



Road Paving Workshop

Joint Board of Selectmen and Board of Finance

Presented: March 11, 2024 at Joint Meeting of the BOS and BOF

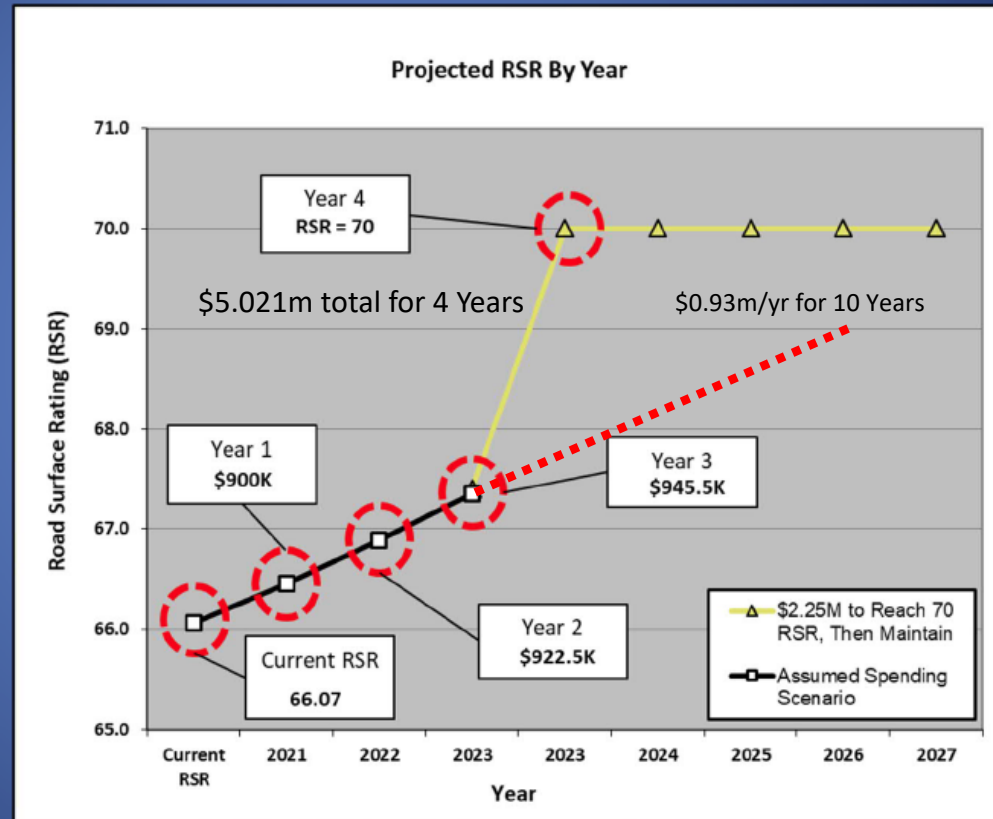
Data Analysis & Planning

Forecast Scenario B

Scenario B

- Year 1 - \$900k
- Year 2 - \$922.5k
- Year 3 - \$945.5k

- \$2.25 Million to Reach 70 RSR in Year 4
- \$650k to Maintain thereafter

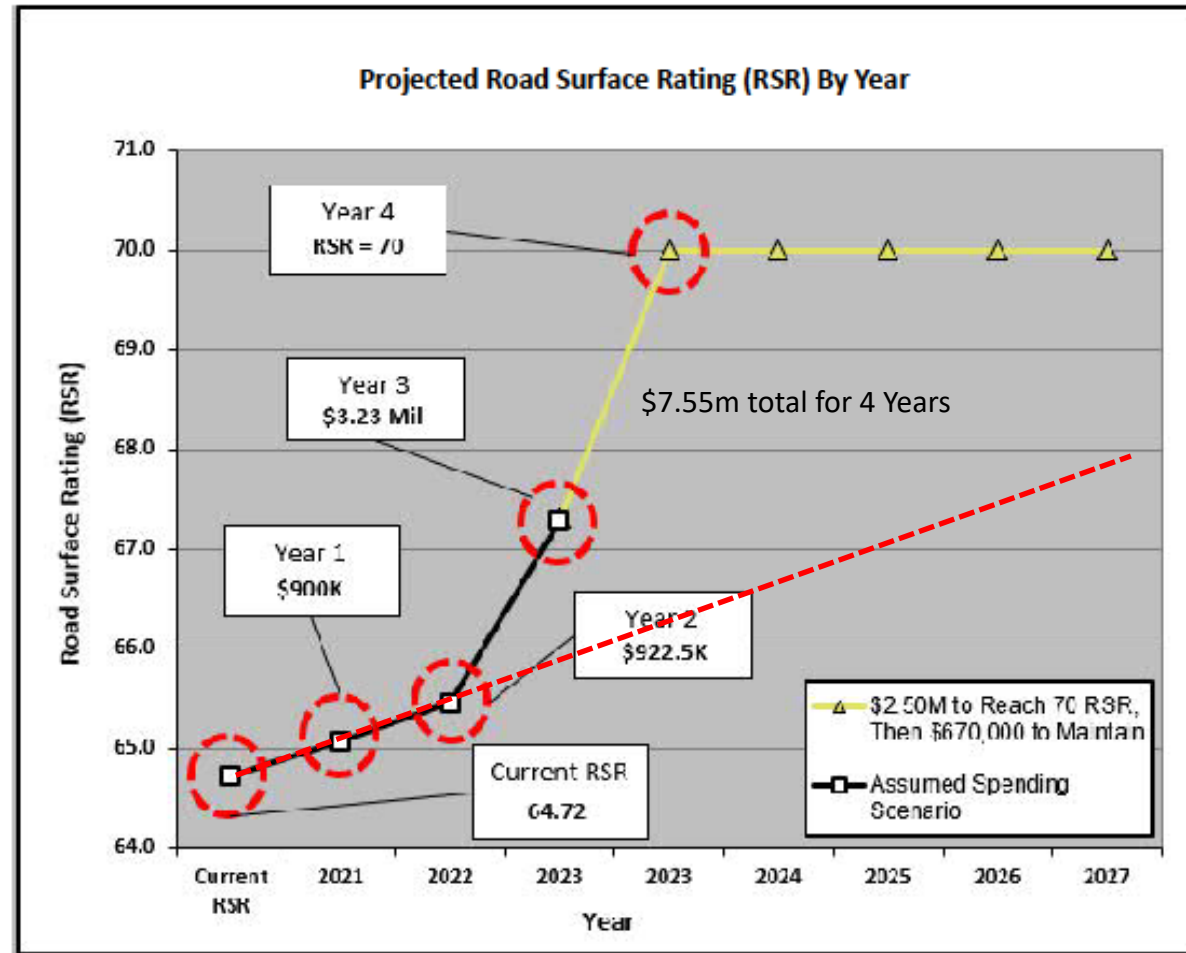


Weston Road Improvement Plan

From 2022 Budget Book

Funding

- FY 21-22** - \$900k
- FY 22-23** - \$922.5k
- FY 23-24** - \$3.23Mil
- FY 24-25** - \$2.50Mil
to Reach 70 RSR
- FY 25-26** - \$670k
Plus Inflation Each
Fiscal Year to
Maintain 70+ RSR
Thereafter



*Please Note: FY 23-24 RSR reflects LOTCIP Grant funding of \$2,697,600 plus additional Town funding of \$540k combined.

From 2023 Budget Book

Funding

FY 22-23
\$360K capital
+\$562.5K BOS

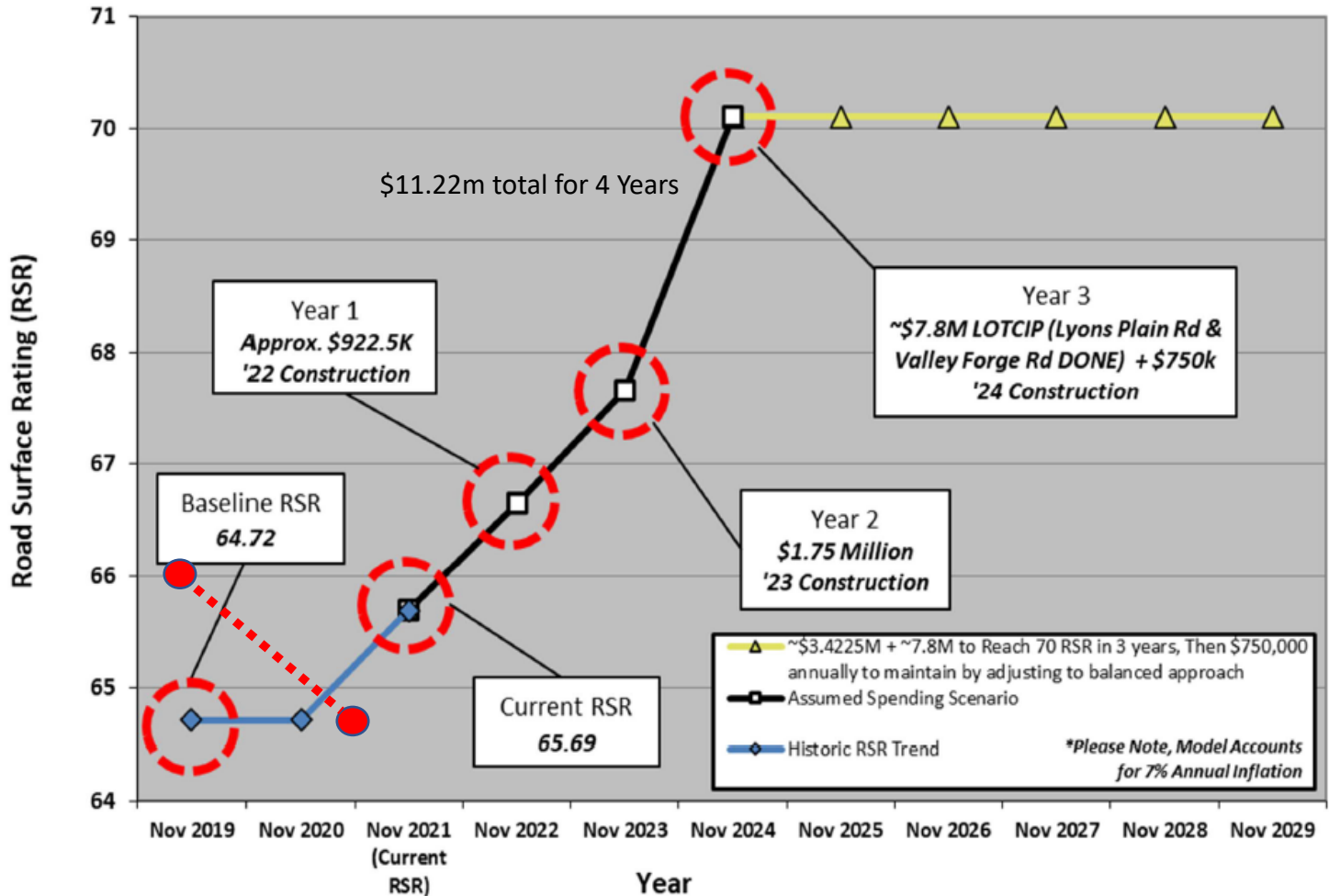
FY 23-24
\$1M Capital +
\$750K BOS

FY 24-25
\$7.8M LOTCIP
+ \$750K BOS

FY 25-26
\$750K BOS

Note: LOTCIP is a competitive grant and only certain roads are eligible

Multi-year Road Improvement Plan



Paving Work Completed 2019-2023

Road	Road Type	RSR (March 2021)	RSR (Summer 2019)	Repair Classification	Miles	Cost	Comments
School Road	CO	51.7	54.7	Minor Rehabilitation	0.13	\$ 55,000	Partial (600 ft)
Old Mill Road	LO	50.7	53.2	Minor Rehabilitation	0.67	\$ 59,471	
Codfish Lane	LO	97.4	99.9		0.53	\$ 81,143	
Cannondale Road	LO	97.4	99.9		0.46	\$ 53,847	
Total 2019					1.79	\$ 249,461	
Little Fox Lane	LO	99.4	50.3	Minor Rehabilitation	0.50	\$ 257,415	
Norfield Road	CO	99.4	67.4	Preventative Maintenance	0.67	\$ 56,380	
North Avenue	LO	99.4	26.6		0.23	\$ 98,405	
Steep Hill Road	CO	75.9	78.4	Preventative Maintenance	1.00	\$ 224,304	
Total 2020					2.40	\$ 636,504	
Farrell Road	LO	52.5	55.0	Minor Rehabilitation	0.36	\$ 127,100	Partial
Godfrey Road West	LO	51.5	54.0	Minor Rehabilitation	1.13	\$ 187,200	
Goodhill Road Extension	LO	60.8	63.3	Minor Rehabilitation	0.5	\$ 165,100	
Lagner Lane	LO	40.3	42.8	Major Rehabilitation	0.46	\$ 112,840	
Lords Highway East	LO	67.6	70.1	Preventative Maintenance	0.92	\$ 63,900	
Marshall Lane	LO/CS/DE	35.7	38.2	Major Rehabilitation	0.13	\$ 43,875	
Steep Hill Road	LO	75.9	78.4	Preventative Maintenance	2.01	\$ 236,925	Partial
Tobacco Road	LO/CS?DE	42.2	44.7	Major Rehabilitation	0.38	\$ 105,300	
Total 2021					5.89	\$ 1,042,240	
Davis Hill Road	CO	66.2	68.8	Preventative Maintenance	1.55	\$ 299,500	Partial
Farrell Road	LO	52.5	55.0	Minor Rehabilitation	0.48	\$ 89,500	Partial
Lords Highway	LO	42.9	45.4	Major Rehabilitation	1.3	\$ 145,000	Partial
Merry Lane	LO	28.3	30.8	Major Rehabilitation	0.73	\$ 275,500	
Tannery Lane South	LO	34.5	37.0	Major Rehabilitation	0.53	\$ 105,650	
Trails End Road	LO	22.2	27.7	Major Rehabilitation	0.76	\$ 232,600	
Total 2022					5.35	\$ 1,147,750	
Briar Oak Drive	LO	34.5	37.0	Major Rehabilitation	0.51	\$ 129,900	
Broad Street	LO	59.6	62.1	Minor Rehabilitation	0.48	\$ 189,000	
Covenant Lane	LO	54.3	56.8	Minor Rehabilitation	0.26	\$ 67,900	
Fall Ridge Road	LO	33.6	36.1	Major Rehabilitation	0.11	\$ 59,000	
Graylock Road	LO/CS/DE	15.5	18.0	Major Rehabilitation	0.09	\$ 26,250	
Greenfield Drive	LO	53.8	56.4	Minor Rehabilitation	0.70	\$ 83,900	
Heritage Lane	LO/CS/DE	56.2	58.7	Minor Rehabilitation	0.35	\$ 187,500	
High Noon Road	LO	37.0	39.5	Major Rehabilitation	0.63	\$ 99,000	
Hillside Road North	LO	54.0	56.5	Minor Rehabilitation	0.12	\$ 32,500	
Joanne Lane	LO	35.3	37.9	Major Rehabilitation	0.46	\$ 137,500	
Kettle Creek Road	LO	52.9	55.4	Minor Rehabilitation	1.21	\$ 349,000	
Laurel Lake West	LO	54.0	44.4	Minor Rehabilitation	0.22	\$ 59,000	
Stonehenge Road	LO	57.4	59.9	Minor Rehabilitation	0.47	\$ 92,900	
Thorp Drive	LO	55.1	57.7	Minor Rehabilitation	0.31	\$ 67,900	
Tubbs Spring Court	LO/CS/DE	5.5	8.0	Major Rehabilitation	0.13	\$ 27,900	
White Oak Lane	LO	27.8	30.3	Major Rehabilitation	0.23	\$ 93,900	
Total 2023					6.28	\$ 1,703,050	

Summary Road Condition Snapshots

Road Conditions October 2023 (Estimate)

Road Conditions	Low RSR Band	High RSR Band	Length (Miles)	%	Cost (\$m)	Cost/mile (\$,000)
Major Rehabilitation	0	50	20.8	25%	8.06	387.5
Minor Rehabilitation	50	65	14.2	17%	2.21	156.2
Preventative Maintenance	65	80	18.6	23%	2.09	112.4
Routine Maintenance	80	94	12.9	16%	0.09	6.7
No Maintenance Required	94	100	15.8	19%	0.00	0.0
Accepted Asphalt Roads			82.2	Total	12.45	
Private Roads			19.7			
State Roads			11.4			
Gravel Roads			1.5			
Total Roads			114.8			

Road Conditions July 2020 (Camera Study)

	Low RSR Band	High RSR Band	Length (Miles)	%	Cost (\$m)	Cost/mile (\$,000)
Major Rehabilitation	0	50	15.3	19%	7.97	522.2
Minor Rehabilitation	50	65	22.7	28%	4.16	183.1
Preventative Maintenance	65	80	26.6	33%	2.17	81.5
Routine Maintenance	80	94	7.2	9%	0.05	6.6
No Maintenance Required	94	100	9.2	11%	0.00	0.0
Accepted Asphalt Roads			81.0	Total	14.35	
Private Roads			19.7			
State Roads			11.4			
Gravel Roads			1.5			
Total Roads			113.6			

Road Conditions March 2021 (Estimate)

	Low RSR Band	High RSR Band	Length (Miles)	%	Cost (\$m)	Cost/mile (\$,000)
Major Rehabilitation	0	50	18.7	23%	9.74	521.8
Minor Rehabilitation	50	65	21.0	26%	3.83	182.4
Preventative Maintenance	65	80	24.6	30%	2.02	82.2
Routine Maintenance	80	94	7.6	9%	0.05	6.7
No Maintenance Required	94	100	9.2	11%	0.00	0.0
Accepted Asphalt Roads			81.1	Total	15.64	
Private Roads			19.7			
State Roads			11.4			
Gravel Roads			1.5			
Total Roads			113.7			

Draft Prioritization of Future Work

Name	Priority Year	Length (Miles)	Avg. Width	Square Yards	Year Paved Last	RSR	Overall Repair	Estimated Cost	Functional Class	# Basins	Notes
BIRCH HILL ROAD (Extension)	2024/25	0.25	24	5,000	2005	15.0	Major Rehabilitation	\$160,000	LO	6	
FANTON HILL ROAD (North)	2024/25	0.32	22	4,312		19.0	Major Rehabilitation	\$172,480	LO	12	
GOOD HILL ROAD	2024/25	2.4	25	45,388	2008	45.4	Major Rehabilitation	\$1,418,000	LO	23	Weston Road To Steep Hill
KRAMER LANE	2024/25	0.39	16	3,688	2003	33.8	Major Rehabilitation	\$147,516	LO/CS/DE	2	
OLD FARM ROAD	2024/25	1.13	25	16,585	2001	24.5	Major Rehabilitation	\$663,419	LO	20	
OLD HYDE ROAD (Extension)	2024/25	0.27	20	2,645	2011	15.0	Major Rehabilitation	\$124,444	CO	3	
OSBORN FARM ROAD	2024/25	0.44	23	5,944		11.7	Major Rehabilitation	\$237,761	LO	7	
RIVER ROAD (One Way)	2024/25	0.94	20	5,272		15.0	Major Rehabilitation	\$210,890	LO	1	
VALLEY FORGE ROAD	2024/25	2.5	22	49,006	1995	46.0	Major Rehabilitation	\$1,289,638	CO	46	Bradley Road To Newtown Tumpike
SAMUELSON ROAD	2024/25	0.26	16	2,408	1993	38.9	Major Rehabilitation	\$96,311	LO/CS/DE	0	
SPRUCE HILL ROAD	2024/25	0.24	20	2,839	2004	40.0	Preventative Maintenance	\$17,034	LO/CS/DE	8	
PENT ROAD	2024/25	0.28	16	2,583	1992	25.0	Preventative Maintenance	\$15,498	LO	2	
WHIPPOORWILL LANE	2024/25	0.11	18	1,159	1993	47.0	Major Rehabilitation	\$46,370	LO/CS/DE	2	
ELEVEN O'CLOCK ROAD	2024/25	1.08	22	13,981	1981	50.0	Minor Rehabilitation	\$195,727	LO	13	
Total 2024/25		10.61				36.2		\$4,795,088			
ASPETUCK GLEN	2025/26	0.17	22	2,215		16.99	Major Rehabilitation	\$88,610	LO/CS/DE	10	
AUTUMN RIDGE ROAD	2025/26	0.1	25	1,459	1997	25.31	Major Rehabilitation	\$58,343	LO/CS/DE	3	
BRADLEY ROAD	2025/26	0.28	22	3,646	2000	47.44	Major Rehabilitation	\$145,832	LO	0	
CINDY LANE	2025/26	0.24	24	3,443	1999	29.2	Major Rehabilitation	\$137,731	LO/CS/DE	14	
GREENLEA LANE	2025/26	0.5	26	7,581	1993	43.2	Major Rehabilitation	\$303,250	LO	15	
GREY FOX LANE	2025/26	0.3	24	4,168	2005	51.8	Minor Rehabilitation	\$58,347	LO/CS/DE	1	
HIGH MEADOW ROAD	2025/26	0.29	18	3,096	2006	48.5	Major Rehabilitation	\$123,859	LO/CS/DE	1	
HYDE RIDGE ROAD	2025/26	0.12	18	1,247	1991	25.4	Major Rehabilitation	\$49,889	LO/CS/DE	2	
LADDER HILL ROAD SOUTH	2025/26	0.35	22	4,468	2005	47.3	Major Rehabilitation	\$178,718	LO	7	
LAUREL LAKE EAST	2025/26	0.34	22	4,328	2000	36.7	Major Rehabilitation	\$173,120	LO/CS/DE	7	
LILAC LANE	2025/26	0.14	22	1,834	1997	32.0	Major Rehabilitation	\$73,372	LO/CS/DE	11	
MARTIN ROAD	2025/26	0.25	12	1,792	1990	22.6	Major Rehabilitation	\$71,694	LO/CS/DE	0	
MESSEX LANE	2025/26	0.13	24	1,777	2001	25.8	Major Rehabilitation	\$71,077	LO/CS/DE	3	
SCHOOL ROAD	2025/26	1.09	24	15,377	2006	46.5	Major Rehabilitation	\$615,081	CO	21	
TIMBER MILL LANE	2025/26	0.27	22	3,548	2000	14.2	Major Rehabilitation	\$141,907	LO/CS/DE	8	
WELLS HILL ROAD	2025/26	0.46	22	5,915	2006	49.7	Major Rehabilitation	\$236,581	LO	13	
DAVIS HILL ROAD	2025/26	2.04	25	29,950	2009	97.4	No Maintenance Required	\$0	CO	25	
NORFIELD WOODS ROAD	2025/26	0.48	18	5,119	2003	53.0	Minor Rehabilitation	\$71,672	LO	6	
Total 2024/26		7.55				56.2		\$2,599,084			
BEAVERBROOK ROAD	2026/27	0.66	20	7,781	2006	43.3	Major Rehabilitation	\$311,228	LO/CS/DE	0	
DEER PATH ROAD	2026/27	0.35	20	4,106	2003	45.4	Major Rehabilitation	\$164,255	LO	10	
GRAYS FARM ROAD	2026/27	0.46	26	7,044	2005	41.4	Major Rehabilitation	\$281,749	LO/CS/DE	3	
HEMLOCK RIDGE ROAD	2026/27	0.37	22	4,720	1989	32.8	Major Rehabilitation	\$188,802	LO/CS/DE	10	
MOUNTAIN VIEW DRIVE	2026/27	0.25	18	2,635	1997	34.8	Major Rehabilitation	\$105,390	LO	9	
NARROW BROOK ROAD	2026/27	0.12	26	1,863	1993	48.3	Major Rehabilitation	\$74,504	LO/CS/DE	1	
PILGRIM LANE	2026/27	0.13	26	1,986	1996	12.6	Major Rehabilitation	\$79,444	LO/CS/DE	1	
WILDWOOD LANE	2026/27	0.45	24	6,391	1990	48.2	Major Rehabilitation	\$255,649	LO/CS/DE	4	
SACHEM ROAD	2026/27	0.45	16	4,193	2004	51.4	Minor Rehabilitation	\$58,706	LO/CS/DE	5	
GRAYS FARM ROAD	2026/27	0.46	26	7,044	2005	41.4	Major Rehabilitation	\$281,749	LO/CS/DE	3	
Total 2026/27		3.7				42.1		\$1,801,475			
FANTON HILL ROAD (South)	2027/28	0.68	22	8,765	2011	45.4	Major Rehabilitation	\$350,631	LO	9	
SHINNECOCK PLACE	2027/28	0.11	24	1,603	1999	47.3	Major Rehabilitation	\$64,118	LO/CS/DE	3	
WEDDINGTON LANE	2027/28	0.08	24	1,114	1991	11.8	Major Rehabilitation	\$44,563	LO/CS/DE	2	
WOOD HILL ROAD	2027/28	0.26	22	3,403	2005	43.7	Major Rehabilitation	\$136,117	LO/CS/DE	3	
WOODS END LANE	2027/28	0.08	22	1,087	1994	40.4	Major Rehabilitation	\$43,483	LO/CS/DE	2	
Total 27/28		1.21				42.7		\$638,911			

Appendix: Annual Road Work Budgets

	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17
Operating Budget	638,116	564,839	560,378	624,427	550,000	500,872	522,513	467,996
Supplemental					362,815			
Capital Budget	592,795	294,178	360,000			210,000		
Supplemental		329,775	160,225					
ARPA		575,313						
Total	1,230,911	1,764,105	1,080,603	624,427	912,815	710,872	522,513	467,996