This document is a long range plan and is intended to provide a framework from which the City can plan for needed roadway improvements and maintenance. This plan is based on assumptions related to budget allocations, inflation rates and predictions of future events. As assumptions and predictions become less reliable over time, readers should place more weight on only the first few years. This plan will be subject to changes based on actual events and will be reviewed and updated annually.

The City of Kirtland

2022-2031 Street Plan

March 14, 2022

~5% inflation applied from 2021 dollars to 2022

Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation	**$11,443,500.00**
2022 - 2029 Maintenance	**$3,464,533.00**
EST. 2030-2031	**$1,500,000.00**
Total	**$16,408,033.00**

Construction Cost (Incl. 10% Contingency & Inflation):	$242,746	$973,770
Overhead (10%) / Inspection (2%):	$29,130	$116,852
		$1,362,498
RECOMMENDED ACTION / YEAR	**$271,876**	**$1,090,622**
	2022	

RANK (2018)	STREET NAME	FROM	TO	WARD	PCR	LENGTH (MILES)	LAST IMPROVED			LAST MAINTENANCE		PLANNED YEAR	MAINTENANCE: CRACK SEAL	MAINTENANCE: REJUVENATOR / FOG SEAL	MAINTENANCE: PARTIAL / FULL DEPTH REPAIR	MAINTENANCE: DOUBLE CHIP SEAL & MASTIC	MAINTENANCE: STRIPING	REHABILITATION: RECONSTRUCT	REHABILITATION: RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)	REHABILITATION: REPAIR, PRE-SEAL & OVERLAY	REHABILITATION: REPROFILE	REHABILITATION: DRAINAGE	2022 MAINTENANCE	2022 REHABILITATION
7	Mitchell Mills Road	Sperry Road	Kirtland City Line (East)	2	35.8	0.17	1988	RESURF	CONTR			22								22				$16,950
15	Locust Drive	SR 306	SR 306	4	90.0	0.79	2001	RESURF	SD	2021	DBL CHIP	22								22				$86,260
16	Fox Hill Drive	Kirtland-Chardon Road	North End Culdesac	2	43.1	0.24	1997	RESURF	SD			22								22		22		$138,570
46	Loreto Ridge Drive	Billings Road	South End Culdesac	4	55.1	0.37	1992	NEW	DEV			22								22				$199,700
10	Prelog Lane	Sperry Road	West End Culdesac	4	39.9	0.30	1993	RESURF	DEV			22								22				$240,475
25	Shadowbrook Drive	Hobart Road	West End Culdesac	3	44.8	0.59	1993	RESURF	CONTR			22								22				$291,815
131	Chillicothe Road (North) (Kirtland Rd, SR 306	Kirtland City Line (North)	1,100 south of Clocktower Dr.	1	86.2	0.25	2018	RESURF	odot			22	22				22						$7,553	
145	Chillicothe Road (South) (aka SR306)	1,100 south of Clocktower Dr.	Kirtland City Line (South)	1	100.0	4.69	2018	RESURF	odot			22	22				22						$79,193	
56	Kirtland-Chardon Road (North)	Chillicothe Road	Booth Road	2	59.0	2.19	1982	RESURF	CONTR			22			22		22						$156,000	
					REHAB	2.46																		
					MAINT	7.13																		

Prepared by The C.W. Courtney Company
Run Date: 3/14/2022

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Construction Cost (Incl. 10% Contingency & Inflation): $282,049 $2,082,051

Overhead (10%) / Inspection (2%): $33,846 $249,846

The City of Kirtland

2022-2031 Street Plan

March 14, 2022

~5% inflation applied from 2021 dollars to 2022

Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation $11,443,500.00

2022 - 2029 Maintenance $3,464,533.00

EST. 2030-2031 $1,500,000.00

Total $16,408,033.00

$2,647,792

													RECOMMENDED ACTION / YEAR										**$315,895**	**$2,331,897**
													MAINTENANCE					**REHABILITATION**					**2023**	
RANK (2018)	**STREET NAME**	**FROM**	**TO**	**WARD**	**PCR**	**LENGTH (MILES)**	**LAST IMPROVED**			**LAST MAINTENANCE**		**PLANNED YEAR**	**CRACK SEAL**	**REJUVENATOR / FOG SEAL**	**PARTIAL / FULL DEPTH REPAIR**	**DOUBLE CHIP SEAL & MASTIC**	**STRIPING**	**RECONSTRUCT**	**RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)**	**REPAIR, PRE-SEAL & OVERLAY**	**REPROFILE**	**DRAINAGE**	**MAINTENANCE**	**REHABILITATION**
13	Highland Court	Hillcrest Road	West End Dead End	4	41.1	0.13	2001	RESURF	SD			**23**								23				$56,082
9	Emerald Glen Court	SR 306	1260' East of SR 306	4	37.4	0.24	1992	NEW	DEV			**23**									23	23	23	$60,000
12	Beechwood Drive	Parkwood Drive	Crestwood Drive	3	40.8	0.17	1992	RESURF	CONTR			**23**								23			23	$62,502
39	Elmwood Drive	Crestwood Drive	Parkwood Drive	3	52.1	0.16	1992	RESURF	CONTR			**23**								23			23	$63,580
17	Timbercreek Drive	Berkshire Hills Drive	North End Culdesac	3	43.2	0.16	2003	RESURF	SD			**23**								23			23	$68,430
42	Hillsover Drive	Berkshire Hills Drive	Longview Drive	3	53.9	0.17	2004	RESURF	SD			**23**								23			23	$77,902
43	Crestwood Drive (South)	275' S. of Oakwood Dr.	South End Culdesac	3	54.5	0.16	1992	RESURF	CONTR			**23**								23			23	$100,134
14	Markell Road	SR 306	Kirtland City Line (West)	1	42.6	0.25	1993	RESURF	CONTR			**23**								23			23	$100,369
22	Longview Drive	Graylock Drive	North End Culdesac	3	44.0	0.26	2004	RESURF	SD			**23**								23			23	$106,486
66	Berkshire Hills Drive	Graylock Drive	Timbercreek Drive	3	62.0	0.32	2004	RESURF	SD			**23**								23			23	$134,299
18	Grandview Drive	SR 6	North End Culdesac	3	43.6	0.28	2016	RESURF	SD			**23**									23		23	$134,512
24	Crestwood Drive (North)	Beechwood Drive	275' S. of Oakwood Dr.	3	44.2	0.31	1992	RESURF	CONTR			**23**								23			23	$141,742
19	Hillcrest Road	Billings Road	North End Dead End	4	43.6	0.38	2001	RESURF	SD			**23**								23				$161,498
6	Monterey Avenue	SR 306	West End Culdesac	3	34.2	0.40	2005	RESURF	SD			**23**								23			23	$200,383
65	Blueberry Hill Drive	SR 6	South End Culdesac	3	61.4	0.40	1998	NEW	DEV			**23**								23			23	$223,330
45	Regency Woods Drive (South)	Kirtland-Chardon Road	Cardinal Drive	2	54.7	0.70	2001	RESURF	SD			**23**								23			23	$330,160
2	Booth Road	Eagle Road East	Kirtland City Line	2	98.0	1.29	2019	RESURF	CONTR			**23**	23	23										$28,483
49	Chillicothe Road (East) (aka 615)	SR 306	Kirtland City Line (East)	1	57.3	0.74	2018	RESURF	odot			**23**	23				23							$12,370
142	Eagle Road (West)	SR 306	Kirtland City Line	1	95.6	0.88	2017	RESURF	SD	2020	CS	**23**					23							$3,001
115	Hobart Road	SR 6	Kirtland City Line (North)	1	77.7	1.19	2002	RESURF	SD			**23**	23		23		23							$120,968
55	Kirtland-Chardon Road (Mid)	Booth Road	Sperry Road	2	58.6	1.37	1982	RESURF	CONTR			**23**			23		23							$72,101
48	Kirtland-Chardon Road (South)	Sperry Road	Kirtland City Line (East)	2	57.0	0.70	1982	RESURF	CONTR			**23**			23		23							$36,912
					REHAB	4.48																		
					MAINT	6.19																		

Prepared by The C.W. Courtney Company

Run Date: 3/14/2022

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Construction Cost (Incl. 10% Contingency & Inflation): $252,980 $2,157,532

Overhead (10%) / Inspection (2%): $30,358 $258,904

The City of Kirtland

2022-2031 Street Plan

March 14, 2022

~5% inflation applied from 2021 dollars to 2022

Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation $11,443,500.00

2022 - 2029 Maintenance $3,464,533.00

EST. 2030-2031 $1,500,000.00

Total $16,408,033.00

$2,699,774

RANK (2018)	STREET NAME	FROM	TO	WARD	PCR	LENGTH (MILES)	LAST IMPROVED			LAST MAINTENANCE		PLANNED YEAR	RECOMMENDED ACTION / YEAR											$283,338	$2,416,436
													MAINTENANCE					REHABILITATION						2024	
													CRACK SEAL	REJUVENATOR / FOG SEAL	PARTIAL / FULL DEPTH REPAIR	DOUBLE CHIP SEAL & MASTIC	STRIPING	RECONSTRUCT	RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)		REPAIR, PRE-SEAL & OVERLAY	REPROFILE	DRAINAGE	MAINTENANCE	REHABILITATION
76	Woodhill Road	Kirtland-Chardon Road	Forestdale Drive	2	65.2	0.09	2002	RESURF	SD			24									24				$34,924
50	Parkwood Drive	SR 306	Elmwood Drive	3	57.4	0.11	1992	RESURF	CONTR			24								24					$38,612
98	Shaw Avenue	Kirtland-Chardon Road	Thorne Avenue	2	72.3	0.08	1993	RESURF	CONTR			24								24			24		$38,808
38	Thorne Avenue	North End Culdesac	South End Culdesac	2	51.4	0.14	1993	RESURF	CONTR			24								24			24		$56,077
64	Kelsey Court	Worell Road	East End Culdesac	3	61.3	0.09	1993	NEW	DEV			24								24					$67,223
51	Eisenhower Drive	SR 306	West End Dead End	1	57.8	0.20	2001	RESURF	SD			24								24					$69,867
54	Applewood Drive	Eagle Road	Alpine Drive	2	58.4	0.21	2003	RESURF	SD			24								24		24	24		$87,198
37	Appaloosa Trail	Birdlehurst Trail	East End Culdesac	4	51.4	0.18	2000	RESURF	SD			24									24	24	24		$116,003
75	Woods Way Drive	Kirtland-Chardon Road	North End Culdesac	2	64.8	0.19	2005	RESURF	SD			24								24		24	24		$125,720
29	Westwood Road	Forestdale Drive	Riverwood Way	2	45.9	0.24	2002	RESURF	SD			24									24	24			$126,730
21	Forestdale Road	North End Culdesac	South End Culdesac	2	44.0	0.53	2002	RESURF	SD			24								24		24	24		$199,662
27	Alpine Drive	Eagle Road	Eagle Road	2	45.2	0.61	2003	RESURF	SD			24								24					$242,503
23	Palomino Trail	Bridlehurst Trail	West End Culdesac	4	44.0	0.44	0	RESURF	SD			24									24	24	24		$310,964
8	Bridlehurst Trail	SR 306	East End Culdesac	4	36.7	0.81	2000	RESURF	SD			24									24	24	24		$521,117
119	Courtney Lane	Billings Road	North End Culdesac	4	78.8	0.23	2005	NEW	DEV			24	24	24										$5,701	
138	Lake Brook Drive	Kirtland Lakes Boulevard	Woodlake Drive	4	92.1	0.53	2017	RESURF	SD			24	24											$5,721	
136	Martin Road	Booth Road	East End Dead End	2	91.5	0.55	2017	RESURF	SD			24	24											$4,376	
129	Orchard Dr.	Hobart Road	South End Culdesac	1	85.5	0.38	2006	NEW	DEV			24	24	24										$9,459	
87	Raccoon Hill Drive	Hobart Road	Loops Back Into Itself	3	69.5	0.93	2005	RESURF	SD			24	24		24									$91,311	
123	Robin Lane	White Oak Road	South End Culdesac	2	79.8	0.20	1995	NEW	DEV			24	24	24										$8,614	
36	Russellhurst Drive	SR 306	West End Culdesac	1	49.2	0.45	2003	RESURF	SD			24	24		24									$46,675	
102	Stone Ridge Dr.	SR 6	North End Culdesac	3	74.2	0.31	2006	NEW	DEV			24	24	24	24									$37,300	
121	Sugarhouse Hill Court	Stone Ridge Drive	North End Culdesac	3	79.4	0.04	2006	NEW	DEV			24	24	24	24									$11,122	
135	Woodlake Drive	Kirtland Lakes Boulevard	West End Culdesac	4	90.3	0.59	2017	RESURF	SD			24	24											$6,942	
139	Worrell Road	SR 6	Kirtland City Line (South)	3	93.2	1.08	2016	RESURF	SD			24	24											$11,441	
					REHAB	3.92																			
					MAINT	5.28																			

Prepared by The C.W. Courtney Company

Run Date: 3/14/2022

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Construction Cost (Incl. 10% Contingency & Inflation):	$420,776	$2,005,149
Overhead (10%) / Inspection (2%):	$50,493	$240,618

The City of Kirtland
2022-2031 Street Plan
March 14, 2022

~5% inflation applied from 2021 dollars to 2022
Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation	**$11,443,500.00**
2022 - 2029 Maintenance	**$3,464,533.00**
EST. 2030-2031	**$1,500,000.00**
Total	**$16,408,033.00**

																									$2,717,036	
													RECOMMENDED ACTION / YEAR												**$471,269**	**$2,245,767**
													MAINTENANCE					**REHABILITATION**							**2025**	
RANK (2018)	**STREET NAME**	**FROM**	**TO**	**WARD**	**PCR**	**LENGTH (MILES)**	**LAST IMPROVED**			**LAST MAINTENANCE**		**PLANNED YEAR**	**CRACK SEAL**	**REJUVENATOR / FOG SEAL**	**PARTIAL / FULL DEPTH REPAIR**	**DOUBLE CHIP SEAL & MASTIC**	**STRIPING**	**RECONSTRUCT**	**RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)**		**REPAIR, PRE-SEAL & OVERLAY**	**REPROFILE**	**DRAINAGE**	**MAINTENANCE**	**REHABILITATION**
83	Gildersleeve Circle	Gildersleeve Drive	West End Culdesac	1	68.7	0.05	2002	RESURF	SD			**25**								25			25		$26,174
35	Florence Road	Alexander Road	North End Dead End	1	48.2	0.10	1992	RESURF	CONTR			**25**								25					$27,012
53	Valleyview Oval	Quail Circle	Quail Circle	2	58.0	0.06	2007	RESURF	SD			**25**								25					$31,357
47	Hickory Hill Court	SR 6	South End Culdesac	3	56.4	0.12	2001	RESURF	SD			**25**								25					$60,576
90	Chapin Falls Lane	Hobart Road	West End Culdesac	3	70.4	0.09	1998	NEW	DEV			**25**								25					$61,435
117	Ascot Place	Rocking Horse Trail	West End Culdesac	4	77.9	0.10	1998	NEW	DEV			**25**								25					$72,934
40	Kimberly Drive	Gildersleeve Drive	Gildersleeve drive	1	52.4	0.30	2002	RESURF	SD			**25**								25			25		$114,865
44	Quail Circle (East)	Circle	East End Culdesac	2	54.6	0.25	2007	RESURF	SD			**25**								25			25		$126,234
34	Ledgewood Drive	Rockwood Drive	West End Culdesac	3	48.0	0.29	1999	RESURF	SD			**25**							25						$172,499
95	Quail Circle (West)	Partridge Trail	Circle	2	71.5	0.34	2007	RESURF	SD			**25**								25			25		$176,345
31	Rockwood Drive	SR 6	South End Culdesac	3	46.0	0.38	1999	RESURF	SD			**25**								25		25	25		$213,694
28	Regency Woods Drive (North)	Cardinal Drive	Riverwood Way / Westwood	2	45.8	0.50	2001	RESURF	SD			**25**								25			25		$239,204
33	Riverwood Way	Westwood Road	North End Culdesac	2	47.0	0.47	1993	NEW	DEV			**25**								25		25	25		$254,066
20	Gildersleeve Drive	SR 6	East End Dead End	1	43.8	0.66	2002	RESURF	SD			**25**								25			25		$263,191
143	Alpenrose Drive	SR 306	West End Culdesac	1	98.0	0.21	2013	NEW	DEV			**25**	25	25										$6,173	
63	Amberwood Drive	Kirtland-Chardon Road	North End Culdesac	2	61.3	0.94	1992	NEW	DEV	2021	CS	**25**	25		25									$97,029	
58	Angela Drive	SR 6	South End Culdesac	3	59.7	0.65	1997	NEW	DEV	2021	CS	**25**			25									$77,562	
107	Conley Road	SR 306	West End Dead End	1	75.3	0.08	2007	RESURF	SD			**25**	25											$576	
32	Crary Lane	SR 6	Far Bar Road	4	46.4	0.27	2002	RESURF	SD			**25**	25		25									$24,545	
96	Deerfield Drive	Eagle Road	North End Culdesac	2	71.9	0.11	2004	RESURF	SD	2020	CS	**25**	25											$1,510	
110	Dewey(Gem) Rd.	Sperry Road	Heath Road	4	76.2	0.30	1991	RESURF	CONTR	2020	CS	**25**	25											$2,713	
130	Eagle Creek Court	Foxwood Trail	West End Culdesac	1	85.8	0.29	2007	NEW	DEV			**25**	25	25										$7,683	
142	Eagle Road (West)	SR 306	Kirtland City Line	1	95.6	0.88	2017	RESURF	SD	2020	CS	**25**	25											$7,790	
30	Far Bar Road	Crary Lane	East End Culdesac	4	46.0	0.22	2002	RESURF	SD			**25**	25		25									$22,345	
72	Forest Edge	Booth Road	Amber Wood Drive	2	63.9	0.21	2007	RESURF	SD	2021	CS	**25**	25		25									$22,486	
109	Foxwood Trail	Eagle Road	South End Culdesac	1	75.8	0.18	2001	NEW	DEV			**25**	25											$2,130	
57	Glenstone Drive	Eagle Road	North End Culdesac	2	59.3	0.25	2001	RESURF	SD			**25**	25		25									$26,376	
77	Heath Road	SR 6	Kirtland City Line (South)	4	67.1	0.51	2005	RESURF	SD			**25**	25	25										$11,230	
134	Sperry Road (North)	Kirtland-Chardon Road	Euclid -Chardon Road	4	90.2	1.34	2015	RESURF	SD			**25**	25	25										$32,137	
67	Sperry Road (South)	Euclid -Chardon Road	South Kirtland City Line	4	62.5	0.61	2015	RESURF	SD			**25**	25	25										$14,952	
128	Tibbetts Road	SR 6	Kirtland City Line	3	84.7	1.00	2011	RESURF	SD	2021	CS	**25**	25	25										$21,848	
140	Woodcroft Court	Pinehurst Drive	South End Culdesac	1	93.7	0.14	2017	NEW	DEV	2020	CS	**25**	25											$2,953	
137	Wrenwood Drive	Eagle Road	North End Dead End	1	91.5	0.18	2017	RESURF	CONTR	2021	RECLAIMITE	**25**	25	25										$3,996	
					REHAB	3.73																				
					MAINT	8.37																				

Prepared by The C.W. Courtney Company
Run Date: 3/14/2022

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Construction Cost (Incl. 10% Contingency & Inflation): $400,332 $1,759,482

Overhead (10%) / Inspection (2%): $48,040 $211,138

The City of Kirtland

2022-2031 Street Plan

March 14, 2022

~5% inflation applied from 2021 dollars to 2022

Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation $11,443,500.00

2022 - 2029 Maintenance $3,464,533.00

EST. 2030-2031 $1,500,000.00

Total $16,408,033.00

$2,418,992

RANK (2018)	STREET NAME	FROM	TO	WARD	PCR	LENGTH (MILES)	LAST IMPROVED			LAST MAINTENANCE		PLANNED YEAR	RECOMMENDED ACTION / YEAR: MAINTENANCE: CRACK SEAL	REJUVENATOR / FOG SEAL	PARTIAL / FULL DEPTH REPAIR	DOUBLE CHIP SEAL & MASTIC	STRIPING	REHABILITATION: RECONSTRUCT	RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)	REPAIR, PRE-SEAL & OVERLAY	REPROFILE	DRAINAGE	$448,372 2026 MAINTENANCE	$1,970,620 2026 REHABILITATION
92	Fairidge Drive	Fairview Drive	East End Culdesac	1	71.0	0.11	2003	RESURF	SD			26								26				$64,300
122	Giuliano Drive	Anna Drive	West End Culdesac	3	79.6	0.07	2003	RESURF	DEV			26								26				$102,143
61	Anna Drive	SR 6	South End Culdesac	3	60.5	0.19	2003	NEW	DEV			26								26				$103,192
70	Ptarmigan Court	Pheasant Lane	West End Culdesac	2	63.3	0.19	2007	RESURF	SD			26								26			26	$121,095
74	Pheasant Lane	Partridge Trail	East End Culdesac	2	64.2	0.30	2007	RESURF	SD			26								26			26	$161,196
111	Partridge Trail	Eagle Road	Pheasant Lane	2	76.2	0.33	2007	RESURF	SD			26								26			26	$169,832
101	Christina Drive	Billings Road	South End Culdesac	4	73.8	0.37	1999	NEW	DEV			26								26			26	$196,836
115	Hobart Road	SR 6	Kirtland City Line (North)	1	77.7	1.19	2002	RESURF	SD			26									26	26		$652,373
146	Arborhurst Drive	Booth Road	East End Culdesac	2	100.0	0.16	2018	RESURF	SD	2021	RECLAIMITE	26	26	26										$4,524
12	Beechwood Drive	Crestwood Drive	Oakwood Drive	3	*90.0*	0.37	2021	REP/RESURF	CONTR			26	26	26										$6,817
11	Billings Road	SR 306	Sperry Road	4	*90.0*	2.04	2021	REC/RESURF	CONTR			26	26	26										$42,425
125	Eagle Road (East)	SR 306	Kirtland-Chardon Road	2	81.3	1.54	2016	RESURF	SD	2021	CS	26	26											$15,082
9	Emerald Glen Court	1260' East of SR 306	East End Culdesac	4	98.0	0.18	2020	RESURF	CONTR			26	26	26										$4,690
9	Emerald Glen Court	SR 306	East End Culdesac	4	37.4	0.44	1992	NEW	DEV			26	26	26										$12,569
112	Euclid-Chardon Road (East)	Sperry Road	Kirtland City Line (East)	4	76.5	0.96	2010	RESURF	ODOT	2021	CS	26	26											$11,403
108	Euclid-Chardon Road (Mid)	Chillicothe Road (aka SR306)	Sperry Road	4	75.7	1.88	2010	RESURF	ODOT	2021	CS	26	26											$21,199
103	Euclid-Chardon Road (West)	Kirtland City Line (West)	Chillicothe Road (aka SR306)	3	74.5	2.21	2010	RESURF	ODOT	2021	CS	26	26				26							$24,969
16	Fox Hill Drive	Kirtland-Chardon Road	North End Culdesac	2	*90.0*	0.24	2022	RESURF	SD			26	26	26										$6,641
71	Hidden Valley Drive	Tibbets Road	West End Culdesac	3	63.5	0.41	2008	RESURF	SD			26	26		26									$44,672
106	Kildeer Road	SR 6	North End Culdesac	3	75.2	0.18	2016	RESURF	CONTR			26	26		26									$19,338
133	Kirtland Lake Boulevard	Thwing Road	Woodlake Drive	4	88.9	0.06	2017	RESURF	SD	2021	CS	26	26											$895
94	Kirtland Road	SR 306	Kirtland City Line (West)	1	71.4	0.10	1990	RESURF	CONTR			26	26											$1,064
15	Locust Drive	SR 306	SR 306	4	*85.0*	0.79	2022	RESURF	SD			26	26	26										$13,756
46	Loreto Ridge Drive	Billings Road	South End Culdesac	4	*90.0*	0.37	2022	RESURF	CONTR			26	26	26										$10,922
52	Misty Hollow Lane	SR 6	North End Culdesac	3	57.8	0.30	1995	NEW	DEV			26	26											$3,632
7	Mitchell Mills Road	Sperry Road	Kirtland City Line (East)	2	*90.0*	0.17	2022	RESURF	CONTR			26	26	26										$3,459
120	Oakwood Drive	Beechwood Drive	Crestwood Drive	3	100.0	0.11	2021	REP/RESURF	CONTR			26	26	26										$2,226
97	Overlook Drive	Chillicothe Road	North End Dead End	1	71.9	0.10	2001	RESURF	SD			26	26	26										$2,078
141	Pinehurst Drive	SR 306	West End Culdesac	1	94.2	0.30	2017	RESURF	DEV	2020	CS	26	26	26										$11,337
10	Prelog Lane	Sperry Road	West End Culdesac	4	*90.0*	0.30	2022	RESURF	CONTR			26	26	26										$11,335
127	Quarry View Lane	Strumbly Glenn Lane	East End Culdesac	1	84.2	0.20	2006	NEW	DEV			26	26	26										$5,367
25	Shadowbrook Drive	Hobart Road	West End Culdesac	3	*90.0*	0.59	2022	RESURF	CONTR			26	26	26										$13,839
144	Singlefoot Trail	Booth Road	West End Culdesac	2	99.6	0.13	2018	NEW	DEV	2021	RECLAIMITE	26	26	26										$5,043
3	Springer Circle	Springer Drive	West End Culdesac	1	100.0	0.04	2021	REC/RESURF	CONTR			26	26	26										$2,203
1	Springer Drive	SR 306	South End Culdesac	1	100.0	0.40	2021	REC/RESURF	CONTR			26	26	26										$11,411
126	Strumbly Glen Lane	Orchard Drive	North End Culdesac	1	83.4	0.35	2006	NEW	DEV			26	26	26										$8,317
80	Wilbert Drive	Billings Road	South End Culdesac	4	67.5	0.39	2005	RESURF	SD			26	26		26									$36,225

REHAB 2.75

MAINT 15.29

Prepared by The C.W. Courtney Company

Run Date: 3/14/2022

G:\4_Streets & Sidewalks\Streets\2022-2031 Street Plan_2022-2032 Street Plan 2022-2032 V_3

Construction Cost (Incl. 10% Contingency & Inflation): $235,864 $2,187,460

Overhead (10%) / Inspection (2%): $28,304 $262,495

The City of Kirtland

2022-2031 Street Plan

March 14, 2022

~5% inflation applied from 2021 dollars to 2022

Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation $11,443,500.00

2022 - 2029 Maintenance $3,464,533.00

EST. 2030-2031 $1,500,000.00

Total $16,408,033.00

RANK (2018)	STREET NAME	FROM	TO	WARD	PCR	LENGTH (MILES)	LAST IMPROVED			LAST MAINTENANCE		PLANNED YEAR	RECOMMENDED ACTION / YEAR: MAINTENANCE: CRACK SEAL	REJUVENATOR / FOG SEAL	PARTIAL / FULL DEPTH REPAIR	DOUBLE CHIP SEAL & MASTIC	STRIPING	REHABILITATION: RECONSTRUCT	RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)	REPAIR, PRE-SEAL & OVERLAY	REPROFILE	DRAINAGE	$2,714,123 / $264,168 MAINTENANCE	$2,449,955 / 2027 REHABILITATION
84	Bluff Street	Maple Street	North End Dead End	1	68.9	0.08	2006	RESURF	SD			27								27				$28,506
60	Coudry Street	Joseph Street	Maple Street	1	59.9	0.14	2006	RESURF	SD			27								27				$55,384
105	Shetland Court	Rocking Horse Trail	East End Culdesac	4	75.1	0.09	1998	NEW	DEV			27								27				$65,692
59	Fairview Avenue	Elm Street	Coudry Drive	1	59.8	0.17	2006	RESURF	SD			27								27				$71,223
89	Walkers Lane	Rocking Horse Trail	East End Culdesac	4	70.0	0.20	1999	NEW	DEV			27								27				$116,274
73	Maple Street	SR 306	Elm Street	1	64.0	0.30	2006	RESURF	SD			27								27				$123,239
123	Robin Lane	White Oak Road	South End Culdesac	2	79.8	0.20	1995	NEW	DEV			27									27			$136,222
68	Eagles Nest Lane	White Oak Road	North End Culdesac	2	63.1	0.23	1995	NEW	DEV	2021	CS	27									27			$141,582
88	Woodhawk Lane	White oak Road	South End Culdesac	2	69.8	0.21	1995	NEW	DEV	2021	CS	27									27			$144,489
82	Joseph Street	SR 306	Metcalf Road	1	67.8	0.36	2006	RESURF	SD			27								27				$148,671
26	Elm Street	North End Dead End	South Dead End	1	44.9	0.39	2006	RESURF	SD			27								27				$156,663
118	Gaitside Trail	Walkers Lane	North End Culdesac	4	78.2	0.38	2003	NEW	DEV			27								27				$195,127
104	Rocking Horse Trail	SR 6	North End Culdesac	4	74.9	0.48	1998	NEW	DEV			27								27				$245,663
69	White Oak Road	Cradinal Drive	East End Culdesac	2	63.2	0.60	1993	NEW	DEV			27									27			$273,403
116	Bayshire Trail	SR 6	Walkers Lane	4	77.7	0.20	2000	NEW	DEV			27									27		$88,203	
12	Beechwood Drive	Parkwood Drive	Crestwood Drive	3	*90.0*	0.17	2023	RESURF	CONTR			27	27	27									$3,145	
66	Berkshire Hills Drive	Graylock Drive	Timbercreek Drive	3	*90.0*	0.32	2023	RESURF	SD			27	27	27									$6,705	
65	Blueberry Hill Drive	SR 6	South End Culdesac	3	*90.0*	0.40	2023	RESURF	CONTR			27	27	27									$11,560	
100	Briar Hill (1) Drive	SR 6	North End Culdesac	3	73.1	0.29	2005	RESURF	SD			27	27	27									$7,489	
85	Briar Hill (2) Court	Briar Hill Drive	E-W Middle Culdesac	3	68.9	0.27	2005	RESURF	SD			27	27	27									$6,159	
91	Briar Hill (3) Court	E-W Middle Culdesac	West End Dead Culdesac	3	71.0	0.10	2005	RESURF	SD			27	27	27									$2,238	
24	Crestwood Drive (North)	Beechwood Drive	275' S. of Oakwood Dr.	3	*90.0*	0.31	2023	RESURF	CONTR			27	27	27									$7,159	
43	Crestwood Drive (South)	275' S. of Oakwood Dr.	South End Culdesac	3	*90.0*	0.16	2023	RESURF	CONTR			27	27	27									$5,230	
39	Elmwood Drive	Crestwood Drive	Parkwood Drive	3	*90.0*	0.16	2023	RESURF	CONTR			27	27	27									$3,151	
18	Grandview Drive	SR 6	North End Culdesac	3	43.6	0.28	2023	RESURF	CONTR			27	27	27									$8,251	
13	Highland Court	Hillcrest Road	West End Dead End	4	*90.0*	0.13	2023	RESURF	CONTR			27	27	27									$2,881	
19	Hillcrest Road	Billings Road	North End Dead End	4	*90.0*	0.38	2023	RESURF	CONTR			27	27	27									$8,282	
42	Hillsover Drive	Berkshire Hills Drive	Longview Drive	3	*90.0*	0.17	2023	RESURF	CONTR			27	27	27									$3,933	
22	Longview Drive	Graylock Drive	North End Culdesac	3	*90.0*	0.26	2023	RESURF	CONTR			27	27	27									$5,297	
14	Markell Road	SR 306	Kirtland City Line (West)	1	*90.0*	0.25	2023	RESURF	CONTR			27	27	27									$4,989	
6	Monterey Avenue	SR 306	West End Culdesac	3	*90.0*	0.40	2023	RESURF	CONTR			27	27	27									$10,247	
45	Regency Woods Drive (South)	Kirtland-Chardon Road	Cardinal Drive	2	*90.0*	0.70	2023	RESURF	CONTR			27	27	27									$16,756	
17	Timbercreek Drive	Berkshire Hills Drive	North End Culdesac	3	*90.0*	0.16	2023	RESURF	CONTR			27	27	27									$3,425	

REHAB 3.83

MAINT 5.09

Prepared by The C.W. Courtney Company

Run Date: 3/14/2022

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Construction Cost (Incl. 10% Contingency & Inflation):	$338,527	$834,596
Overhead (10%) / Inspection (2%):	$40,623	$100,152

The City of Kirtland
2022-2031 Street Plan
March 14, 2022

~5% inflation applied from 2021 dollars to 2022
Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation	**$11,443,500.00**
2022 - 2029 Maintenance	**$3,464,533.00**
EST. 2030-2031	**$1,500,000.00**
Total	**$16,408,033.00**

																										$1,313,898	
														RECOMMENDED ACTION / YEAR												**$379,150**	**$934,748**
														MAINTENANCE					**REHABILITATION**							**2028**	
RANK (2018)	**STREET NAME**	**FROM**	**TO**	**WARD**	**PCR**	**LENGTH (MILES)**	**LAST IMPROVED**			**LAST MAINTENANCE**		**PLANNED YEAR**	**CRACK SEAL**	**REJUVENATOR / FOG SEAL**	**PARTIAL / FULL DEPTH REPAIR**	**DOUBLE CHIP SEAL & MASTIC**	**STRIPING**	**RECONSTRUCT**	**RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)**		**REPAIR, PRE-SEAL & OVERLAY**	**REPROFILE**	**DRAINAGE**	**MAINTENANCE**	**REHABILITATION**
5	Wisner Road (North)	Kirtland-Chardon Road	Kirtland City Line (East)	2	33.6	0.05	1996	RESURF	CONTR			**28**									28				$16,951
99	Thwing Road	SR 6	Kirtland City Line	4	72.4	0.09	2013	RESURF	CONTR			**28**								28					$42,527
62	Saxon Drive	Eisenhower Drive	Eisenhower Drive	1	60.8	0.25	2001	RESURF	SD			**28**								28					$107,459
93	Red Tail Lane	Cardinal Drive	North End Culdesac	2	71.1	0.13	1993	NEW	DEV	2021	CS	**28**								28			28		$128,337
114	Cardinal Drive	Regency Woods Drive	Kirtland City Line	2	76.6	0.47	1993	NEW	DEV	2021	CS	**28**									28				$204,758
86	Hemlock Ridge Drive	Regency Woods Drive	East End Culdesac	2	68.9	0.37	2007	RESURF	SD	2021	CS	**28**								28			28		$207,252
27	Alpine Drive	Eagle Road	Eagle Road	2	*90.0*	0.61	2024	RESURF	CONTR			**28**	28	28										$12,773	
37	Appaloosa Trail	Birdlehurst Trail	East End Culdesac	4	*90.0*	0.18	2024	RESURF	CONTR			**28**	28	28										$4,600	
54	Applewood Drive	Eagle Road	Alpine Drive	2	*90.0*	0.21	2024	RESURF	CONTR			**28**	28	28										$4,351	
2	Booth Road	Eagle Road East	Kirtland City Line	2	98.0	1.29	2019	RESURF	CONTR	2023	CS / RECL	**28**	28	28										$28,483	
8	Bridlehurst Trail	SR 306	East End Culdesac	4	*90.0*	0.81	2024	RESURF	CONTR			**28**	28	28										$20,659	
79	Charlesderry Road	Temple View Road	East End Dead End	1	90.0	0.20	2007	RESURF	SD	2021	DBL CHIP	**28**	28											$1,780	
119	Courtney Lane	Billings Road	North End Culdesac	4	78.8	0.23	2005	NEW	DEV			**28**	28	28										$5,701	
51	Eisenhower Drive	SR 306	West End Dead End	1	*90.0*	0.20	2001	RESURF	CONTR			**28**	28	28										$4,421	
21	Forestdale Road	North End Culdesac	South End Culdesac	2	*90.0*	0.53	2024	RESURF	CONTR			**28**	28	28										$10,470	
81	Glen Park Road	Temple View Road	East End Dead End	1	90.0	0.21	2007	RESURF	SD	2021	DBL CHIP	**28**	28											$1,833	
64	Kelsey Court	Worell Road	East End Culdesac	3	*90.0*	0.09	2024	RESURF	CONTR			**28**	28	28										$3,616	
138	Lake Brook Drive	Kirtland Lakes Boulevard	Woodlake Drive	4	92.1	0.53	2017	RESURF	SD			**28**	28											$5,721	
136	Martin Road	Booth Road	East End Dead End	2	91.5	0.55	2017	RESURF	SD			**28**	28											$4,376	
41	North Star Rd.	Charlesderry Road	North End Dead End	1	90.0	0.19	2007	RESURF	SD	2021	DBL CHIP	**28**	28											$1,694	
129	Orchard Dr.	Hobart Road	South End Culdesac	1	85.5	0.38	2006	NEW	DEV			**28**	28	28										$9,459	
23	Palomino Trail	Bridlehurst Trail	West End Culdesac	4	*90.0*	0.44	2024	RESURF	CONTR			**28**	28	28										$12,848	
50	Parkwood Drive	SR 306	Elmwood Drive	3	57.4	0.11	2024	RESURF	CONTR			**28**	28	28										$2,444	
87	Raccoon Hill Drive	Hobart Road	Loops Back Into Itself	3	69.5	0.93	2005	RESURF	SD			**28**	28		28									$91,311	
98	Shaw Avenue	Kirtland-Chardon Road	Thorne Avenue	2	*90.0*	0.08	2024	RESURF	CONTR			**28**	28	28										$2,078	
102	Stone Ridge Dr.	SR 6	North End Culdesac	3	74.2	0.31	2006	NEW	DEV			**28**	28	28										$7,310	
121	Sugarhouse Hill Court	Stone Ridge Drive	North End Culdesac	3	79.4	0.04	2006	NEW	DEV			**28**	28	28										$2,180	
124	Templeview Road	SR 306	Charlesderry Road	1	90.0	0.03	2007	RESURF	SD	2021	DBL CHIP	**28**	28											$362	
38	Thorne Avenue	North End Culdesac	South End Culdesac	2	51.4	0.14	2024	RESURF	CONTR			**28**	28	28										$2,956	
29	Westwood Road	Forestdale Drive	Riverwood Way	2	*90.0*	0.24	2024	RESURF	CONTR			**28**	28	28										$5,254	
4	Wisner Road	SR 6	Kirtland-Chardon Road	4	98.0	1.46	2021	REC/CHIP	CONTR			**28**	28											$12,885	
76	Woodhill Road	Kirtland-Chardon Road	Forestdale Drive	2	*90.0*	0.09	2024	RESURF	CONTR			**28**	28	28										$2,088	
135	Woodlake Drive	Kirtland Lakes Boulevard	West End Culdesac	4	90.3	0.59	2017	RESURF	SD			**28**	28											$6,942	
75	Woods Way Drive	Kirtland-Chardon Road	North End Culdesac	2	64.8	0.19	2024	RESURF	CONTR			**28**	28	28										$6,852	
139	Worrell Road	SR 6	Kirtland City Line (South)	3	93.2	1.08	2016	RESURF	SD			**28**	28											$11,441	
					REHAB	1.36																					
					MAINT	11.93																					

Prepared by The C.W. Courtney Company
Run Date: 3/14/2022

G:\4_Streets & Sidewalks\Streets\2022-2031 Street Plan_2022-2032 Street Plan
2022-2032 V_3

Construction Cost (Incl. 10% Contingency & Inflation):	$319,841	$299,421
Overhead (10%) / Inspection (2%):	$38,381	$35,931

The City of Kirtland
2022-2031 Street Plan
March 14, 2022

~5% inflation applied from 2021 dollars to 2022
Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation	**$11,443,500.00**
2022 - 2029 Maintenance	**$3,464,533.00**
EST. 2030-2031	**$1,500,000.00**
Total	**$16,408,033.00**

																									$693,574	
													RECOMMENDED ACTION / YEAR												**$358,222**	**$335,352**
													MAINTENANCE					**REHABILITATION**							**2029**	
RANK (2018)	**STREET NAME**	**FROM**	**TO**	**WARD**	**PCR**	**LENGTH (MILES)**	**LAST IMPROVED**			**LAST MAINTENANCE**		**PLANNED YEAR**	**CRACK SEAL**	**REJUVENATOR / FOG SEAL**	**PARTIAL / FULL DEPTH REPAIR**	**DOUBLE CHIP SEAL & MASTIC**	**STRIPING**	**RECONSTRUCT**	**RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)**		**REPAIR, PRE-SEAL & OVERLAY**	**REPROFILE**	**DRAINAGE**	**MAINTENANCE**	**REHABILITATION**
78	Alexander Drive	SR 306	Florence Road	1	67.2	0.07	1992	RESURF	CONTR			**29**								29					$38,393
30	Far Bar Road	Crary Lane	East End Culdesac	4	46.0	0.22	2002	RESURF	SD			**29**								29					$91,495
132	Barristers court	SR 306	West End Culdesac	1	86.7	0.21	2002	NEW	DEV			**29**								29					$117,568
143	Alpenrose Drive	SR 306	West End Culdesac	1	98.0	0.21	2013	NEW	DEV			**29**	29	29										$6,173	
63	Amberwood Drive	Kirtland-Chardon Road	North End Culdesac	2	61.3	0.94	1992	NEW	DEV	2021	CS	**29**	29											$8,726	
58	Angela Drive	SR 6	South End Culdesac	3	59.7	0.65	1997	NEW	DEV	2021	CS	**29**	29											$7,664	
117	Ascot Place	Rocking Horse Trail	West End Culdesac	4	*90.0*	0.10	2025	RESURF	CONTR			**29**	29	29										$4,041	
90	Chapin Falls Lane	Hobart Road	West End Culdesac	3	*90.0*	0.09	1998	RESURF	CONTR			**29**	29	29										$3,275	
107	Conley Road	SR 306	West End Dead End	1	75.3	0.08	2007	RESURF	SD			**29**	29											$576	
32	Crary Lane	SR 6	Far Bar Road	4	46.4	0.27	2002	RESURF	SD			**29**	29		29									$24,545	
96	Deerfield Drive	Eagle Road	North End Culdesac	2	71.9	0.11	2004	RESURF	SD	2025	CS	**29**	29											$1,510	
110	Dewey(Gem) Rd.	Sperry Road	Heath Road	4	76.2	0.30	1991	RESURF	CONTR	2025	CS	**29**	29											$2,713	
130	Eagle Creek Court	Foxwood Trail	West End Culdesac	1	85.8	0.29	2007	NEW	DEV			**29**	29	29										$7,683	
35	Florence Road	Alexander Road	North End Dead End	1	*90.0*	0.10	2025	RESURF	CONTR			**29**	29	29										$1,417	
109	Foxwood Trail	Eagle Road	South End Culdesac	1	75.8	0.18	2001	NEW	DEV			**29**	29											$2,130	
83	Gildersleeve Circle	Gildersleeve Drive	West End Culdesac	1	*90.0*	0.05	2025	RESURF	CONTR			**29**	29	29										$1,335	
20	Gildersleeve Drive	SR 6	East End Dead End	1	*90.0*	0.66	2002	RESURF	CONTR			**29**	29	29										$13,030	
57	Glenstone Drive	Eagle Road	North End Culdesac	2	59.3	0.25	2001	RESURF	SD			**29**	29		29									$26,376	
77	Heath Road	SR 6	Kirtland City Line (South)	4	67.1	0.51	2005	RESURF	SD			**29**	29	29										$11,230	
47	Hickory Hill Court	SR 6	South End Culdesac	3	*90.0*	0.12	2025	RESURF	CONTR			**29**	29	29										$3,162	
40	Kimberly Drive	Gildersleeve Drive	Gildersleeve drive	1	52.4	0.30	2002	RESURF	SD			**29**	29	29										$5,653	
34	Ledgewood Drive	Rockwood Drive	West End Culdesac	3	*90.0*	0.29	2025	RESURF	CONTR			**29**	29	29										$7,676	
44	Quail Circle (East)	Circle	East End Culdesac	2	*90.0*	0.25	2025	RESURF	CONTR			**29**	29	29										$6,469	
95	Quail Circle (West)	Partridge Trail	Circle	2	*90.0*	0.34	2025	RESURF	CONTR			**29**	29	29										$9,046	
28	Regency Woods Drive (North)	Cardinal Drive	Riverwood Way / Westwood	2	*90.0*	0.50	2025	RESURF	CONTR			**29**	29	29										$12,144	
33	Riverwood Way	Westwood Road	North End Culdesac	2	*90.0*	0.47	2025	RESURF	CONTR			**29**	29	29										$13,086	
31	Rockwood Drive	SR 6	South End Culdesac	3	*90.0*	0.38	2025	RESURF	CONTR			**29**	29	29										$11,066	
134	Sperry Road (North)	Kirtland-Chardon Road	Euclid -Chardon Road	4	80.0	1.34	2015	RESURF	SD	2025	CS / RECL	**29**	29	29										$32,137	
67	Sperry Road (South)	Euclid -Chardon Road	South Kirtland City Line	4	62.5	0.61	2015	RESURF	SD			**29**	29	29										$14,952	
128	Tibbetts Road	SR 6	Kirtland City Line	3	84.7	1.00	2011	RESURF	SD	2021	CS	**29**	29	29										$21,848	
53	Valleyview Oval	Quail Circle	Quail Circle	2	*90.0*	0.06	2025	RESURF	CONTR			**29**	29	29										$1,717	
140	Woodcroft Court	Pinehurst Drive	South End Culdesac	1	93.7	0.14	2017	NEW	DEV	2020	CS	**29**	29											$2,953	
					REHAB	0.50																				
					MAINT	10.61																				

Prepared by The C.W. Courtney Company
Run Date: 3/14/2022

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2022-2032 V_3

Construction Cost (Incl. 10% Contingency & Inflation): $581,299

Overhead (10%) / Inspection (2%): $69,756

The City of Kirtland

2022-2031 Street Plan

March 14, 2022

~5% inflation applied from 2021 dollars to 2022

Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation	**$11,443,500.00**
2022 - 2029 Maintenance	**$3,464,533.00**
EST. 2030-2031	**$1,500,000.00**
Total	**$16,408,033.00**

$651,055

RECOMMENDED ACTION / YEAR **$651,055**

														MAINTENANCE					REHABILITATION						2030
RANK (2018)	**STREET NAME**	**FROM**	**TO**	**WARD**	**PCR**	**LENGTH (MILES)**	**LAST IMPROVED**			**LAST MAINTENANCE**		**PLANNED YEAR**	**CRACK SEAL**	**REJUVENATOR / FOG SEAL**	**PARTIAL / FULL DEPTH REPAIR**	**DOUBLE CHIP SEAL & MASTIC**	**STRIPING**	**RECONSTRUCT**	**RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)**	**REPAIR, PRE-SEAL & OVERLAY**	**REPROFILE**	**DRAINAGE**	**MAINTENANCE**
61	Anna Drive	SR 6	South End Culdesac	3	*90.0*	0.19	2026	RESURF	CONTR			**30**	30	30									$2,077
146	Arborhurst Drive	Booth Road	East End Culdesac	2	100.0	0.16	2018	RESURF	SD	2021	RECLAIMITE	**30**	30	30									$4,524
11	Billings Road	SR 306	Sperry Road	4	*90.0*	2.04	2021	REC/RESURF	CONTR	26	CS / RECL	**30**	30	30									$42,425
125	Eagle Road (East)	SR 306	Kirtland-Chardon Road	2	81.3	1.54	2016	RESURF	SD	2026	CS	**30**	30										$15,082
142	Eagle Road (West)	SR 306	Kirtland City Line	1	95.6	0.88	2017	RESURF	SD	2025	CS	**30**	30										$7,790
9	Emerald Glen Court	SR 306	East End Culdesac	4	37.4	0.44	1992	NEW	DEV			**30**	30	30									$12,569
112	Euclid-Chardon Road (East)	Sperry Road	Kirtland City Line (East)	4	76.5	0.96	2010	RESURF	ODOT	2021	CS	**30**	30										$11,403
108	Euclid-Chardon Road (Mid)	Chillicothe Road (aka SR306)	Sperry Road	4	75.7	1.88	2010	RESURF	ODOT	2021	CS	**30**	30										$21,199
103	Euclid-Chardon Road (West)	Kirtland City Line (West)	Chillicothe Road (aka SR306)	3	74.5	2.21	2010	RESURF	ODOT	2021	CS	**30**	30										$24,969
92	Fairidge Drive	Fairview Drive	East End Culdesac	1	71.0	0.11	2003	RESURF	SD			**30**	30	30									$3,538
72	Forest Edge	Booth Road	Amber Wood Drive	2	63.9	0.21	2007	RESURF	SD	2021	CS	**30**	30		30								$22,486
16	Fox Hill Drive	Kirtland-Chardon Road	North End Culdesac	2	*90.0*	0.24	2022	RESURF	SD			**30**	30	30									$6,641
122	Giuliano Drive	Anna Drive	West End Culdesac	3	79.6	0.07	2003	RESURF	DEV			**30**	30	30									$5,226
71	Hidden Valley Drive	Tibbets Road	West End Culdesac	3	63.5	0.41	2008	RESURF	SD			**30**	30		30								$44,672
115	Hobart Road	SR 6	Kirtland City Line (North)	1	77.7	1.19	2002	RESURF	SD			**30**	30	30									$25,933
133	Kirtland Lake Boulevard	Thwing Road	Woodlake Drive	4	88.9	0.06	2017	RESURF	SD	2026	CS	**30**	30										$2,208
94	Kirtland Road	SR 306	Kirtland City Line (West)	1	71.4	0.10	1990	RESURF	CONTR			**30**	30										$1,064
15	Locust Drive	SR 306	SR 306	4	*85.0*	0.79	2022	RESURF	SD			**30**	30	30									$13,756
46	Loreto Ridge Drive	Billings Road	South End Culdesac	4	*90.0*	0.37	2022	RESURF	CONTR			**30**	30	30									$10,922
52	Misty Hollow Lane	SR 6	North End Culdesac	3	57.8	0.30	1995	NEW	DEV			**30**	30		30								$40,391
7	Mitchell Mills Road	Sperry Road	Kirtland City Line (East)	2	*90.0*	0.17	2022	RESURF	CONTR			**30**	30	30									$3,459
120	Oakwood Drive	Beechwood Drive	Crestwood Drive	3	100.0	0.11	2021	REP/RESURF	CONTR			**30**	30	30									$2,226
97	Overlook Drive	Chillicothe Road	North End Dead End	1	71.9	0.10	2001	RESURF	SD			**30**	30	30									$2,078
111	Partridge Trail	Eagle Road	Pheasant Lane	2	76.2	0.33	2007	RESURF	SD			**30**	30	30									$8,714
74	Pheasant Lane	Partridge Trail	East End Culdesac	2	64.2	0.30	2007	RESURF	SD			**30**	30	30									$8,307
141	Pinehurst Drive	SR 306	West End Culdesac	1	94.2	0.30	2017	RESURF	DEV			**30**	30	30									$11,337
10	Prelog Lane	Sperry Road	West End Culdesac	4	*90.0*	0.30	2022	RESURF	CONTR			**30**	30	30									$11,335
70	Ptarmigan Court	Pheasant Lane	West End Culdesac	2	63.3	0.19	2007	RESURF	SD			**30**	30	30									$6,347
127	Quarry View Lane	Strumbly Glenn Lane	East End Culdesac	1	84.2	0.20	2006	NEW	DEV			**30**	30	30									$5,367
36	Russellhurst Drive	SR 306	West End Culdesac	1	49.2	0.45	2003	RESURF	SD			**30**	30		30								$46,675
25	Shadowbrook Drive	Hobart Road	West End Culdesac	3	*90.0*	0.59	2022	RESURF	CONTR			**30**	30	30									$13,839
144	Singlefoot Trail	Booth Road	West End Culdesac	2	99.6	0.13	2018	NEW	DEV	2021	RECLAIMITE	**30**	30	30									$5,043
3	Springer Circle	Springer Drive	West End Culdesac	1	100.0	0.04	2021	REC/RESURF	CONTR			**30**	30	30									$2,203
1	Springer Drive	SR 306	South End Culdesac	1	100.0	0.40	2021	REC/RESURF	CONTR			**30**	30	30									$11,411
126	Strumbly Glen Lane	Orchard Drive	North End Culdesac	1	83.4	0.35	2006	NEW	DEV			**30**	30	30									$8,317
80	Wilbert Drive	Billings Road	South End Culdesac	4	67.5	0.39	2005	RESURF	SD			**30**	30										$3,258
					MAINT	18.48																			

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Run Date: 3/14/2022

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2022-2032 V_3

Construction Cost (Incl. 10% Contingency & Inflation): $300,967

Overhead (10%) / Inspection (2%): $36,116

The City of Kirtland

2022-2031 Street Plan

March 14, 2022

~5% inflation applied from 2021 dollars to 2022

Total dollars for 2023-2028 are inflated at ~ 3% per year

PROGRAMMED TOTALS WITH OVERHEAD

2022 - 2029 Rehabilitation	**$11,443,500.00**
2022 - 2029 Maintenance	**$3,464,533.00**
EST. 2030-2031	**$1,500,000.00**
Total	**$16,408,033.00**

$337,083

RECOMMENDED ACTION / YEAR **$337,083**

RANK (2018)	STREET NAME	FROM	TO	WARD	PCR	LENGTH (MILES)	LAST IMPROVED			LAST MAINTENANCE		PLANNED YEAR	MAINTENANCE: CRACK SEAL	MAINTENANCE: REJUVENATOR / FOG SEAL	MAINTENANCE: PARTIAL / FULL DEPTH REPAIR	MAINTENANCE: DOUBLE CHIP SEAL & MASTIC	MAINTENANCE: STRIPING	REHABILITATION: RECONSTRUCT	REHABILITATION: RECYCLE & RESURFACE (W/REPAIR & PROF. MILL/FILL (W/ REPAIR, PRE-SEAL, BERMS)	REHABILITATION: REPAIR, PRE-SEAL & OVERLAY	REHABILITATION: REPROFILE	REHABILITATION: DRAINAGE	2031 MAINTENANCE
116	Bayshire Trail	SR 6	Walkers Lane	4	77.7	0.20	2000	NEW	DEV			31	31	31									$4,799
65	Blueberry Hill Drive	SR 6	South End Culdesac	3	*90.0*	0.40	2023	RESURF	CONTR	27	CS / RECL	31	31	31									$11,560
84	Bluff Street	Maple Street	North End Dead End	1	68.9	0.08	2006	RESURF	SD			31	31	31									$1,534
100	Briar Hill (1) Drive	SR 6	North End Culdesac	3	73.1	0.29	2005	RESURF	SD			31	31	31									$7,489
85	Briar Hill (2) Court	Briar Hill Drive	E-W Middle Culdesac	3	68.9	0.27	2005	RESURF	SD			31	31	31									$6,159
91	Briar Hill (3) Court	E-W Middle Culdesac	West End Dead Culdesac	3	71.0	0.10	2005	RESURF	SD			31	31	31									$2,238
101	Christina Drive	Billings Road	South End Culdesac	4	73.8	0.37	1999	NEW	DEV			31	31	31									$10,604
60	Coudry Street	Joseph Street	Maple Street	1	59.9	0.14	2006	RESURF	SD			31											$2,997
68	Eagles Nest Lane	White Oak Road	North End Culdesac	2	63.1	0.23	2027	RESURF	CONTR			31	31	31									$8,891
26	Elm Street	North End Dead End	South Dead End	1	44.9	0.39	2027	RESURF	CONTR			31	31	31									$8,469
39	Elmwood Drive	Crestwood Drive	Parkwood Drive	3	*90.0*	0.16	2023	RESURF	CONTR	2027	CS / RECL	31	31	31									$3,151
59	Fairview Avenue	Elm Street	Coudry Drive	1	59.8	0.17	2006	RESURF	SD			31	31	31									$3,859
118	Gaitside Trail	Walkers Lane	North End Culdesac	4	78.2	0.38	2003	NEW	DEV			31	31	31									$10,206
18	Grandview Drive	SR 6	North End Culdesac	3	43.6	0.28	2023	RESURF	CONTR			31	31	31									$8,251
13	Highland Court	Hillcrest Road	West End Dead End	4	*90.0*	0.13	2023	RESURF	CONTR			31	31	31									$2,881
19	Hillcrest Road	Billings Road	North End Dead End	4	*90.0*	0.38	2023	RESURF	CONTR			31	31	31									$8,282
42	Hillsover Drive	Berkshire Hills Drive	Longview Drive	3	*90.0*	0.17	2023	RESURF	CONTR			31	31	31									$3,933
82	Joseph Street	SR 306	Metcalf Road	1	67.8	0.36	2006	RESURF	SD			31	31	31									$8,053
106	Kildeer Road	SR 6	North End Culdesac	3	75.2	0.18	2016	RESURF	CONTR			31	31		31								$19,338
22	Longview Drive	Graylock Drive	North End Culdesac	3	*90.0*	0.26	2023	RESURF	CONTR			31	31	31									$5,297
73	Maple Street	SR 306	Elm Street	1	64.0	0.30	2006	RESURF	SD			31	31	31									$6,671
14	Markell Road	SR 306	Kirtland City Line (West)	1	*90.0*	0.25	2023	RESURF	CONTR			31	31	31									$4,989
6	Monterey Avenue	SR 306	West End Culdesac	3	*90.0*	0.40	2023	RESURF	CONTR			31	31	31									$10,247
45	Regency Woods Drive (South)	Kirtland-Chardon Road	Cardinal Drive	2	*90.0*	0.70	2023	RESURF	CONTR			31	31	31									$16,756
123	Robin Lane	White Oak Road	South End Culdesac	2	79.8	0.20	1995	NEW	DEV			31	31	31									$8,614
104	Rocking Horse Trail	SR 6	North End Culdesac	4	74.9	0.48	1998	NEW	DEV			31	31	31									$12,829
105	Shetland Court	Rocking Horse Trail	East End Culdesac	4	75.1	0.09	1998	NEW	DEV			31	31	31									$3,519
17	Timbercreek Drive	Berkshire Hills Drive	North End Culdesac	3	*90.0*	0.16	2023	RESURF	CONTR			31	31	31									$3,425
89	Walkers Lane	Rocking Horse Trail	East End Culdesac	4	70.0	0.20	1999	NEW	DEV			31	31	31									$6,137
69	White Oak Road	Cradinal Drive	East End Culdesac	2	63.2	0.60	1993	NEW	DEV			31	31	31									$16,673
88	Woodhawk Lane	White oak Road	South End Culdesac	2	69.8	0.21	1995	NEW	DEV	2021	CS	31	31	31									$9,131
					MAINT	8.50																	

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Run Date: 3/14/2022

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