

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Sealant Source	Sealant Type	LF of cracks	Width of cracks	Total Square Yards	Sealant LBS/LF	LBS Sealant needed
1	8/2/2016	Crack Seal	Blow & Seal	N/A	N/A	Graco	34522	NM	3/4"	645.00	N/A	N/A
2	8/2/2016	Crack Seal (Chip Seal FA-2.5 SBST)	Blow & Seal	N/A	N/A	Graco	34522	NM	3/4"	645.00	N/A	N/A
7	8/2/2016	Crack Seal (Microsurfacing)	Blow & Seal	N/A	N/A	Graco	34522	NM	3/4"	645.00	N/A	N/A

Root & Seal transverse crack to 5/4" and Mastic one on longitudinal construction joint
Root & Seal transverse crack to 5/4" and Mastic one on longitudinal construction joint
Root & Seal transverse crack to 3/4" and Mastic one on longitudinal construction joint

Totals	0	N/A	N/A	1,935.00	N/A	0.00
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Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Emulsion App Rate/Sq Yd	Emulsion Gals Needed	Aggregate App Rate	Lbs. Agg Needed	Tons Agg Needed	Emulsion Measured App Rate Inside	Emulsion Measured App Rate Middle	Emulsion Measured App Rate Outside	Emulsion Measured AVG	Aggregate LWP APP Rate	Aggregate RWPP APP Rate
2	8/2/2016	Chip Seal (FA-2.5 SBST)	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.12	207	18.0	11616	5.81	0.35	0.314	0.337	0.340	19	22
3	8/2/2016	Chip Seal (FA-2.5 SBST)	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.12	207	18.0	11616	5.81	0.35	0.314	0.337	0.340	19	22
4	8/2/2016	Chip Seal (FA-2.5 DBST) 1	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.32	207	18.0	11616	5.81	0.35	0.314	0.337	0.340	19	22
4	8/2/2016	Chip Seal (FA-2.5 DBST) 2	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.27	174	16.0	10320	5.16	0.266	0.291	0.287	0.281	19	20
5	8/2/2016	Chip Seal (FA-2.5 DBST) 1	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.30	194	22.0	10397	7.10	0.291	0.301	0.295	0.291	22	24
5	8/2/2016	Chip Seal (FA-2.5 DBST) 2	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.40	258	18.0	11616	5.81	0.424	0.442	0.315	0.394	16	18
5	8/2/2016	Chip Seal (FA-2.5 DBST) 3	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.25	161	16.0	10320	5.16	0.256	0.251	0.257	0.251	19	20
6	8/2/2016	Chip Seal (FA-2.5 SBST) (Microsurfacing cape)	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.30	194	18.0	11616	5.81	not measured	not measured	not measured	not measured	18	16
10	8/2/2016	Fibermat (FA-2.5)	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.38	245	18.0	11616	5.81	0.439	0.396	0.35	0.395	22	19
11	8/2/2016	Fibermat (FA-2.5) (Microsurfacing cape)	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.38	245	18.0	11616	5.81	0.439	0.396	0.35	0.395	22	19
22	8/2/2016	Chip Seal (FA-2.5) Thinlay	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-2P	528	11	645	0.32	207	18.0	11616	5.81	0.305	0.33	0.318	0.304	15	18
Section 28 Fibermat Deleted										Totals	7098.67	N/A	2297.4	N/A	116160	63.89					

Hydraulic leak in right hand wheel path

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Diluted App Rate/Sq Yd	Diluted Mix Needed	Emulsion gals Needed	Water gals Needed	Aggregate App Rate	Measured App Rate Inside	Measured App Rate Middle	Measured App Rate Outside	Measured AVG
17	8/2/2016	Rejuvenating Fog seal	North Bound Outside	N/A	N/A	AM	CMS-1P (GB)	528	11	645	0.1	64.53	32.27	32.27	N/A	0.144	0.119	0.1	0.124
Totals										645	0.1	64.53	32.27	32.27					

Spray bar shut off at beginning and then turn back on. Bare area resulted. Black Beauty sand applied

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Diluted App Rate/Sq Yd	Diluted Mix Needed	Emulsion gals Needed	Water gals Needed	Aggregate App Rate	Measured App Rate Inside	Measured App Rate Middle	Measured App Rate Outside	Measured AVG
19	8/2/2016	Conventional Fog Seal	North Bound Outside	N/A	N/A	France Brothers	CMS-1P	528	11	645	0.10	64.53	32.27	32.27	N/A	0.145	0.112	0.146	0.137
Totals										645	0.10	64.53	32.27	32.27					

Black Beauty sand applied and some included in this measurement. Operator briefly turned off spray bar after starting and then turned it back on. Uncovered area was broomed with excess emulsion

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Emulsion App Rate/Sq Yd	Emulsion Gals Needed	Aggregate App Rate	Lbs. Agg Needed	Tons Agg Needed	Emulsion Measured App Rate Inside	Emulsion Measured App Rate Middle	Emulsion Measured App Rate Outside	Emulsion Measured AVG	Aggregate LWP APP Rate	Aggregate RWPP APP Rate
12	8/2/2016	Scrub Seal (FA-2.5) (Microsurfacing cape)	North Bound Outside	MM Wait Park	Granite	AM	CMS-P (cr)	528	11	645	0.30	194	18.0	11616.00	5.81	0.279	0.357	0.339	0.325	22	19
13	8/2/2016	Scrub Seal (FA-2.5) Thin Lay cape	North Bound Outside	MM Wait Park	Granite	AM	CMS-P (cr)	528	11	645	0.30	194	18.0	11616.00	5.81	0.279	0.357	0.339	0.325	22	19
Section 25 Scrub Seal deleted										Totals	1290.7	0.30	387	18.0	23232.00	11.62					

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Desired Emulsion %	Emulsion Gals Needed	Target Aggregate App Rate	Lbs. Agg Needed	Tons Agg Needed	Agg Actual Emulsion App Rate	Emul Actual %	Portland Cement %	Fiber %
6	8/2/2016	Microsurfacing (Cape Seal) Type II	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-1HP	528	11	645	13.50%	180	18.00	11,616.00	5.81	17.23	13.1%	1.01%	N/A
7	8/2/2016	Microsurfacing (crack/seal) Type II	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-1HP	528	11	645	13.50%	180	18.00	11,616.00	5.81	17.23	13.1%	1.01%	N/A
8	8/2/2016	Microsurfacing (with Fiber (single) Type II	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-1HP	528	11	645	13.50%	180	18.00	11,616.00	5.81	17.23	13.1%	1.01%	0.0019%
9	8/2/2016	Microsurfacing (double) Type II	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-1HP	528	11	645	13.50%	180	18.00	10,125.33	5.16	17.23	13.1%	1.01%	N/A
9	8/2/2016	Microsurfacing (double) Type II	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-1HP	528	11	645	13.50%	180	18.00	11,616.00	5.81	19.5	13.1%	1.00%	N/A
11	8/2/2016	Microsurfacing (Ultrafast Cape) Type II	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-1HP	528	11	645	13.50%	180	18.00	11,616.00	5.81	18.6	13.1%	1.00%	N/A
12	8/2/2016	Microsurfacing (Dorab Seal) Type II	North Bound Outside	MM Wait Park	Granite	Flint Hills	CMS-1HP	528	11	645	13.50%	180	18.00	11,616.00	5.81	18.6	13.1%	1.00%	N/A
Sections 14 & 15 Type II Micro deleted										Totals	4517.33	N/A	1298	N/A	80,021.33	40.01			

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Sealant Source	Sealant Type	Rout		Total Square Yards	Sealant LBS/LF	LBS Sealant needed
								LF of cracks	Width of cracks			
1	8/1/2016	Crack Seal	East Bound	N/A	N/A	Crafco	34522	N/A	3/4"	645	N/A	N/A
2	8/1/2016	Crack Seal (Chip Seal FA-2.5 SBST)	East Bound	N/A	N/A	Crafco	34522	N/A	3/4"	645	N/A	N/A
11	8/1/2016	Crack Seal (microsurfacing)	East Bound	N/A	N/A	Crafco	34522	N/A	3/4"	645	N/A	N/A
Totals									0	N/A	1935	N/A

Rout & Seal random cracks and Mastic One on Transverse cracks with cupping
Rout & Seal random cracks and Mastic One on Transverse cracks with cupping
100% rout and seal

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Target		Target		Lbs. Agg needed	Tons Agg needed	Emulsion		Emulsion		Emulsion		Emulsion		LWP APP Rate	RWP APP Rate
											Emulsion App Rate/Sqy	Emulsion Gals Needed	Aggregate App Rate	Emulsion Gals Needed			Measured App Rate Inside	Measured App Rate Middle	Measured App rate Outside	Measured AVG						
2	8/4/2016	Chip Seal (FA-2.5 SBST)	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.32	207	18.0	11616	5.81	0.32	0.328	0.354	0.334	No Reading	23					
3	8/5/2016	Chip Seal (FA-2.5 SBST)	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.32	207	18.0	11616	5.81	0.32	0.328	0.354	0.334	No Reading	23					
4	8/6/2016	Chip Seal (FA-2.5) Microsurfacing	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.32	207	18.0	11616	5.81	0.32	0.328	0.354	0.334	No Reading	23					
5	8/5/2016	Chip Seal (FA-2.5 DBST) 1	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.30	194	18.0	11616	5.81	0.272	0.309	0.302	0.294	16	18					
5	8/5/2016	Chip Seal (FA-2 DBST) 2	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.28	181	18.0	10325	5.16	0.262	0.307	0.326	0.298	15	15					
6	8/4/2016	Chip Seal (CA-50/70 TBST) 1	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.30	194	22.0	14997	7.10	0.31	0.308	0.292	0.303	0.292	24	26				
6	8/4/2015	Chip Seal (FA-2.5 TBST) 2	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.40	258	18.0	11616	5.81	0.414	0.456	0.349	0.406	0.406	24	18				
6	8/5/2016	Chip Seal (FA-2 TBST) 3	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.28	181	16.0	10325	5.16	0.262	0.307	0.326	0.298	0.298	15	15				
7	8/2/2016	Fiberfat (FA-2.5)	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.38	245	18.0	11616	5.81	0.392	0.384	0.403	0.393	0.393	20	20				
8	8/2/2016	Fiberfat (FA-2.5) (microsurfacing cape)	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.38	245	18.0	11616	5.81	0.392	0.384	0.403	0.393	0.393	20	20				
16	8/3/2016	Fiberfat (thinlay cape)	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.40	258	18.0	11616	5.81	0.404	0.418	0.404	0.404	0.404	19	19				
18	8/5/2016	Chip Seal (FA-2.5) Thinlay	East Bound	MM Wait Park	Granite	Flint Hills	CRS-2P	528	11	645	0.32	207	18.0	11616	5.81	0.251	0.323	0.367	0.314	0.314	16	18				
Totals										7744.00	N/A	2568.4	N/A	139392	69.70											

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Diluted App Rate/Sqy	Diluted Mix needed	Emulsion gals Needed	Water gals Needed	Aggregate App/Rate	Measured App Rate Inside	Measured App Rate Middle	Measured App rate Outside	Measured AVG
15	8/2/2016	Rejuvenating Fog seal	East Bound	N/A	N/A	AMI	CMS-1P (OB)	528	11	645	0.1	64.53	32.27	32.27	N/A	no reading	no reading	no reading	no reading

Totals	645	0.1	64.53	32.27	32.27
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Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Target Diluted App Rate/Sqy	Diluted Mix Needed	Emulsion gals Needed	Water gals Needed	Aggregate App/Rate	Measured App Rate Inside	Measured App Rate Middle	Measured App rate Outside	Measured AVG
14	8/1/2016	Conventional fog Seal	East Bound	N/A	N/A	Flint Hills	CSS-1H	528	11	645	0.10	64.53	32.27	32.27	N/A	0.144	0.222	0.26	0.209

This number includes the black beauty sand that was broadcast over the fog seal

Totals	645	0.10	64.53	32.27	32.27
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Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Emulsion App Rate/Sqy	Emulsion Gals Needed	Aggregate App Rate	Lbs. Agg Needed	Tons Agg Needed	Emulsion		Emulsion		Emulsion		Emulsion		LWP APP Rate	RWP APP Rate
																Measured App Rate Inside	Measured App Rate Middle	Measured App rate Outside	Measured AVG						
9	8/3/2016	Scrub Seal (FA-2.5) (microsurfacing cape)	East Bound	MM Wait Park	Granite	AMI	CMS-P (cr)	528	11	645	0.30	194	18.0	11,616.00	5.81	0.304	0.327	0.267	0.299	0.299	22	19			
10	8/3/2016	Scrub Seal (FA-2.5)	East Bound	MM Wait Park	Granite	AMI	CMS-P (cr)	528	11	645	0.30	194	18.0	11,616.00	5.81	0.304	0.327	0.267	0.299	0.299	22	19			
17	8/3/2016	Scrub Seal (FA-2.5) Thin Lay cape	East Bound	MM Wait Park	Granite	AMI	CMS-P (cr)	528	11	645	0.32	207	18.0	11,616.00	5.81	0.431	0.342	0.317	0.363	0.363	20	21			
Totals										1936.0	0.30	594	18.0	34,848.00	17.42										

Pavement Cell	Install Date	Treatment	Application Lane	Aggregate Source	Aggregate Type	Emulsion Source	Emulsion Type	Length	Width	Total Square Yards	Desired Emulsion		Emulsion Gals Needed	Target		Lbs. Agg Needed	Tons Agg Needed	Agg Actual App Rate	Emul Actual %	Portland Cement %
											Emulsion %	Emulsion		Aggregate App Rate	Emulsion					
4	8/5/2016	Microsurfacing (Cape Seal) Type III	East Bound	MM Wait Park	Granite	Flint Hills	COS-1HP	528	11	645	13.00%	250	25.00	16,133.33	8.07	25.7	12.5%	1.50%		
8	8/6/2016	Microsurfacing (Fiberbat Cape) Type III	East Bound	MM Wait Park	Granite	Flint Hills	COS-1HP	528	11	645	13.00%	250	25.00	16,133.33	8.07	25.3	12.5%	1.41%		
9	8/7/2016	Microsurfacing (Scrub Seal) Type III	East Bound	MM Wait Park	Granite	Flint Hills	COS-1HP	528	11	645	13.00%	250	25.00	16,133.33	8.07	25.3	12.5%	1.41%		
11	8/8/2016	Microsurfacing (Crack Seal) Type II	East Bound	MM Wait Park	Granite	Flint Hills	COS-1HP	528	11	645	13.00%	200	20.00	12,906.67	6.45	19.22	13.6%	1.00%		
12	8/9/2016	Microsurfacing (single) Type II	East Bound	MM Wait Park	Granite	Flint Hills	COS-1HP	528	11	645	13.00%	200	20.00	12,906.67	6.45	19.22	13.6%	1.00%		
13	8/10/2016	Microsurfacing (Double) 1 Type II	East Bound	MM Wait Park	Granite	Flint Hills	COS-1HP	528	11	645	13.00%	160	16.00	10,325.33	5.16	15.84	13.5%	0.97%		
13	8/11/2016	Microsurfacing (Double) 2 Type II	East Bound	MM Wait Park	Granite	Flint Hills	COS-1HP	528	11	645	13.00%	160	16.00	10,325.33	5.16	16.7	13.5%	1.01%		
Totals										4517.33	N/A	1468	N/A	94,864.00	47.43					