



2021 Public Works Bond Referendum Discussion

July 13, 2021 (Updated 10-25-21)

Manchester Public Works Department

Tim Bockus, Director of Public Works
Jeff LaMalva, Town Engineer

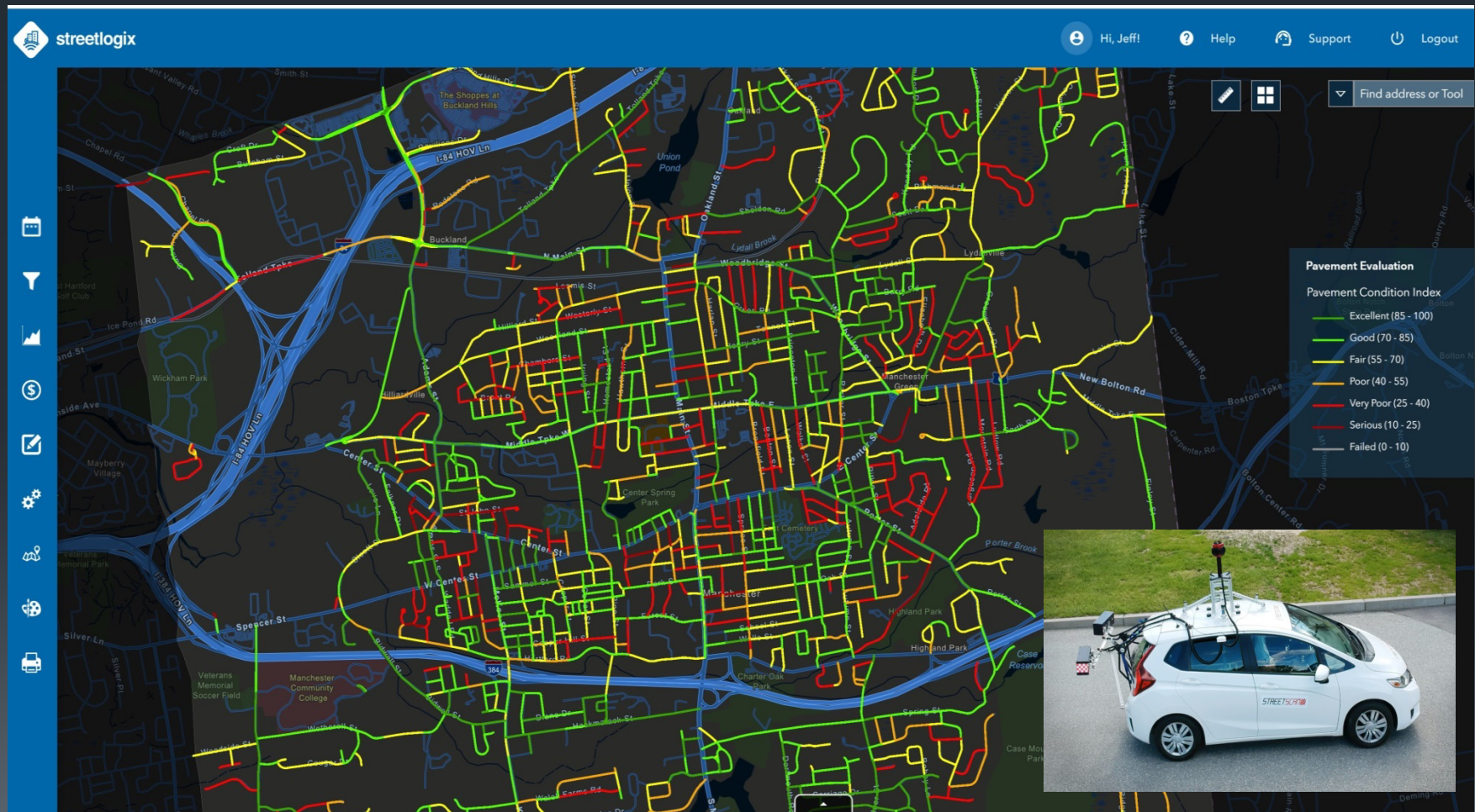
2021 Recommended Projects

■ Road Resurfacing	\$ 14,500,000
■ Sidewalk Replacements	\$ 1,500,000
■ Union Pond Dam Repairs	\$ 750,000
■ Contingency/Debt Service	\$ 500,000
■ Total Request	<hr/> \$ 17,250,000

*2019 PW Bond total = \$16,500,000 (4.5% increase)

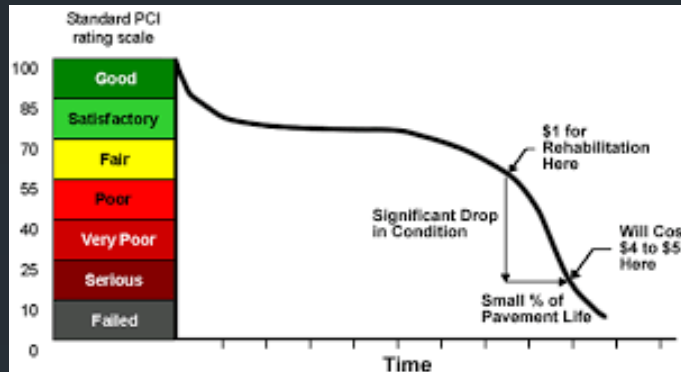
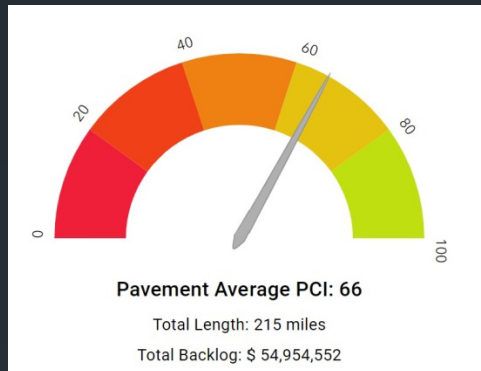
Road Resurfacing

Road conditions assessment performed by StreetScan

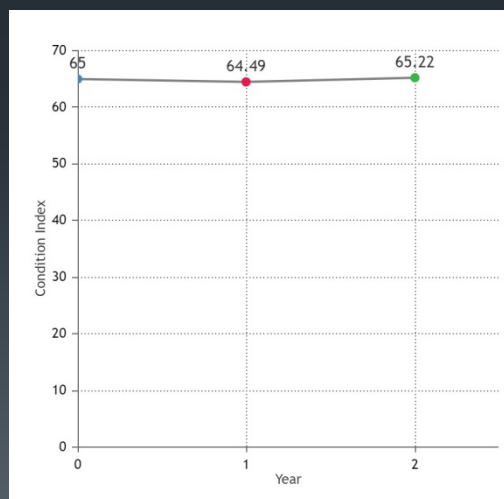
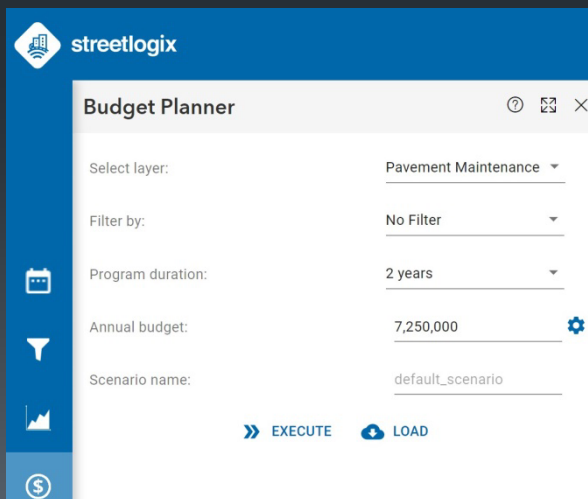


Road Resurfacing

- Town average PCI (Pavement Condition Index) = 66



- Proposed bond amount would maintain current PCI



Road Resurfacing

- Roads remaining from 2019 PW Bond (11%)

REMAINING FROM 2019 BOND							
ROAD	FROM	TO	AREA (SY)	TYPE	UNIT COST	EST. COST	CUMULATIVE
ALEXANDER STREET	ST. JOHN STREET	CENTER STREET	2,305	REPLACE	\$ 45.00	\$ 103,725.00	\$ 103,725.00
GRISWOLD STREET	CENTER STREET	END	1,775	REPLACE	\$ 45.00	\$ 79,875.00	\$ 183,600.00
LILAC STREET	CENTER STREET	END	1,970	REPLACE	\$ 45.00	\$ 88,650.00	\$ 272,250.00
LINCOLN STREET	ROOSEVELT STREET	END	610	REPLACE	\$ 45.00	\$ 27,450.00	\$ 299,700.00
RIDGEWOOD STREET	ALEXANDER STREET	END	2,880	REPLACE	\$ 45.00	\$ 129,600.00	\$ 429,300.00
ST. JOHN STREET	ADAMS STREET	END	6,250	REPLACE	\$ 45.00	\$ 281,250.00	\$ 710,550.00
PERKINS STREET			1,900	REPLACE	\$ 45.00	\$ 85,500.00	\$ 796,050.00
TRUMBULL STREET	GRISWOLD STREET	LILAC STREET	1,300	REPLACE	\$ 45.00	\$ 58,500.00	\$ 854,550.00
CASE MOUNTAIN ROAD	DENNISON RIDGE DRIVE	END	2,230	REPLACE	\$ 45.00	\$ 100,350.00	\$ 954,900.00
FORD STREET	MAIN STREET	END	600	REPLACE	\$ 45.00	\$ 27,000.00	\$ 981,900.00
GLEN ROAD	SPRING STREET	I-384 EXIT 4 OFF RAN	2,280	REPLACE	\$ 45.00	\$ 102,600.00	\$ 1,084,500.00
MITCHELL DRIVE	PARKER STREET	END	2,555	REPLACE	\$ 45.00	\$ 114,975.00	\$ 1,199,475.00
MITCHELL ROAD	SHELDON RD	MITCHELL DRIVE	1,165	REPLACE	\$ 45.00	\$ 52,425.00	\$ 1,251,900.00
UNION PLACE	UNION STREET	END	1,010	REPLACE	\$ 45.00	\$ 45,450.00	\$ 1,297,350.00
WEAVER ROAD	WOODBIDGE STREET	GREEN MANOR ROA	5,270	REPLACE	\$ 45.00	\$ 237,150.00	\$ 1,534,500.00
WELLINGTON ROAD	WESTMINSTER ROAD	AUTUMN STREET	3,330	REPLACE	\$ 45.00	\$ 149,850.00	\$ 1,684,350.00

- Pavement Preservation (Mill/PMA Overlay) (7%)

PAVEMENT PRESERVATION (FINE MILL & PMA OVERLAY)							
ROAD	FROM	TO	AREA (SY)	TYPE	UNIT COST	EST. COST	CUMULATIVE
UNION STREET			10700		\$ 20.00	\$ 214,000.00	\$ 214,000.00
BROOKFIELD STREET			10652		\$ 20.00	\$ 213,040.00	\$ 427,040.00
UTOPIA ROAD			8330		\$ 20.00	\$ 166,600.00	\$ 593,640.00
GRISSOM ROAD			15750		\$ 20.00	\$ 315,000.00	\$ 908,640.00
SHEPHARD ROAD			6975		\$ 20.00	\$ 139,500.00	\$ 1,048,140.00

- Arterials/Collectors (14%)

ROAD	FROM	TO	AREA (SY)	TYPE	UNIT COST	EST. COST	CUMULATIVE
SLATER STREET			8840	MILL	\$ 35.00	\$ 309,400.00	\$ 309,400.00
REDSTONE ROAD			9980	MILL	\$ 35.00	\$ 349,300.00	\$ 658,700.00
LINE STREET			8760	REPLACE	\$ 45.00	\$ 394,200.00	\$ 1,052,900.00
BUCKLAND STREET NB	ADAMS STREET	I-384	8385	MILL	\$ 35.00	\$ 293,475.00	\$ 1,346,375.00
HILLIARD STREET	NEW STATE ROAD	ADAMS STREET	4480	REPLACE	\$ 45.00	\$ 201,600.00	\$ 1,547,975.00
OAK GROVE STREET			11070	REPLACE	\$ 45.00	\$ 498,150.00	\$ 2,046,125.00

Tolland Turnpike (Town Line to Buckland/Adams) – Plan to Apply for LOTCIP (State) Funding

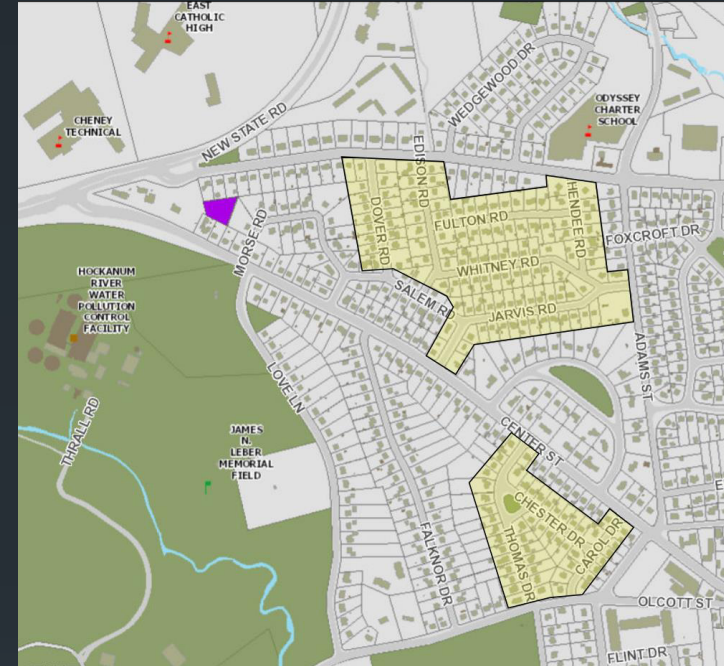
Road Resurfacing

Local Roads (68%)

LOCAL ROADS							
ROAD	FROM	TO	AREA (SY)	TYPE	UNIT COST	EST. COST	CUMULATIVE
AMHERST DRIVE	MEADOWBROOK DRIVE	END	2460	REPLACE	\$ 45.00	\$ 110,700.00	\$ 110,700.00
ARNOTT ROAD			6277	REPLACE	\$ 45.00	\$ 282,465.00	\$ 393,165.00
BAYBERRY ROAD			5084	REPLACE	\$ 45.00	\$ 228,780.00	\$ 621,945.00
BILYEU STREET			2705	REPLACE	\$ 45.00	\$ 121,725.00	\$ 743,670.00
CEDARWOOD ROAD			2570	REPLACE	\$ 45.00	\$ 115,650.00	\$ 859,320.00
CHATHAM DRIVE	YALE DRIVE	COLGATE DRIVE	1020	REPLACE	\$ 45.00	\$ 45,900.00	\$ 905,220.00
CITY VIEW			1463	REPLACE	\$ 45.00	\$ 65,835.00	\$ 971,055.00
COLGATE DRIVE			2940	REPLACE	\$ 45.00	\$ 132,300.00	\$ 1,103,355.00
COTTAGE STREET			2886	REPLACE	\$ 45.00	\$ 129,870.00	\$ 1,233,225.00
CUSHMAN DRIVE			7795	REPLACE	\$ 45.00	\$ 350,775.00	\$ 1,584,000.00
DOVER ROAD			2276	REPLACE	\$ 45.00	\$ 102,420.00	\$ 1,686,420.00
DURKIN STREET			2460	REPLACE	\$ 45.00	\$ 110,700.00	\$ 1,797,120.00
ELDRIDGE STREET	MAIN STREET	SPRUCE STREET	3340	REPLACE	\$ 45.00	\$ 150,300.00	\$ 1,947,420.00
ERIE STREET			3140	REPLACE	\$ 45.00	\$ 141,300.00	\$ 2,088,720.00
EXETER COURT			2132	REPLACE	\$ 45.00	\$ 95,940.00	\$ 2,184,660.00
FERGUSON ROAD	MIDDLE TURNPIKE EAST	MOUNTAIN ROAD	13850	REPLACE	\$ 45.00	\$ 623,250.00	\$ 2,807,910.00
GARDEN STREET			4163	REPLACE	\$ 45.00	\$ 187,335.00	\$ 2,995,245.00
HAMPTON DRIVE			4670	REPLACE	\$ 45.00	\$ 210,150.00	\$ 3,205,395.00
HILLS STREET			4100	REPLACE	\$ 45.00	\$ 184,500.00	\$ 3,389,895.00
JACQUELINE DRIVE			6354	REPLACE	\$ 45.00	\$ 285,930.00	\$ 3,675,825.00
JARVIS ROAD			3825	REPLACE	\$ 45.00	\$ 172,125.00	\$ 3,847,950.00
KIMBERLY DRIVE			7155	REPLACE	\$ 45.00	\$ 321,975.00	\$ 4,169,925.00
KNOLLWOOD ROAD			14686	REPLACE	\$ 45.00	\$ 660,870.00	\$ 4,830,795.00
LANCASTER ROAD			2455	REPLACE	\$ 45.00	\$ 110,475.00	\$ 4,941,270.00
LAUREL TERRACE			1520	REPLACE	\$ 45.00	\$ 68,400.00	\$ 5,009,670.00
LENTI DRIVE			2355	REPLACE	\$ 45.00	\$ 105,975.00	\$ 5,115,645.00
LUDLOW ROAD			15140	REPLACE	\$ 45.00	\$ 681,300.00	\$ 5,796,945.00
MARGARET ROAD			2420	REPLACE	\$ 45.00	\$ 108,900.00	\$ 5,905,845.00
MILL STREET			3258	REPLACE	\$ 45.00	\$ 146,610.00	\$ 6,052,455.00
MOUNTAIN ROAD			14768	REPLACE	\$ 45.00	\$ 664,560.00	\$ 6,717,015.00
NEW STREET			2950	REPLACE	\$ 45.00	\$ 132,750.00	\$ 6,849,765.00
PONDVIEW DRIVE			2442	REPLACE	\$ 45.00	\$ 109,890.00	\$ 6,959,655.00
ROUND HILL ROAD			5434	REPLACE	\$ 45.00	\$ 244,530.00	\$ 7,204,185.00
RUSHFORDE DRIVE			4524	REPLACE	\$ 45.00	\$ 203,580.00	\$ 7,407,765.00
SANRICO DRIVE			9583	REPLACE	\$ 45.00	\$ 431,235.00	\$ 7,839,000.00
SCARBOROUGH ROAD			3480	REPLACE	\$ 45.00	\$ 156,600.00	\$ 7,995,600.00
SHARON DRIVE			1668	REPLACE	\$ 45.00	\$ 75,060.00	\$ 8,070,660.00
STEEPLE CHASE DRIVE			3770	REPLACE	\$ 45.00	\$ 169,650.00	\$ 8,240,310.00
TANIA DRIVE			2520	REPLACE	\$ 45.00	\$ 113,400.00	\$ 8,353,710.00
TIMBER TRAIL			4330	REPLACE	\$ 45.00	\$ 194,850.00	\$ 8,548,560.00
TRACY DRIVE			5533	REPLACE	\$ 45.00	\$ 248,985.00	\$ 8,797,545.00
TUFTS DRIVE	MEADOWBROOK DRIVE	BENTLEY DRIVE	1800	REPLACE	\$ 45.00	\$ 81,000.00	\$ 8,878,545.00
WADSWORTH STREET EAST			1448	REPLACE	\$ 45.00	\$ 65,160.00	\$ 8,943,705.00
WEST GERALD DRIVE			7069	REPLACE	\$ 45.00	\$ 318,105.00	\$ 9,261,810.00
WESTMINISTER ROAD			3630	REPLACE	\$ 45.00	\$ 163,350.00	\$ 9,425,160.00
WYENDING HILL ROAD			7831	REPLACE	\$ 45.00	\$ 352,395.00	\$ 9,777,555.00
YALE DRIVE			4208	REPLACE	\$ 45.00	\$ 189,360.00	\$ 9,966,915.00

Sidewalk Replacements

■ Dover Road	\$ 150,000.
■ Edison Road	\$ 125,000.
■ Fulton Road	\$ 175,000.
■ Hendee Road	\$ 125,000.
■ Whitney Road	\$ 250,000.
■ Jarvis Road	\$ 225,000.
■ Carol Drive	\$ 120,000.
■ Chester Drive	\$ 140,000.
■ Thomas Drive	<u>\$ 190,000.</u>
■ Total	\$1,500,000.



Union Pond Dam

■ 2017 PW Bond	\$ 600,000.
■ 2019 PW Bond	\$ 750,000.
■ 2021 PW Bond	\$ 750,000.
■ Total	\$2,100,000.

MOBILIZATION	\$	75,000.00
CLEARING/SITE WORK	\$	140,000.00
CONCRETE REPAIRS	\$	1,225,000.00
GROUTING	\$	140,000.00
GENERAL CONDITIONS	\$	240,000.00
CONTINGENCY	\$	200,000.00
DESIGN/INSPECTION	\$	80,000.00
TOTAL PROJECT COST	\$	2,100,000.00

