

**City of Spokane  
Business & Developer Services  
Street Department**



**Pavement Maintenance Program**

**CITY OF SPOKANE  
BUSINESS AND DEVELOPER SERVICES  
STREET DEPARTMENT**

**PAVEMENT MAINTENANCE PROGRAM  
2016 to 2021**

**Background:**

The City of Spokane's Street Department is responsible for Bridge Maintenance and Inspections, Signal and Lighting Maintenance and Enhancements, Signs and Markings Maintenance, Parking Enforcement, and Street Maintenance. Within the Street Maintenance Program, the major elements are Leaf Pick-Up, Snow Removal, Street Sweeping, Street Grading, Weed Control, and Pavement Maintenance and Repair.

This 6-year program addresses Pavement Maintenance and is intended to be a dynamic, "living" document. Each spring the Street Department will evaluate the roadway conditions and adjust the program as necessary.

There are eight components in maintaining the City's 727 lane miles of arterial streets and 1,418 lane miles of residential streets, for a citywide total of 2,145 lane miles of streets:

**Pothole Repair, Sub-Grade Repair, Street Grading, Crack Sealing, Skin Patching, Thick Overlay, Grind/Overlay, Utility Cut Patching.**

**Work Summary:**

**Pothole Repair:** Potholes are especially prevalent in cities that experience winter weather patterns consisting of many freeze-thaw cycles, and the Street Maintenance Section repairs thousands of potholes every year. The potholes are formed when moisture seeps into cracks in the surface of a road and freezes, causing the water to expand. When the ice thaws, that space is left empty, and frequent or heavy traffic over the crack causes the asphalt to break and fail. The work of the City's pothole repair program is to fill pavement potholes with specialized Cold Mix Asphalt during the winter months and a permanent Hot Mix Asphalt in the summer months. Potholes are classified by depth or severity of hole, and the goal is to patch the most intrusive potholes first.

**Sub-grade Repair:** The goal of the sub-grade repair program is to repair areas of roadway where both the pavement and the sub-grade have failed. This work requires the asphalt and failed sub-grade to be removed. The depth of the repair depends on the depth of the failed sub-grade, with the average depth of repair twelve inches.

**Street Grading:** All improved gravel roads are inspected a minimum of two times per year and graded as needed.

**Crack Sealing:** Between 150,000 and 250,000 linear feet of crack sealant is placed each year. Crack sealant is a specialized hot tar material that forms to the crack and seals it off. Sealing the cracks prevents moisture intrusion into the pavement, helping to prevent potholes from forming.

**Skin Patching:** The Street Department currently installs approximately four lane miles of skin patching per year. Skin patching adds one inch of asphalt on top of existing pavement, and is a temporary method of improving the surface of an extremely deteriorated or rutted street when there is no funding for a complete

repair. Skin patching will last approximately two to three years before the cracks in the original pavement propagate back to the surface.

**Thick Overlay:** The Street Department currently performs approximately two lane miles of thick overlay per year. This process involves raising all utility manholes and installing 2-3 inches of asphalt overlay. This type of maintenance activity is normally implemented where there are no curbs or sidewalks.

**Grind/Overlay:** The Department currently performs approximately six lane miles of grind and overlay per year. One goal is to increase this quantity to 8-to-10 lane miles per year. This process involves milling out 2-to-4 inches of asphalt to remove the failed pavement section and installing a new pavement section. Typically, this is appropriate only when the sub-base is structurally sound. The process creates a pavement section that will last 7-to-10 years, depending upon the volume of traffic. To improve the life of the overlay, crack sealant is applied along the joint between the old and the new pavement.

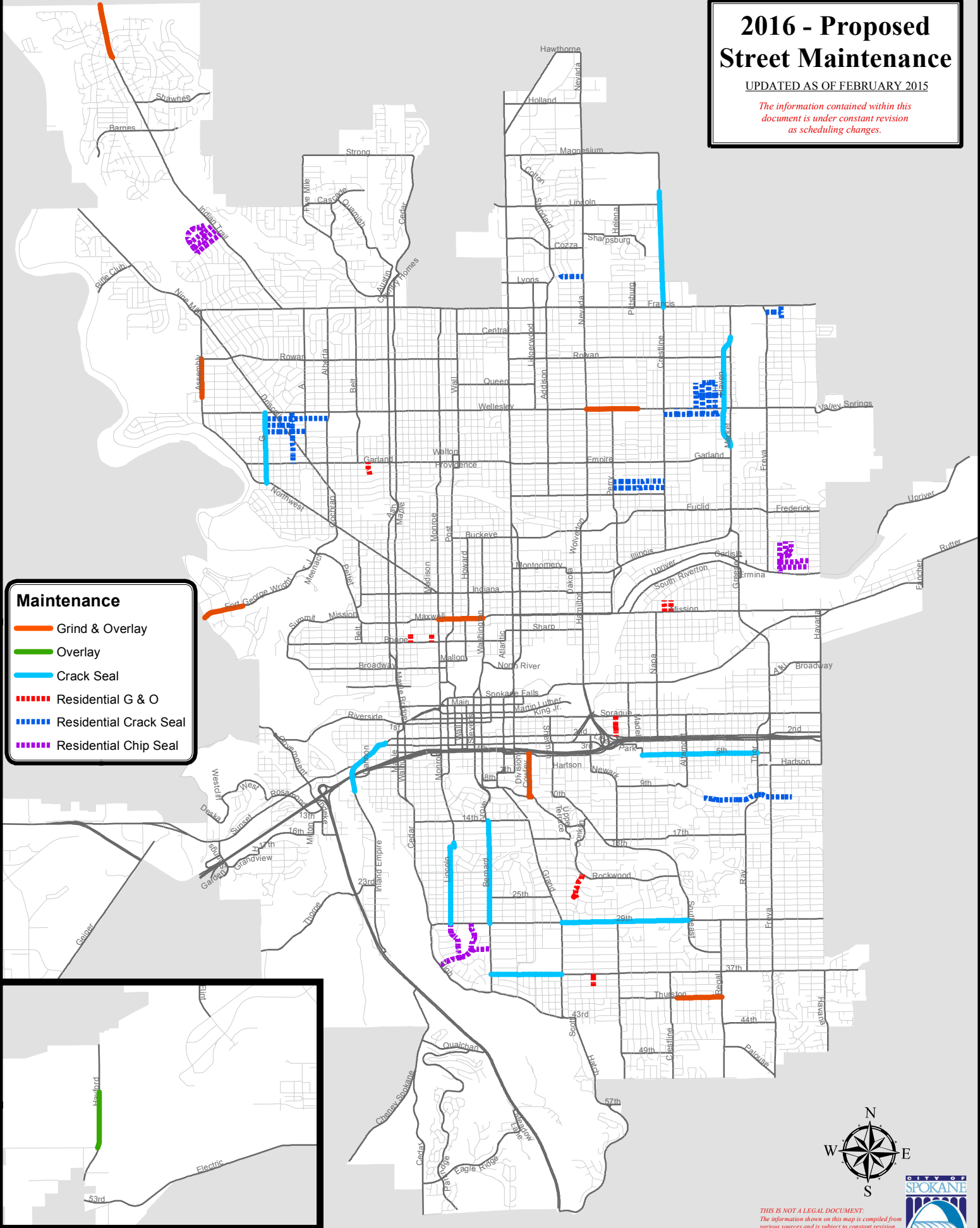
**Utility Cut Patching:** The Street Department places the final asphalt pavement patch around any City utility work performed in the roadway. The work includes removing any temporary pavement patch, grading the sub-grade and placing the final pavement patch.

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# 2016 - Proposed Street Maintenance

UPDATED AS OF FEBRUARY 2015

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**Maintenance**

- Grind & Overlay
- Overlay
- Crack Seal
- - - Residential G & O
- - - Residential Crack Seal
- - - Residential Chip Seal



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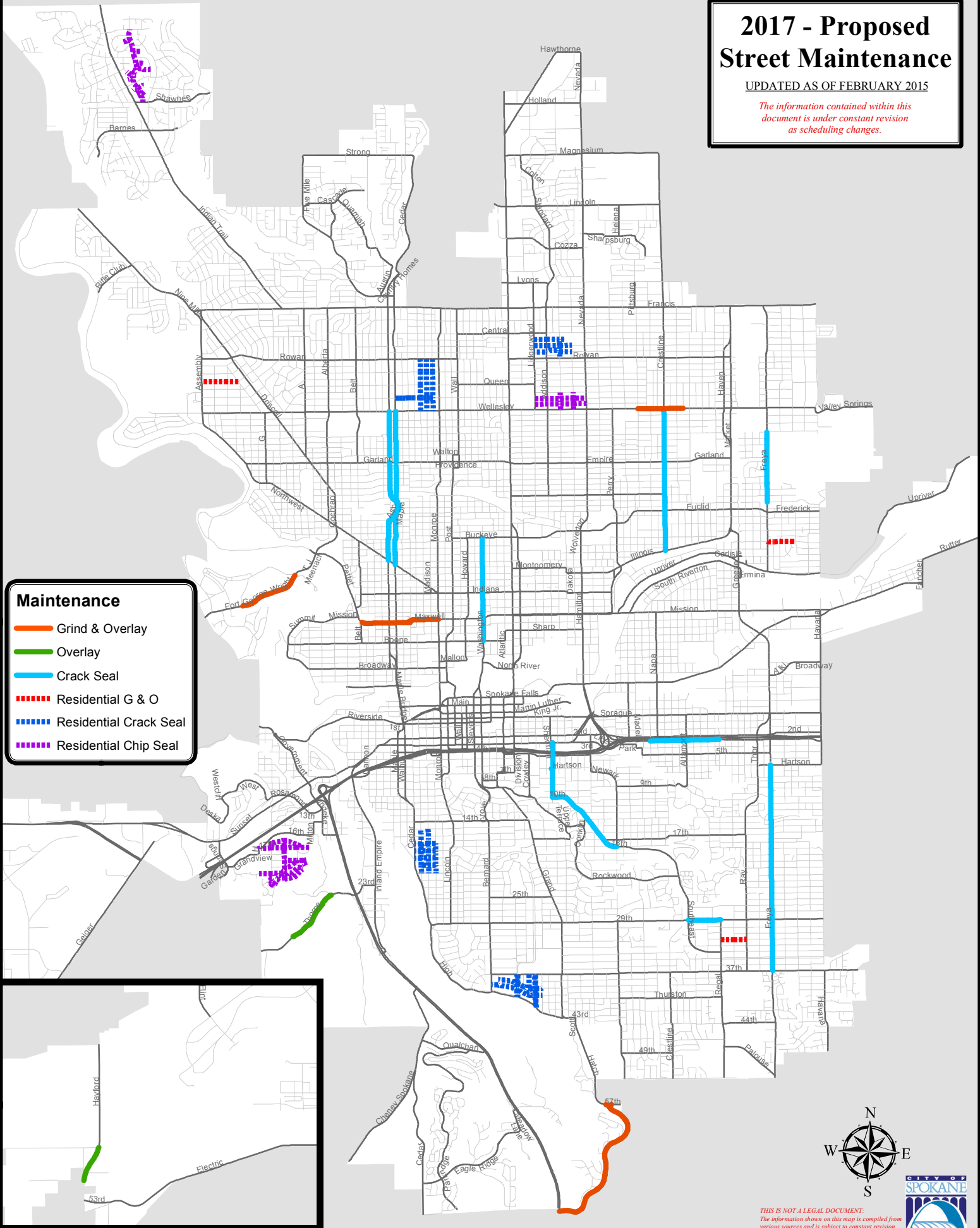
**2016 PROPOSED MAINTENANCE**

Street	From	To	CL Miles	Lanes	Lane Miles	Maint Area	Maint Year	District	Avg. PCI	\$/Yd.	Total Cost	Comments	Ton Asph.	Asph\$/yd	Asph. Cost
<b>ARTERIAL CRACKSEAL</b>															
29TH AV	GRAND BL	SOUTHEAST BL	1.17	4-5	4.78	32,875	2016	S	75.0	\$1.04	\$34,190		--	--	--
37TH AV	BERNARD ST	GRAND BL	0.68	2	1.37	16,062	2016	S	91.0	\$1.04	\$16,705		--	--	--
5TH AV	PITTSBURG ST	THOR ST	1.13	2	2.25	25,113	2016	S	93.1	\$1.04	\$26,117		--	--	--
BERNARD ST	29TH AV	14TH AV	1.00	2	2.01	24,138	2016	S	80.4	\$1.04	\$25,103		--	--	--
CRESTLINE ST	FRANCIS AV	BROOKLYN AV	1.10	2	2.21	28,190	2016	NE	93.4	\$1.04	\$29,318		--	--	--
G ST	NORTHWEST BL	WELLESLEY AV	0.69	2	1.38	15,034	2016	NW	95.1	\$1.04	\$15,636		--	--	--
HAVEN ST	MARKET ST	MARKET ST	1.05	2	2.10	22,475	2016	NE	93.3	\$1.04	\$23,374		--	--	--
INLAND EMPIRE/SUNSET	9TH AV	OAK ST	0.56	2-4	1.54	15,094	2016	S	92.0	\$1.04	\$15,698		--	--	--
LINCOLN ST	29TH AV	17TH AV	0.78	2	1.57	17,436	2016	S	91.0	\$1.04	\$18,133		--	--	--
<b>TOTAL ARTERIAL CRACKSEAL:</b>			<b>8.17</b>		<b>19.20</b>	<b>196,418</b>					<b>\$204,274</b>				
<b>ARTERIAL GRIND &amp; OVERLAY</b>															
ASSEMBLY ST	OLYMPIC AV	ROWAN AV	0.38	3	1.13	10,592	2016	NW	72.8	\$29.12	\$308,439		1,490	\$78.00	\$116,181
COWLEY ST	ROCKWOOD BL	4TH AV	0.42	2	0.85	7,477	2016	S	80.8	\$29.12	\$217,721	TRAVEL LANES ONLY	1,051	\$78.00	\$82,010
FT G. WRIGHT DR	GOVERNMENT WY	ELLIOT DR WEST (PVT)	0.39	4	1.58	11,088	2016	NW	49.0	\$29.12	\$322,883		1,559	\$78.00	\$121,622
INDIAN TRAIL RD	RIDGECREST DR	CITY LIMITS (N)	0.54	2	1.07	9,417	2016	NW	29.7	\$29.12	\$274,213		1,324	\$78.00	\$103,289
MAXWELL AV	MONROE ST	WASHINGTON ST	0.44	4	1.75	12,325	2016	NW	53.2	\$29.12	\$358,914		1,733	\$78.00	\$135,194
THURSTON AV	LEE ST	REGAL ST	0.44	2	0.87	9,841	2016	S	20.2	\$29.12	\$286,580		1,384	\$78.00	\$107,947
WELLESLEY AV	NEVADA ST	PITTSBURG ST	0.50	4	2.01	14,171	2016	NE	53.8	\$29.12	\$412,650		1,993	\$78.00	\$155,435
<b>TOTAL ARTERIAL GRIND &amp; OVERLAY:</b>			<b>3.11</b>		<b>9.26</b>	<b>74,911</b>					<b>\$2,181,399</b>		<b>10,534</b>		<b>\$821,676</b>
<b>ARTERIAL OVERLAY</b>															
HAYFORD RD	THORPE RD	2650' N OF THORPE	0.50	2	1.00	8,254	2016	S	14.0	\$24.96	\$206,014		1,161	\$78.00	\$90,534
<b>TOTAL ARTERIAL OVERLAY:</b>			<b>0.50</b>		<b>1.00</b>	<b>8,254</b>					<b>\$206,014</b>		<b>1,161</b>		<b>\$90,534</b>
<b>RESIDENTIAL CRACKSEAL</b>															
11TH AV	FROM ALTAMONT	TO JULIA	0.87	2	1.75	15,383	2016	S	87.0	\$1.04	\$15,999		--	--	--
BEACON AV	DAKOTA ST	NEVADA ST	0.21	2	0.42	4,942	2016	NW	89.7	\$1.04	\$5,140		--	--	--
C ST	ET	AL	1.76	2	3.52	30,967	2016	NW	78.6	\$1.04	\$32,205		--	--	--
GLASS/COURTLAND	FROM PERRY	TO CRESTLINE	1.06	2	2.13	18,730	2016	NE	94.8	\$1.04	\$19,479		--	--	--
JULIA/DECATUR			0.28	2	0.55	6,164	2016	S	89.0	\$1.04	\$6,411		--	--	--
LACEY/HOFFMAN	ET	AL	2.21	2	4.41	47,796	2016	NE	86.3	\$1.04	\$49,708		--	--	--
<b>TOTAL RESIDENTIAL CRACKSEAL:</b>			<b>6.39</b>		<b>12.78</b>	<b>123,983</b>					<b>\$128,942</b>				
<b>RESIDENTIAL CHIPSEAL</b>															
COMSTOCK PARK	ET	AL	1.17	2	2.35	26,670	2016	S	62.2	\$8.32	\$221,896		--	--	--
KATHLEEN AV	FROM SUTHERLIN	TO INDIAN TRAIL ET AL	1.44	2	2.89	33,227	2016	NW	68.7	\$8.32	\$276,446		--	--	--
REBECCA ST	FROM UPRIVER	TO MARIETTA ET AL	1.24	2	2.49	24,064	2016	NE	62.4	\$8.32	\$200,214		--	--	--
<b>TOTAL RESIDENTIAL CHIPSEAL:</b>			<b>3.86</b>		<b>7.72</b>	<b>83,961</b>					<b>\$698,556</b>				
<b>RESIDENTIAL GRIND &amp; OVERLAY</b>															
ARTHUR ST	39TH AV	37TH AV	0.12	2	0.24	2,117	2016	S	28.0	\$41.60	\$88,053		--	--	--
CANNON ST	KIERNAN AV	GARLAND AV	0.12	2	0.24	2,143	2016	NW	33.5	\$41.60	\$89,163		--	--	--
CEDAR & MADISON	BOONE AV	SHARP AV	0.14	2	0.28	2,823	2016	NW	22.5	\$41.60	\$117,451		--	--	--
CRESTLINE & LEE	MISSION AV	NORA AV	0.24	2	0.48	4,223	2016	NE	40.0	\$41.60	\$175,691		--	--	--
GARFIELD RD	26TH AV (E)	ROCKWOOD BL	0.25	2	0.50	4,732	2016	S	15.7	\$41.60	\$196,870		--	--	--
PERRY ST	2ND AV (W)	SPRAGUE AV	0.18	2	0.36	3,157	2016	NE	28.7	\$41.60	\$131,317		--	--	--
<b>TOTAL RESIDENTIAL GRIND &amp; OVERLAY:</b>			<b>1.05</b>		<b>2.11</b>	<b>19,196</b>					<b>\$798,544</b>				

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UPDATED AS OF FEBRUARY 2015

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**2017 PROPOSED MAINTENANCE**

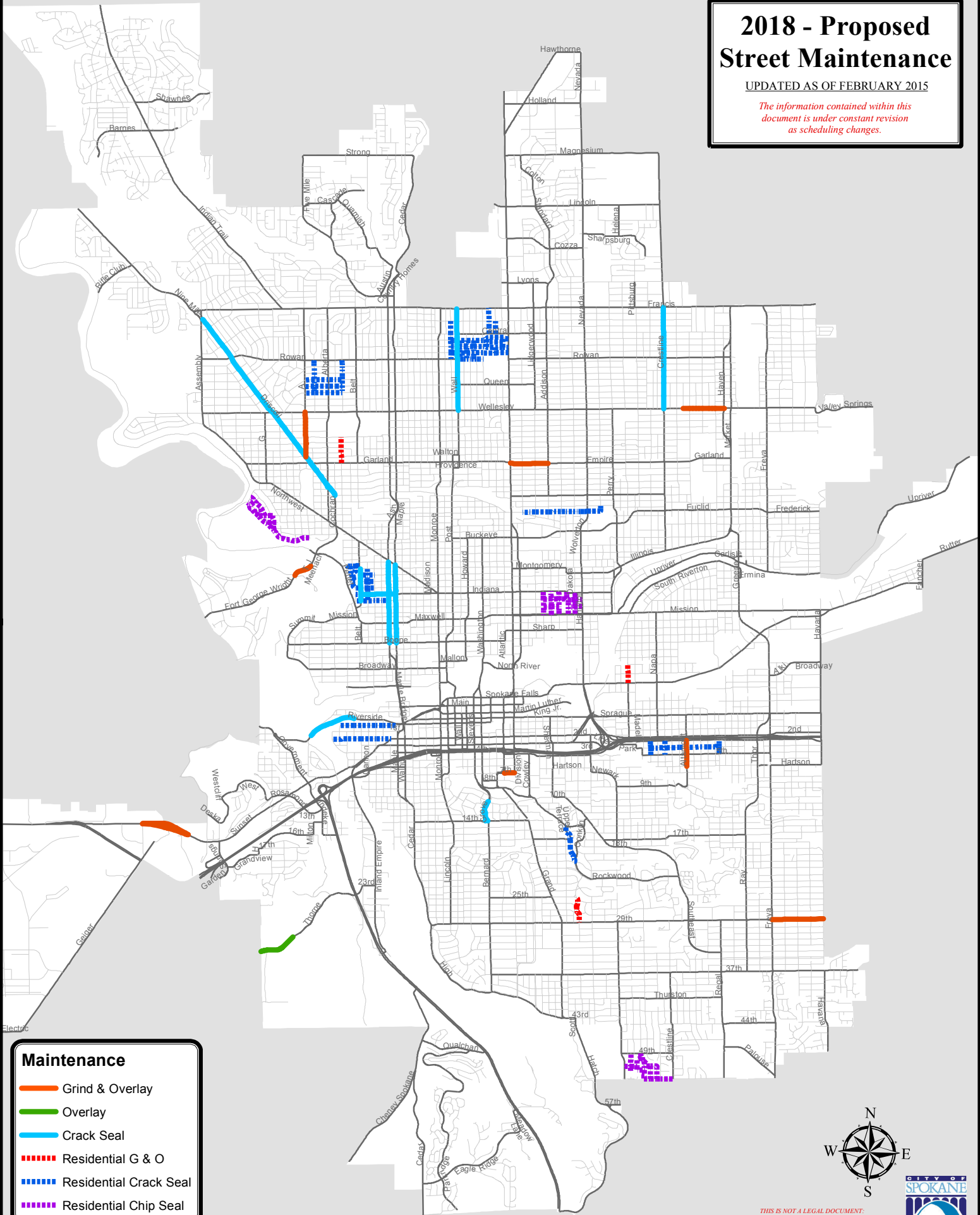
Street	From	To	CL Miles	Lanes	Lane Miles	Maint Area	Maint Year	District	Avg. PCI	\$/Yd.	Total Cost	Comments	Ton Asph.	Asph\$/yd	Asph. Cost
<b>ARTERIAL CRACKSEAL</b>															
29TH AV	SOUTHEAST BL	REGAL ST	0.29	4-5	1.31	8,075	2017	S	77.3	\$1.08	\$8,734		--	--	--
3RD AV	MAGNOLIA ST	REGAL ST	0.67	2	1.34	15,716	2017	S	86.0	\$1.08	\$16,998		--	--	--
ASH ST	NORTHWEST BL	WELLESLEY AV	1.41	2	2.88	29,716	2017	NW	93.9	\$1.08	\$32,141		--	--	--
CRESTLINE ST	ILLINOIS AV	WELLESLEY AV	1.39	2-5	5.07	39,056	2017	NE	93.3	\$1.08	\$42,243		--	--	--
FREYA ST	37TH AV	HARTSON AV	2.01	2	4.03	37,745	2017	S	79.3	\$1.08	\$40,825		--	--	--
FREYA ST	LIBERTY AV	RICH AV	0.68	2	1.36	13,159	2017	NE	77.7	\$1.08	\$14,233		--	--	--
MAPLE ST	NORTHWEST BL	WELLESLEY AV	1.42	2	2.93	28,784	2017	NW	93.9	\$1.08	\$31,132		--	--	--
SOUTHEAST/SHERMAN	PERRY AV	3RD AV	1.34	2-4	2.88	33,654	2017	S	91.0	\$1.08	\$36,400		--	--	--
WASHINGTON ST	BOONE AV	BUCKEYE AV	1.01	4-5	4.44	29,684	2017	NW	90.3	\$1.08	\$32,106		--	--	--
<b>TOTAL ARTERIAL CRACKSEAL:</b>			<b>10.21</b>		<b>26.23</b>	<b>235,588</b>					<b>\$254,812</b>				
<b>ARTERIAL GRIND &amp; OVERLAY</b>															
FT G. WRIGHT DR	ELLIOT DR WEST (PVT)	850' E OF SFCC SIGNAL	0.47	4	1.89	13,339	2017	NW	53.0	\$30.28	\$403,959		1,876	\$81.12	\$152,161
HATCH RD	SR #195	57TH AV	1.54	2	3.20	25,476	2017	S	37.4	\$30.28	\$771,549	WIDEN TO 14' LANES	3,583	\$81.12	\$290,623
MAXWELL AV	BELT ST	MONROE ST	0.76	2-4	2.07	15,636	2017	NW	61.4	\$30.28	\$473,520	TRAVEL LANES ONLY	2,199	\$81.12	\$178,363
WELLESLEY AV	PITTSBURG ST	ALTAMONT ST	0.44	4	1.90	12,475	2017	NE	58.7	\$30.28	\$377,793		1,754	\$81.12	\$142,305
<b>TOTAL ARTERIAL GRIND &amp; OVERLAY:</b>			<b>3.22</b>		<b>9.07</b>	<b>66,925</b>					<b>\$2,026,820</b>		<b>9,411</b>		<b>\$763,451</b>
<b>ARTERIAL OVERLAY</b>															
HAYFORD RD	49TH AV	THORPE RD	0.36	2	0.72	5,889	2017	S	33.0	\$25.96	\$152,878		828	\$81.12	\$67,183
THORPE RD	D ST	WESTWOOD LN	0.57	2	1.14	7,346	2017	S	5.0	\$25.96	\$190,679		1,033	\$81.12	\$83,794
<b>TOTAL ARTERIAL OVERLAY:</b>			<b>0.93</b>		<b>1.86</b>	<b>13,235</b>					<b>\$343,557</b>		<b>1,861</b>		<b>\$150,977</b>
<b>RESIDENTIAL CRACKSEAL</b>															
JEFFERSON/18TH	ET	AL	1.93	2	3.86	42,183	2017	S	90.0	\$1.08	\$45,625		--	--	--
JOSEPH/STANDARD	ET	AL	1.22	2	2.43	21,420	2017	NE	84.5	\$1.08	\$23,168		--	--	--
MANITO BL	ET	AL	1.69	2	3.38	36,841	2017	S	87.4	\$1.08	\$39,847		--	--	--
WABASH/JEFFERSON	ET	AL	1.88	2	3.76	36,001	2017	NW	87.8	\$1.08	\$38,939		--	--	--
<b>TOTAL RESIDENTIAL CRACKSEAL:</b>			<b>6.72</b>		<b>13.43</b>	<b>136,445</b>					<b>\$147,579</b>				
<b>RESIDENTIAL CHIPSEAL</b>															
ARROWHEAD DR	FROM SHAWNEE	TO BEDFORD ET AL	1.46	2	2.92	32,596	2017	NW	66.5	\$8.65	\$282,043		--	--	--
BROAD AV	FROM LIDGERWOOD	TO NEVADA ET AL	1.33	2	2.66	23,373	2017	NE	67.4	\$8.65	\$202,245		--	--	--
D ST	FROM 23RD	TO GRANDVIEW ET AL	2.63	2	5.25	52,919	2017	S	52.9	\$8.65	\$457,900		--	--	--
<b>TOTAL RESIDENTIAL CHIPSEAL:</b>			<b>5.41</b>		<b>10.83</b>	<b>108,888</b>					<b>\$942,188</b>				
<b>RESIDENTIAL GRIND &amp; OVERLAY</b>															
32ND AV	REGAL ST	RAY ST	0.25	2	0.50	4,437	2017	S	51.5	\$43.26	\$191,948		--	--	--
CROWN AV	ASSEMBLY ST	ALAMEDA BL	0.36	2	0.72	6,330	2017	NW	25.3	\$43.26	\$273,861		--	--	--
MARIETTA AV	FREYA ST	MYRTLE ST	0.27	2	0.55	5,800	2017	NE	22.8	\$43.26	\$250,931		--	--	--
<b>TOTAL RESIDENTIAL GRIND &amp; OVERLAY:</b>			<b>0.89</b>		<b>1.77</b>	<b>16,567</b>					<b>\$716,740</b>				



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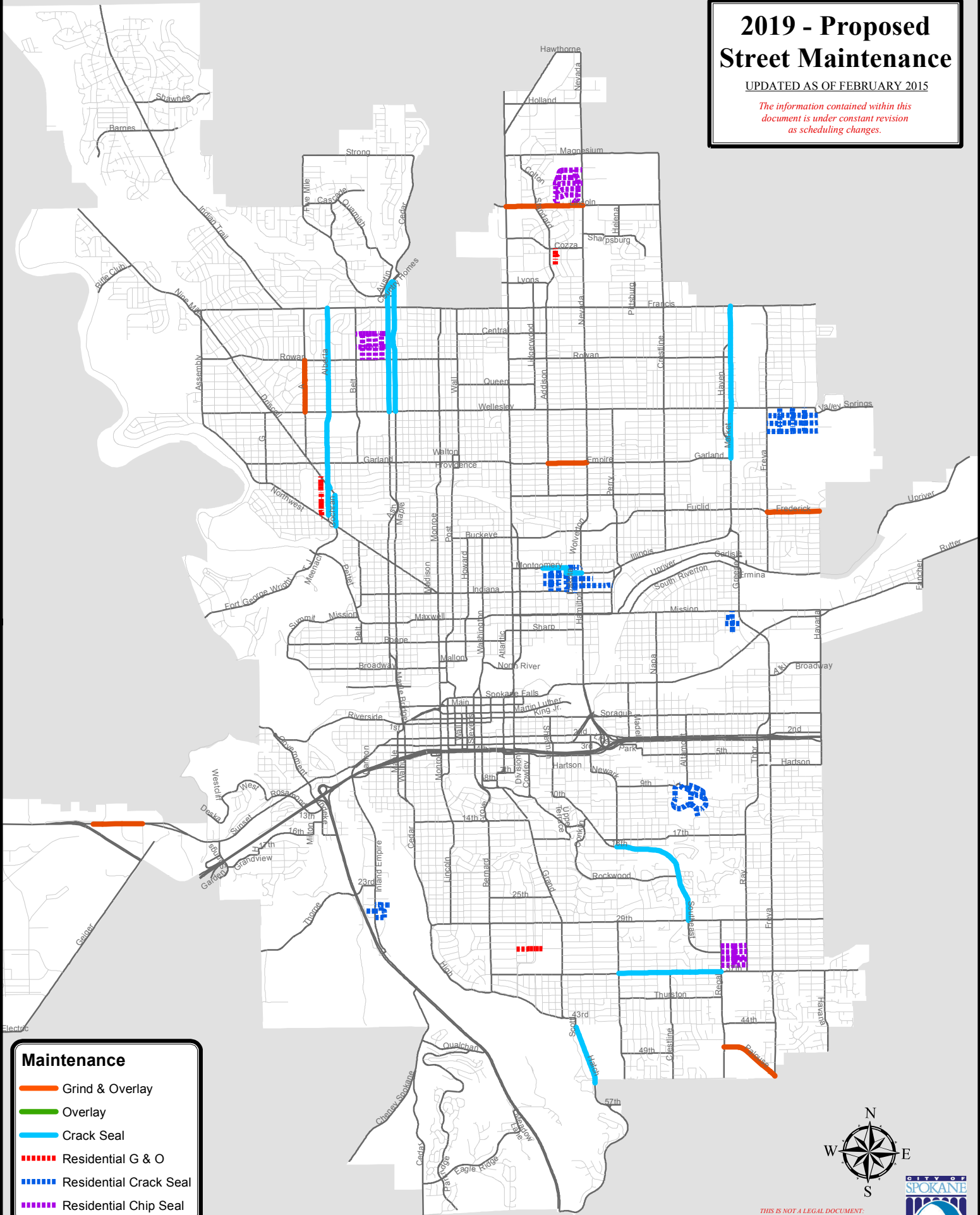
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<b>ARTERIAL CRACKSEAL</b>															
ASH ST	BOONE AV	NORTHWEST BL	0.75	3	2.26	17,905	2018	NW	92.3	\$1.12	\$20,141		--	--	--
BELT ST	NORA AV	MONTGOMERY AV	0.31	2	0.63	5,517	2018	NW	91.2	\$1.12	\$6,205		--	--	--
CRESTLINE ST	WELLESLEY AV	FRANCIS AV	0.96	4	3.89	27,414	2018	NE	92.6	\$1.12	\$30,838		--	--	--
DRISCOLL BL	COURTLAND AV	ASSEMBLY ST	2.20	2-3	4.80	63,551	2018	NW	93.3	\$1.12	\$71,486		--	--	--
GROVE ST	14TH AV	SUMNER AV	0.21	4	0.82	6,401	2018	S	89.0	\$1.12	\$7,201		--	--	--
INDIANA AV	BELT ST	MAPLE ST	0.34	2	0.68	10,200	2018	NW	93.0	\$1.12	\$11,474		--	--	--
MAPLE ST	BOONE AV	NORTHWEST BL	0.72	3-4	2.24	17,293	2018	NW	79.6	\$1.12	\$19,453		--	--	--
RIVERSIDE AV	CLARK AV	HEMLOCK ST	0.47	2	0.94	6,600	2018	S	94.0	\$1.12	\$7,424		--	--	--
WALL ST	WELLESLEY AV	FRANCIS AV	0.96	2	1.92	16,873	2018	NW	93.4	\$1.12	\$18,980		--	--	--
<b>TOTAL ARTERIAL CRACKSEAL:</b>			<b>6.93</b>		<b>18.17</b>	<b>171,755</b>					<b>\$193,201</b>				
<b>ARTERIAL GRIND &amp; OVERLAY</b>															
29TH AV	FREYA ST	HAVANA ST	0.50	2	1.01	10,341	2018	S	50.5	\$31.50	\$325,688		1,454	\$84.36	\$122,678
7TH AV	BROWNE ST	DIVISION ST	0.10	2	0.20	2,356	2018	S	64.0	\$31.50	\$74,191		331	\$84.36	\$27,946
A ST	DRISCOLL BL	WELLESLEY AV	0.44	2	0.87	6,131	2018	NW	58.0	\$31.50	\$193,093	TRAVEL LANES ONLY	862	\$84.36	\$72,733
ALTAMONT ST	HARTSON AV	3RD AV	0.25	2	0.57	5,947	2018	S	70.0	\$31.50	\$187,297		836	\$84.36	\$70,550
EMPIRE AV	DIVISION ST	ADDISON ST	0.37	2	0.74	6,470	2018	NE	55.3	\$31.50	\$203,780		910	\$84.36	\$76,759
FT G. WRIGHT DR	850' E OF SFCC SIGNAL	MEENACH BR	0.33	4	1.31	10,500	2018	NW	42.0	\$31.50	\$330,710		1,477	\$84.36	\$124,570
SUNSET HY	LEWIS ST	ROYAL ST	0.93	2	1.86	17,468	2018	S	62.8	\$31.50	\$550,189		2,457	\$84.36	\$207,242
WELLESLEY AV	ALTAMONT ST	HAVEN ST	0.42	4	1.66	11,696	2018	NE	63.5	\$31.50	\$368,379		1,645	\$84.36	\$138,759
<b>TOTAL ARTERIAL GRIND &amp; OVERLAY:</b>			<b>3.33</b>		<b>8.22</b>	<b>70,908</b>					<b>\$2,233,328</b>		<b>9,971</b>		<b>\$841,237</b>
<b>ARTERIAL OVERLAY</b>															
THORPE RD	W CITY LIMITS	D ST	0.37	2	0.73	4,732	2018	S	38.5	\$27.00	\$127,761		666	\$84.36	\$56,145
<b>TOTAL ARTERIAL OVERLAY:</b>			<b>0.37</b>		<b>0.73</b>	<b>4,732</b>					<b>\$127,761</b>		<b>666</b>		<b>\$56,145</b>
<b>RESIDENTIAL CRACKSEAL</b>															
1ST/2ND	FROM COUER D'ALENE	TO MAPLE	1.13	2	2.27	21,971	2018	S	85.6	\$1.12	\$24,715		--	--	--
4TH AV	ET	AL	1.08	2	2.16	20,531	2018	S	86.9	\$1.12	\$23,095		--	--	--
CANNON/SHANNON	ET	AL	1.66	2	3.32	31,233	2018	NW	89.9	\$1.12	\$35,133		--	--	--
EUCLID/MORTON	MAYFAIR ST	DALTON AV	0.74	2	1.47	13,417	2018	NE	94.7	\$1.12	\$15,092		--	--	--
JOSEPH/WASHINGTON	ET	AL	3.57	2	7.14	66,556	2018	NW	77.9	\$1.12	\$74,867		--	--	--
MILTON/QUEEN	ET	AL	1.74	2	3.47	35,657	2018	NW	93.0	\$1.12	\$40,110		--	--	--
UPPER TERRACE RD	ROCKWOOD BL	ROCKWOOD BL	0.36	2	0.72	4,856	2018	S	40.3	\$1.12	\$5,462		--	--	--
<b>TOTAL RESIDENTIAL CRACKSEAL:</b>			<b>10.28</b>		<b>20.56</b>	<b>194,221</b>					<b>\$218,473</b>				
<b>RESIDENTIAL CHIPSEAL</b>															
MADELIA ST	FROM 53RD	TO 49TH ET AL	1.47	2	2.93	31,981	2018	S	63.2	\$9.00	\$287,797		--	--	--
NORA AV	FROM ASTOR	TO HAMILTON ET AL	1.75	2	3.51	45,016	2018	NE	67.5	\$9.00	\$405,099		--	--	--
RIVERVIEW	FROM NORTHWEST	TO A ET AL	1.52	2	3.04	25,522	2018	NW	63.2	\$9.00	\$229,669		--	--	--
<b>TOTAL RESIDENTIAL CHIPSEAL:</b>			<b>4.74</b>		<b>9.47</b>	<b>102,520</b>					<b>\$922,565</b>				
<b>RESIDENTIAL GRIND &amp; OVERLAY</b>															
GARFIELD	29TH AV	26TH AV	0.24	2	0.49	5,038	2018	S	36.5	\$44.99	\$226,673		--	--	--
HELENA ST	TRENT AV	BROADWAY AV	0.18	2	0.36	5,067	2018	NE	56.0	\$44.99	\$227,972		--	--	--
NETTLETON ST	GARLAND AV	LONGFELLOW AV	0.25	2	0.50	4,423	2018	NW	23.6	\$44.99	\$199,026		--	--	--
<b>TOTAL RESIDENTIAL GRIND &amp; OVERLAY:</b>			<b>0.67</b>		<b>1.35</b>	<b>14,528</b>					<b>\$653,671</b>				

# 2019 - Proposed Street Maintenance

UPDATED AS OF FEBRUARY 2015

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**Maintenance**

- Grind & Overlay
- Overlay
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- - - - Residential G & O
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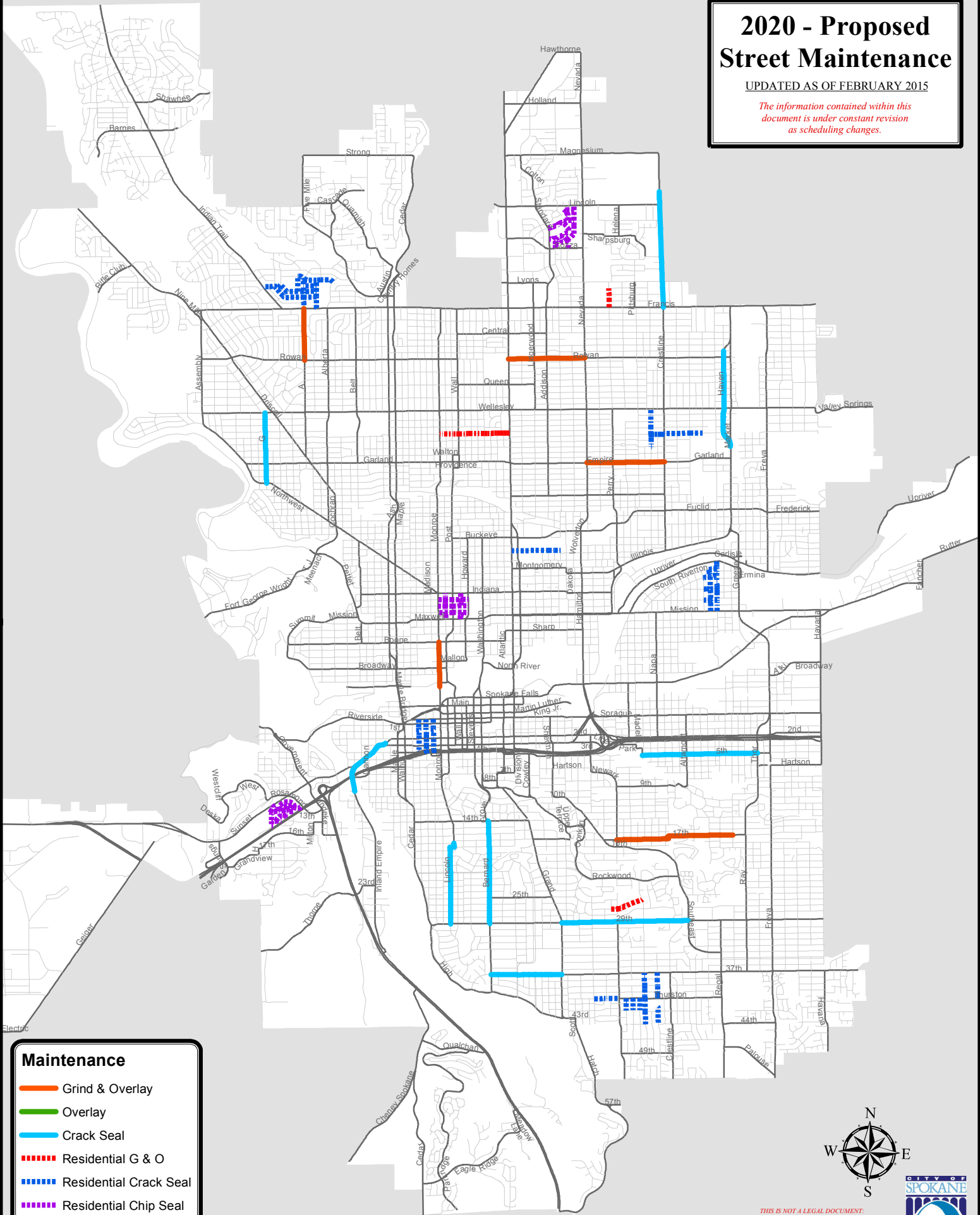
**2019 PROPOSED MAINTENANCE**

Street	From	To	CL Miles	Lanes	Lane Miles	Maint Area	Maint Year	District	Avg. PCI	\$/Yd.	Total Cost	Comments	Ton Asph.	Asph\$/yd	Asph. Cost
<b>ARTERIAL CRACKSEAL</b>															
37TH AV	PERRY ST	REGAL ST	0.98	2	1.97	19,203	2019	S	90.1	\$1.17	\$22,465		--	--	--
ALBERTA ST	NORTHWEST BL	FRANCIS AV	2.04	2-3	5.77	44,540	2019	NW	94.0	\$1.17	\$52,105		--	--	--
ASH ST	WELLESLEY AV	COUNTRY HOMES	1.22	2-4	2.80	29,005	2019	NW	90.5	\$1.17	\$33,932		--	--	--
COCHRAN ST	NORTHWEST BL	COURTLAND AV	0.30	2	0.59	6,218	2019	NW	93.8	\$1.17	\$7,274		--	--	--
HATCH RD	54TH AV	43RD AV	0.67	2	1.34	14,331	2019	S	90.0	\$1.17	\$16,765		--	--	--
ILLINOIS/MONTGOMERY	ASTOR ST	HAMILTON ST	0.44	2	0.87	11,547	2019	NE	94.7	\$1.17	\$13,508		--	--	--
MAPLE ST	WELLESLEY AV	COUNTRY HOMES BL	1.22	2	2.53	24,986	2019	NW	91.7	\$1.17	\$29,230		--	--	--
MARKET ST	GARLAND AV	FRANCIS AV	1.48	2-5	4.59	40,028	2019	NE	93.8	\$1.17	\$46,827		--	--	--
SOUTHEAST BL	29TH AV	PERRY ST	1.17	2	2.33	27,347	2019	S	91.0	\$1.17	\$31,992		--	--	--
<b>TOTAL ARTERIAL CRACKSEAL:</b>			<b>9.51</b>		<b>22.79</b>	<b>217,204</b>					<b>\$254,098</b>				
<b>ARTERIAL GRIND &amp; OVERLAY</b>															
A ST	WELLESLEY AV	ROWAN AV	0.50	2	1.01	10,368	2019	NW	58.8	\$32.76	\$339,607		1,458	\$87.74	\$127,921
EMPIRE AV	ADDISON ST	NEVADA ST	0.38	2	0.76	6,700	2019	NE	45.7	\$32.76	\$219,465	TRAVEL LANES ONLY	942	\$87.74	\$82,667
FREDERICK AV	FREYA ST	HAVANA ST	0.51	2	1.01	9,932	2019	NE	51.0	\$32.76	\$325,322		1,397	\$87.74	\$122,540
LINCOLN RD	DIVISION ST	NEVADA ST	0.75	4	3.00	21,152	2019	NE	47.3	\$32.76	\$692,856		2,975	\$87.74	\$260,981
PALOUSE HY	REGAL ST	FREYA ST	0.60	2	1.20	14,049	2019	S	71.7	\$32.76	\$460,186		1,976	\$87.74	\$173,340
SUNSET HY	SUNSET RAMP	LEWIS ST	0.48	4	1.93	14,642	2019	S	68.3	\$32.76	\$479,614		2,059	\$87.74	\$180,658
<b>TOTAL ARTERIAL GRIND &amp; OVERLAY:</b>			<b>3.22</b>		<b>8.92</b>	<b>76,842</b>					<b>\$2,517,051</b>		<b>10,806</b>		<b>\$948,108</b>
<b>ARTERIAL OVERLAY</b>															
<b>TOTAL ARTERIAL OVERLAY:</b>			<b>0.00</b>		<b>0.00</b>	<b>0</b>					<b>\$0</b>		<b>0</b>		<b>\$0</b>
<b>RESIDENTIAL CRACKSEAL</b>															
26TH THRU 28TH	&	OAK	0.53	2	1.06	8,659	2019	S	91.0	\$1.17	\$10,130		--	--	--
ALTAMONT BL	ET	AL	1.36	2	2.71	25,462	2019	S	87.3	\$1.17	\$29,786		--	--	--
DAKOTA ST	ET	AL	2.14	2	4.29	46,698	2019	NE	92.0	\$1.17	\$54,630		--	--	--
FISKE-	SINTO-	SHARP	0.43	2	0.85	9,836	2019	NE	95.0	\$1.17	\$11,506		--	--	--
MYRTLE/LONGFELLOW	ET	AL	2.20	2	4.40	39,501	2019	NE	93.7	\$1.17	\$46,210		--	--	--
<b>TOTAL RESIDENTIAL CRACKSEAL:</b>			<b>6.65</b>		<b>13.31</b>	<b>130,155</b>					<b>\$152,263</b>				
<b>RESIDENTIAL CHIPSEAL</b>															
FISKE ST	FROM 36TH	TO 33RD ET AL	1.45	2	2.40	24,641	2019	S	69.8	\$9.36	\$230,615		--	--	--
JOSEPH AV	FROM BELT	TO ASH ET AL	1.66	2	3.33	34,144	2019	NW	66.4	\$9.36	\$319,553		--	--	--
ST THOMAS MORE WY	FROM DAKOTA	TO HAVADA ET AL	1.82	2	3.64	38,416	2019	NE	72.6	\$9.36	\$359,530		--	--	--
<b>TOTAL RESIDENTIAL CHIPSEAL:</b>			<b>4.93</b>		<b>9.36</b>	<b>97,202</b>					<b>\$909,699</b>				
<b>RESIDENTIAL GRIND &amp; OVERLAY</b>															
33RD AV	DIVISION ST	LAMONTE ST	0.26	2	0.51	4,510	2019	S	28.0	\$46.79	\$211,042		--	--	--
DAKOTA ST	WEDGEWOOD AV	COZZA DR	0.19	2	0.37	4,347	2019	NE	25.8	\$46.79	\$203,399		--	--	--
LINDEKE ST	NORTHWEST BL	DRISCOLL BL	0.39	2	0.78	6,903	2019	NW	53.1	\$46.79	\$323,037		--	--	--
<b>TOTAL RESIDENTIAL GRIND &amp; OVERLAY:</b>			<b>0.83</b>		<b>1.67</b>	<b>15,760</b>					<b>\$737,479</b>				

# 2020 - Proposed Street Maintenance

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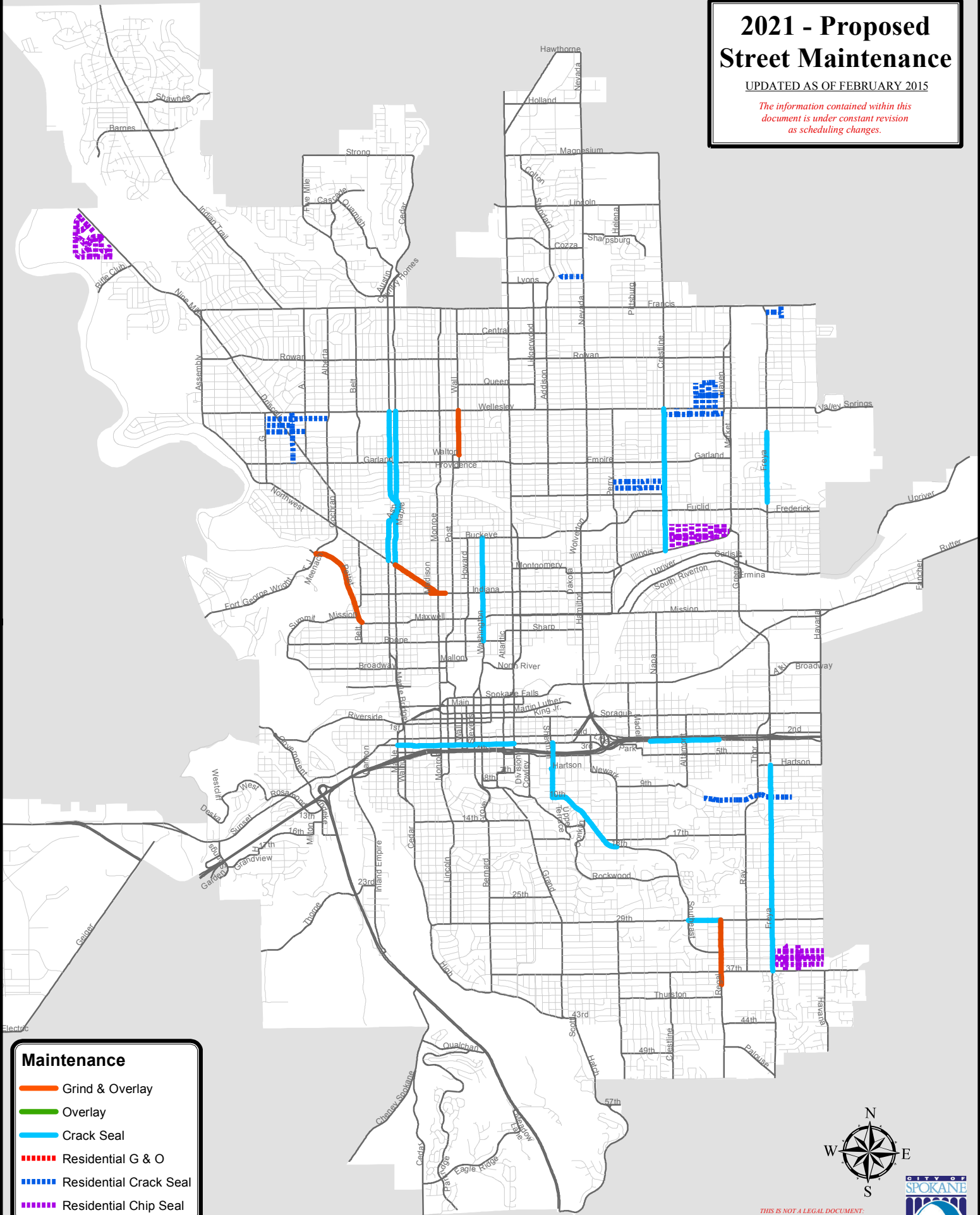
**2020 PROPOSED MAINTENANCE**

Street	From	To	CL Miles	Lanes	Lane Miles	Maint Area	Maint Year	District	Avg. PCI	\$/Yd.	Total Cost	Comments	Ton Asph.	Asph\$/yd	Asph. Cost
<b>ARTERIAL CRACKSEAL</b>															
29TH AV	GRAND BL	SOUTHEAST BL	1.17	4-5	4.78	32,875	2020	S	75.0	\$1.22	\$39,997		--	--	--
37TH AV	BERNARD ST	GRAND BL	0.68	2	1.37	16,062	2020	S	91.0	\$1.22	\$19,542		--	--	--
5TH AV	PITTSBURG ST	THOR ST	1.13	2	2.25	25,113	2020	S	93.1	\$1.22	\$30,554		--	--	--
BERNARD ST	29TH AV	14TH AV	1.00	2	2.01	24,138	2020	S	80.4	\$1.22	\$29,367		--	--	--
CRESTLINE ST	FRANCIS AV	BROOKLYN AV	1.10	2	2.21	28,190	2020	NE	93.4	\$1.22	\$34,298		--	--	--
G ST	NORTHWEST BL	WELLESLEY AV	0.69	2	1.38	15,034	2020	NW	95.1	\$1.22	\$18,292		--	--	--
HAVEN ST	RICH AV	NEBRASKA AV	0.91	2	1.81	18,459	2020	NE	93.4	\$1.22	\$22,458		--	--	--
INLAND EMPIRE/SUNSET	9TH AV	OAK ST	0.56	2-4	1.54	15,094	2020	S	92.0	\$1.22	\$18,364		--	--	--
LINCOLN ST	29TH AV	17TH AV	0.78	2	1.57	17,436	2020	S	91.0	\$1.22	\$21,214		--	--	--
<b>TOTAL ARTERIAL CRACKSEAL:</b>			<b>8.02</b>		<b>18.91</b>	<b>192,402</b>					<b>\$234,086</b>				
<b>ARTERIAL GRIND &amp; OVERLAY</b>															
17TH AV	PERRY ST	FISKE ST	1.14	2	2.27	20,312	2020	S	73.6	\$34.07	\$691,943		2,856	\$91.25	\$260,637
A ST	ROWAN AV	FRANCIS AV	0.50	2	1.00	10,317	2020	NW	64.5	\$34.07	\$351,469		1,451	\$91.25	\$132,389
EMPIRE AV	NEVADA ST	CRESTLINE ST	0.76	2	1.51	19,497	2020	NE	57.7	\$34.07	\$664,187		2,742	\$91.25	\$250,182
MONROE ST	MONROE BRIDGE	BOONE AV	0.42	4	1.67	10,054	2020	NW	53.7	\$34.07	\$342,506	TRAVEL LANES ONLY	1,414	\$91.25	\$129,013
ROWAN AV	DIVISION ST	NEVADA ST	0.75	2	1.50	15,412	2020	NE	36.5	\$34.07	\$525,018		2,167	\$91.25	\$197,761
<b>TOTAL ARTERIAL GRIND &amp; OVERLAY:</b>			<b>3.56</b>		<b>7.96</b>	<b>75,592</b>					<b>\$2,575,123</b>		<b>10,630</b>		<b>\$969,982</b>
<b>ARTERIAL OVERLAY</b>															
<b>TOTAL ARTERIAL OVERLAY:</b>			<b>0.00</b>		<b>0.00</b>	<b>0</b>					<b>\$0</b>		<b>0</b>		<b>\$0</b>
<b>RESIDENTIAL CRACKSEAL</b>															
A ST	ET	AL	2.22	2	4.44	48,627	2020	NW	88.8	\$1.22	\$59,162		--	--	--
ADAMS/JEFFERSON/	MADISON FROM 4TH	TO SPRAGUE	0.96	2	1.92	28,753	2020	S	86.8	\$1.22	\$34,982		--	--	--
JACKSON AV	RUBY ST	STANDARD ST	0.48	2	0.96	11,630	2020	NE	80.0	\$1.22	\$14,149		--	--	--
NAPA/RICH	LACROSSE TO WELLESLEY	& NAPA TO LACEY	0.87	2	1.75	15,728	2020	NE	83.8	\$1.22	\$19,135		--	--	--
PITTSBURG ST	ET	AL	1.51	2	3.02	30,282	2020	S	85.1	\$1.22	\$36,843		--	--	--
REGAL ST	ET	AL	1.37	2	2.74	26,590	2020	NE	89.9	\$1.22	\$32,351		--	--	--
<b>TOTAL RESIDENTIAL CRACKSEAL:</b>			<b>7.41</b>		<b>14.82</b>	<b>161,609</b>					<b>\$196,622</b>				
<b>RESIDENTIAL CHIPSEAL</b>															
AUGUSTA AV	FROM MONROE	TO HOWARD ET AL	1.33	2	2.65	23,926	2020	NW	73.9	\$9.73	\$232,873		--	--	--
WILDING DR	FROM STANDARD	TO LINCOLN ET AL	1.55	2	3.10	32,953	2020	NE	69.5	\$9.73	\$320,742		--	--	--
WOODLAND BL	FROM F ST	TO ROSAMOND ET AL	1.32	2	2.64	21,812	2020	S	56.6	\$9.73	\$212,305		--	--	--
<b>TOTAL RESIDENTIAL CHIPSEAL:</b>			<b>4.19</b>		<b>8.39</b>	<b>78,691</b>					<b>\$765,920</b>				
<b>RESIDENTIAL GRIND &amp; OVERLAY</b>															
27TH AV	DENVER ST	PITTSBURG ST	0.32	2	0.64	6,265	2020	S	33.0	\$48.67	\$304,882		--	--	--
LONGFELLOW AV	MONROE ST	DIVISION ST	0.69	2	1.37	12,989	2020	NW	53.0	\$48.67	\$632,119		--	--	--
PERRY ST	FRANCIS AV	HOLYOKE AV	0.19	2	0.38	4,400	2020	NE	22.3	\$48.67	\$214,131		--	--	--
<b>TOTAL RESIDENTIAL GRIND &amp; OVERLAY:</b>			<b>1.19</b>		<b>2.39</b>	<b>23,654</b>					<b>\$1,151,132</b>				

# 2021 - Proposed Street Maintenance

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**2021 PROPOSED MAINTENANCE**

Street	From	To	CL Miles	Lanes	Lane Miles	Maint Area	Maint Year	District	Avg. PCI	\$/Yd.	Total Cost	Comments	Ton Asph.	Asph\$/yd	Asph. Cost
<b>ARTERIAL CRACKSEAL</b>															
29TH AV	SOUTHEAST BL	REGAL ST	0.29	4-5	1.31	8,075	2021	S	77.3	\$1.27	\$10,217		--	--	--
3RD AV	MAGNOLIA ST	REGAL ST	0.67	2	1.34	15,716	2021	S	86.0	\$1.27	\$19,885		--	--	--
3RD AV	MAPLE ST	DIVISION ST	1.13	3-4	3.89	33,853	2021	S	89.8	\$1.27	\$42,834		--	--	--
ASH ST	NORTHWEST BL	WELLESLEY AV	1.41	2	2.88	29,716	2021	NW	93.9	\$1.27	\$37,601		--	--	--
CRESTLINE ST	ILLINOIS AV	WELLESLEY AV	1.39	2-5	5.07	39,056	2021	NE	93.3	\$1.27	\$49,418		--	--	--
FREYA ST	37TH AV	HARTSON AV	2.01	2	4.03	37,745	2021	S	79.3	\$1.27	\$47,759		--	--	--
FREYA ST	LIBERTY AV	RICH AV	0.68	2	1.36	13,159	2021	NE	77.7	\$1.27	\$16,650		--	--	--
MAPLE ST	NORTHWEST BL	WELLESLEY AV	1.42	2	2.93	28,784	2021	NW	93.9	\$1.27	\$36,420		--	--	--
SOUTHEAST/SHERMAN	PERRY AV	3RD AV	1.34	2-4	2.88	33,654	2021	S	91.0	\$1.27	\$42,583		--	--	--
WASHINGTON ST	BOONE AV	BUCKEYE AV	1.01	4-5	4.44	29,684	2021	NW	90.3	\$1.27	\$37,560		--	--	--
<b>TOTAL ARTERIAL CRACKSEAL:</b>			<b>11.35</b>		<b>30.12</b>	<b>269,440</b>					<b>\$340,928</b>				
<b>ARTERIAL GRIND &amp; OVERLAY</b>															
NORTHWEST/INDIANA	MAPLE ST	LINCOLN ST	0.67	5	2.87	22,253	2021	NW	81.4	\$35.43	\$788,388		3,129	\$94.90	\$296,965
PETTET DR	DOWNRIVER DR	BELT ST	0.95	2	1.91	24,984	2021	NW	42.3	\$35.43	\$885,156		3,513	\$94.90	\$333,416
REGAL ST	39TH AV	29TH AV	0.57	4	2.35	15,535	2021	SE	77.8	\$35.43	\$550,392		2,185	\$94.90	\$207,319
WALL ST	WALTON AV	WELLESLEY AV	0.40	2	0.80	7,077	2021	NW	73.7	\$35.43	\$250,719		995	\$94.90	\$94,439
<b>TOTAL ARTERIAL GRIND &amp; OVERLAY:</b>			<b>2.59</b>		<b>7.92</b>	<b>69,848</b>					<b>\$2,474,656</b>		<b>9,822</b>		<b>\$932,139</b>
<b>ARTERIAL OVERLAY</b>															
<b>TOTAL ARTERIAL OVERLAY:</b>			<b>0.00</b>		<b>0.00</b>	<b>0</b>					<b>\$0</b>		<b>0</b>		<b>\$0</b>
<b>RESIDENTIAL CRACKSEAL</b>															
11TH AV	FROM ALTAMONT	TO JULIA	0.87	2	1.75	15,383	2021	S	87.0	\$1.27	\$19,465		--	--	--
BEACON AV	DAKOTA ST	NEVADA ST	0.21	2	0.42	4,942	2021	NW	89.7	\$1.27	\$6,253		--	--	--
C ST	ET	AL	1.76	2	3.52	30,967	2021	NW	78.6	\$1.27	\$39,183		--	--	--
GLASS/COURTLAND	FROM PERRY	TO CRESTLINE	1.06	2	2.13	18,730	2021	NE	94.8	\$1.27	\$23,699		--	--	--
JULIA/DECATUR			0.28	2	0.55	6,164	2021	S	89.0	\$1.27	\$7,800		--	--	--
LACEY/HOFFMAN	ET	AL	2.21	2	4.41	47,796	2021	NE	86.3	\$1.27	\$60,477		--	--	--
<b>TOTAL RESIDENTIAL CRACKSEAL:</b>			<b>6.39</b>		<b>12.78</b>	<b>123,983</b>					<b>\$156,877</b>				
<b>RESIDENTIAL CHIPSEAL</b>															
35TH AV	FROM FREYA	TO HAVANA ET AL	2.01	2	4.03	44,922	2021	S	84.0	\$10.12	\$454,728		--	--	--
BUCKEYE AV	FROM CRESTLINE	TO MARKET ET AL	2.35	2	4.70	43,250	2021	NE	79.5	\$10.12	\$437,800		--	--	--
DESCHUTES DR	FROM TUCANNON	TO EXCELL ET AL	2.39	2	4.78	50,496	2021	NW	81.9	\$10.12	\$511,148		--	--	--
<b>TOTAL RESIDENTIAL CHIPSEAL:</b>			<b>6.76</b>		<b>13.52</b>	<b>138,668</b>					<b>\$1,403,676</b>				
Name	Begin	End					2021			\$50.61	\$0		--	--	--
<b>TOTAL RESIDENTIAL GRIND &amp; OVERLAY:</b>			<b>0.00</b>		<b>0.00</b>	<b>0</b>					<b>\$0</b>				