.000	0.583	F-0030-6- -	60	1964	CR1	09.0	NATURAL	40.0	9.0	BC		
014	420.33	0.000	421.47	0.000	1.028	P-0014- - -142	54	2006	CD1	09.5	QUARTZITE	20.0	12.0	BC		
014	422.44	0.000	424.00	0.458	2.014	NH-P-0014- - -109	24	1973	AE3	06.0			0.0			
								1997	AG3	01.5	AC 10	06.2				
								1997	AG3	01.5	AC 10	06.2				
014	424.00	0.458	439.00	0.628	15.170	NH-P-0014- - -109	28	1997	CD1	08.0	QUARTZITE	20.0	5.0	SALV AC/B		
014	439.00	0.628	439.75	0.000	0.119	NH-P-0014- - -109	24	1997	AG3	03.0	AC 10	06.2	5.0	SALV AC/B		
								1997	AG3	03.0	AC 10	06.2				
								1997	AG3	02.0	AC 10	06.2				
014 B	418.56	0.000	419.47	0.160	1.119	P-2014- - -06	24	1968	CR1	08.0	QUARTZITE	15.0	3.0	BC	1998	
								1995	CS	00.0						
								1995	AG5	03.0	AC 10	05.0				
								1995	AG5	01.5	AC 20R	05.4				
014 B	419.47	0.160	420.00	0.225	0.611	NH-2014- - -06	60	1993	CD1	09.0	QUARTZITE	15.0	6.0	BC		
014 B	420.00	0.225	421.10	0.004	0.876	P-2014- - -06	24	1968	CR1	08.0	QUARTZITE	15.0	3.0	BC	1998	
								1995	CS	00.0						
								1995	AG5	03.0	AC 10	05.0				
								1995	AG5	01.5	AC 20R	05.4				
014 B	421.10	0.004	421.41	0.027	0.463	P-2014- - -06	24	1968	CR1	09.0	QUARTZITE	15.0	3.0	BC	1998	
								1995	CS	00.0						
								1995	AG5	03.0	AC 10	05.0				
								1995	AG5	01.5	AC 20R	05.4				
014 B	421.41	0.027	423.24	0.000	1.709	P-2014- - -06	24	1968	CR1	08.0	QUARTZITE	15.0	3.0	BC	1998	
								1995	CS	00.0						
								1995	AG5	03.0	AC 10	05.0				
								1995	AG5	01.5	AC 20R	05.4				
014 E	402.94	0.000	403.09	0.881	1.145	NH-0014- - -146	24	1973	AE3	02.0			0.0			
								1973	CP1	07.0	NATURAL	18.5				
								1998	CS	00.0						
								1998	AE1	00.5	PG 58-28	07.0				
								1998	AE3	01.5	PG 64-28	05.5				
								2007	AH3	02.0	PG 64-34	05.4				
014 E	403.09	0.881	404.52	0.000	0.527	NH-0014- - -146	26	1982	CP3	08.5	NATURAL	15.0	5.0	LIME TR.	1981	
								2007	CS	00.0						
								2007	AM3	00.5	PG 64-34	05.4				
								2007	AH3	01.5	PG 64-34	05.4				
								2007	AH3	01.5	PG 64-34	05.4				
014 E	414.21	0.000	414.21	0.169	0.169	NH-0014- - -140	26	2000	CD1	07.9	QUARTZITE	20.0	10.8	BC		
014 E	414.21	0.169	418.00	0.083	3.566	F-0014- - -27	30	1980	CP1	08.0	QUARTZITE	15.0	4.0	LIME TR.		
014 E	418.00	0.083	418.11	0.000	0.030	P-0014- - -00	24	1980	CP1	08.0	NATURAL	15.0	3.0	BC		
								1997	CS	00.0						
								1997	AG1	00.5	PG 70-28	05.9				
								1997	AG3	01.5	PG 70-28	05.9				
								1997	AG3	01.5	PG 70-28	05.9				
014 E	418.11	0.000	419.57	0.000	1.584	P-0014- - -00	24	1968	CR1	08.0	NATURAL	40.0	2.5	AC TR.		
								1997	CS	00.0						
								1997	AG1	00.5	PG 70-28	05.9				
								1997	AG3	01.5	PG 70-28	05.9				
								1997	AG3	01.5	PG 70-28	05.9				
014 E	421.47	0.000	421.73	0.027	0.271	F-0030-6- -01	24	1968	CR1	08.0	QUARTZITE	40.0	2.5	AC TR.		
014 E	421.73	0.027	422.07	0.101	0.414	I-0029-5- -07	24	1968	CR1	08.0	QUARTZITE	40.0	2.5	AC TR.		

COUNTY - BROOKINGS

ROUTE	BEG MRM	BEG DISPL	END MRM	END DISPL	LENGTH	PROJECT NUMBER	WDTH	LAYR YEAR	CL	COURSE-OVERLAYS THK	AC TYPE	AC%	BASE THCK	BASE OR SUB BASE	YEAR SEAL	YEAR CRSL
014 E	422.07	0.101	422.44	0.000	0.273	F-0030-6- -01	24	1968	CR1	08.0	QUARTZITE	40.0	2.5	AC TR.		
014 EB	418.11	0.000	418.56	0.000	0.610	P-2014- - -06	24	1968	CR1	08.0	NATURAL	40.0	3.0	BC	1998	
								1995	CS	00.0						
								1995	AG5	03.0	AC 10	05.0				
								1995	AG5	01.5	AC 20R	05.4				
014 W	402.94	0.000	403.09	0.885	1.162	NH-0014- - -146	24	1973	AE3	02.0			0.0			
								1973	CP1	07.0	NATURAL	18.5				
								1998	CS	00.0						
								1998	AE1	00.5	PG 58-28	07.0				
								1998	AE3	01.5	PG 64-28	05.5				
								2007	AH3	02.0	PG 64-34	05.4				
014 W	403.09	0.885	404.52	0.000	0.501	NH-0014- - -146	26	1982	CP3	08.5	NATURAL	15.0	5.0	LIME TR.	1981	
								2007	CS	00.0						
								2007	AM3	00.5	PG 64-34	05.4				
								2007	AH3	01.5	PG 64-34	05.4				
								2007	AH3	01.5	PG 64-34	05.4				
014 W	414.21	0.000	414.21	0.169	0.169	NH-0014- - -140	26	2000	CD1	07.9	QUARTZITE	20.0	10.8	BC		
014 W	414.21	0.169	417.08	0.315	3.062	NH-0014- - -127	26	2002	CD1	08.5	QUARTZITE	20.0	5.0	BC		
014 W	417.08	0.315	417.08	0.334	0.019	F-0014- - -27	24	1980	CP1	08.0	NATURAL	15.0	8.0	LIME TR.		
014 W	417.08	0.334	418.00	0.002	0.397	F-0014- - -47	24	1980	CP1	08.0	NATURAL	15.0	8.0	LIME TR.		
014 W	418.00	0.002	418.19	0.000	0.198	P-2014- - -06	24	1980	CP1	08.0	NATURAL	15.0	8.0	LIME TR.	1998	
								1995	CS	00.0						
								1995	AG5	03.0	AC 10	05.0				
								1995	AG5	01.5	AC 20R	05.4				
014 W	418.19	0.000	418.19	0.099	0.099	HES-0014- - -00	19	1991	CD1	08.0	QUARTZITE	20.0	5.0	BC		
014 W	418.19	0.099	418.60	0.004	0.488	P-0014- - -00	24	1970	CR1	08.0	NATURAL	40.0	3.0	BC		
								1997	CS	00.0						
								1997	AG1	00.5	PG 70-28	05.9				
								1997	AG3	01.5	PG 70-28	05.9				
								1997	AG3	01.5	PG 70-28	05.9				
014 W	418.60	0.004	419.57	0.000	0.980	P-0014- - -00	24	1968	CR1	08.0	NATURAL	40.0	3.0	BC		
								1997	CS	00.0						
								1997	AG1	00.5	PG 70-28	05.9				
								1997	AG3	01.5	PG 70-28	05.9				
								1997	AG3	01.5	PG 70-28	05.9				
014 W	421.47	0.000	421.73	0.027	0.271	F-0030-6- -01	24	1968	CR1	08.0	NATURAL	40.0	3.0	BC		
014 W	421.73	0.027	422.19	0.016	0.454	I-0029-5- -07	24	1968	CR1	08.0	NATURAL	40.0	4.0	BC		
014 W	422.19	0.016	422.44	0.000	0.234	F-0030-6- -01	24	1968	CR1	08.0	NATURAL	40.0	4.0	BC		
014 WB	418.19	0.000	418.56	0.000	0.529	P-2014- - -06	24	1968	CR1	08.0	NATURAL	40.0	3.0	BC	1998	
								1995	CS	00.0						
								1995	AG5	03.0	AC 10	05.0				
								1995	AG5	01.5	AC 20R	05.4				
029 N	124.79	0.000	134.08	0.125	9.423	I-0029-5- -07	24	1968	CC3	08.0	QUARTZITE	99.9	6.0	BC		
029 N	134.08	0.125	134.08	0.224	0.099	IM-0029-5- -30	24	1968	CC3	08.0	QUARTZITE	99.9	8.0	BC	1998	
								1996	AG1	00.5	AC 20R	06.0				
								1996	AG3	02.0	AC 20R	06.0				
								1996	AG3	01.5	AC 20R	06.0				
029 N	134.08	0.224	141.12	0.138	6.956	IM-0029-5- -30	24	1968	AE2	02.0			0.0		1998	
								1968	CC3	08.0	QUARTZITE	99.9				
								1996	AG1	00.5	AC 20R	06.0				
								1996	AG3	02.0	AC 20R	06.0				
								1996	AG3	01.5	AC 20R	06.0				
029 N	141.12	0.138	148.84	0.000	7.577	IM-0029-4- -44	24	1972	AE2	02.0			0.0		1998	
								1972	CC3	08.0	QUARTZITE	99.9				
								1993	AG5	03.0	AC 20	04.2				
								1993	AG3	01.5	AC 20R	05.1				
029 S	124.79	0.000	134.09	0.118	9.455	I-0029-5- -07	24	1968	CC3	08.0	QUARTZITE	99.9	6.0	BC		
029 S	134.09	0.118	134.09	0.217	0.099	IM-0029-5- -30	24	1968	CC3	08.0	QUARTZITE	99.9	8.0	BC	1998	
								1996	AG3	02.0	AC 20R	06.0				
								1996	AG3	01.5	AC 20R	06.0				
029 S	134.09	0.217	139.30	0.566	5.545	IM-0029-5- -30	24	1972	AE2	02.0			0.0		1998	
								1972	CC3	08.0	QUARTZITE	99.9				
								1996	AG3	02.0	AC 20R	06.0				
								1996	AG3	01.5	AC 20R	06.0				
029 S	139.30	0.566	148.84	0.000	8.981	IM-0029-5- -22	26	2007	CC1	10.5	QUARTZITE	20.0	5.0	SALV AC/B		

COUNTY - BROOKINGS

ROUTE	BEG MRM	BEG DISPL	END MRM	END DISPL	LENGTH	PROJECT NUMBER	WDTH	LAYR YEAR	CL	COURSE-OVERLAYS THK	AC TYPE	AC%	BASE THCK	BASE OR SUB BASE	YEAR SEAL	YEAR CRSL
030	357.00	0.000	358.00	0.180	1.158	P-3030- - -02	26	1957	AF3	02.0			9.0	BC		
								1977	AE3	01.3	AC 10	06.5				
								1989	AG3	00.5	AC 10	07.2				
								2008	AM3	02.0	PG 58-28	04.1				
030	358.00	0.180	358.00	0.234	0.054	P-3030- - -02	24	1957	AF3	02.0			9.0	BC	1992	1991
								1977	AE3	01.3	AC 5	06.5				
								1989	AG3	01.5	AC 10	07.2				
								1993	AG3	00.5	AC 20R	05.1				
								2008	AM3	02.0	PG 58-28	04.1				
030	358.00	0.234	358.53	0.000	0.325	P-3030- - -02	24	1972	AE3	02.0			6.0	BC	1992	1991
								1972	AG3	01.5						
								1972	AG3	01.5						
								1989	AG3	01.5	AC 10	07.2				
								1993	AG3	00.5	AC 20R	05.1				
								2008	AM3	02.0	PG 58-28	04.1				
030	358.53	0.000	358.60	0.185	0.258	P-0030- - -03	24	1972	AE3	02.0			6.0	BC	1992	1991
								1972	AG3	01.5						
								1972	AG3	01.5						
								1989	AG3	01.5	AC 10	07.2				
								1993	AG3	00.5	AC 20R	05.1				
								2008	AM3	02.0	PG 58-28	04.1				
030	358.60	0.185	365.00	0.980	7.139	P-0030- - -03	26	1957	AF3	02.0			9.0	BC		
								1977	AE3	01.3	AC 5	06.5				
								1989	AG3	00.5	AC 10	07.2				
								2008	AM3	02.0	PG 58-28	04.1				
030	365.00	0.980	374.12	0.000	8.143	P-0030- - -03	26	1960	AF3	02.0			14.0	BC	1967	
								1983	AD3	00.5	AC 5	06.7				
								2008	AM3	02.0	PG 58-28	04.1				
081	116.58	0.000	116.75	0.000	0.174	F-0081- - -50	28	1990	CD1	08.0	QUARTZITE	20.0	5.0	BC		
324	357.41	0.000	357.62	0.143	0.348	P-3324- - -00	24	1968	AD3	03.0			4.0	BC	2002	2001
								1999	AL3	02.0	PG 58-28	06.2				
									AA	02.0						
324	357.62	0.143	366.09	0.000	8.332	P-3324- - -00	24	1975	AE3	03.0			6.0	LIME TR.	1989	2001
								1976	AG3	01.5	AC 5	06.8				
								1999	AL3	02.0	PG 58-28	06.2				
									AA	00.5						

If you find any errors in the Surfacing Log please call Chris Kaus in the Office of Transportation Inventory Management (773-5413), so changes can be made to the department database. A short description of each item in the log is discussed below:

Rte. - highway number of which the segment is on

Beg MRM - the beginning Mileage Reference Marker (MRM) of each segment
Beg Disp. - the displacement from the beginning MRM

End MRM - the ending MRM of each segment
End Disp. - the displacement from the ending MRM

Gross Length - length in miles of the segment

Proj. No. - the project number of the most recent surfacing or resurfacing project

Wdth - the roadway width of the top surfacing layer

Yr - year of the construction of the individual layer

Cl- if A is in the First Position then the second letter is the Class of Asphalt Concrete (D,E, etc), the new codes of (AL, AM and AH) stand for QA/QC Low, Medium and High Traffic and (AP) stands for SHRP Superpave
if C is in the First Position then the segment is concrete and the second position is the type of reinforcing using the following abbreviations: Plain (CP), Doweled (CD), Continuously reinforced (CC), Mesh (CM), Mesh and Dowels (CR)

Thk - is the thickness of the individual asphalt or concrete layer in inches

AC Type- if the segment is asphalt this is the type of Asphalt Cement used in the individual asphalt layer
if the segment is concrete this is large aggregate type (Quartzite, Limestone, Granite or Natural)

AC% - if the segment is asphalt this is the percentage of the asphalt cement used in individual layer by weight
if the segment is concrete this is the average joint spacing in feet (99.9 is coded for continuously reinforced)

Base Thck - is the thickness of the base layers

Base or Sub Base - is the type of base or subbase using the following abbreviations: Base Course (BC), Lime Treated (Lime TR.), Asphalt Treated (AC TR.), Cement Treated (Cement TR.) Processed in Place (PIP), Salvaged Asphalt/Base (Salv AC/B), Recycled Asphalt (RECY AC)

YR SL - Year of last Chip or Sand Seal
YR CR - Year of last route and seal of the cracks