

JASON L. MAMMONE, P.E.
DIRECTOR OF ENGINEERING

NATHAN S. BUTTERMORE, P.E.
INFRASTRUCTURE ENGINEER

RONALD I. LAWRENCE
PROJECT ENGINEER

EMAN SAYEGH
GIS MANAGER

TOWN OF DEDHAM
Commonwealth of Massachusetts



55 RIVER STREET
DEDHAM, MA 02026-2935

(781) 751-9350
FAX (781) 751-9359

www.dedham-ma.gov

DEPARTMENT OF INFRASTRUCTURE ENGINEERING

MEMORANDUM

TO: James Kern, Town Manager
Board of Selectmen

FROM: Jason L. Mammone, P.E., Director of Engineering
Joseph M. Flanagan, Director of Public Works

DATE: March 22, 2018

SUBJECT: Recommended Pavement Improvements for FY2019-FY2021

As part of the annual pavement management program, please find an analysis of the costs associated with the FY2018 Pavement Management road improvements which are currently being undertaken this contract year along with the recommended FY2019-FY2021 pavement improvements for review and consideration.

The FY2018 Recommended Pavement Improvements were presented to the Board and approved on June 15, 2017 as part of the continuing three year FY2018-FY2020 Recommended Pavement Management Improvements. A summary of the work as originally proposed and approved can be found in Table 1.

Table 1 – FY2018 Approved Road Improvements

Repair Type	Length in Feet	Cost
Reclamation	23,601	\$2,471,418.26
Mill and Overlay	234	\$14,910.91
Overlay	0	\$0
Preventative Maintenance	0	\$0
Routine Maintenance	16,050	\$47,319.50
Totals	39,885	\$2,533,648.67

Construction of the planned improvements began in April of 2017. Those roadways that were not completed by the end of 2017 were incorporated into the FY2018 improvements. The routine maintenance work was completed by Crack-Sealing, Inc. and the reclamation work was completed by Lorusso Corporation under the FY2016 Paving Contract.

We completed approximately 70 percent of the FY2018 roadwork during the first half of the contract year and will continue working on the remainder of the roadwork starting in April. There is approximately \$940,000 worth of roadwork remaining for FY2018. These roads are to be rehabilitated by reclamation. Any FY2018 roads not completed by June 30th will be added to the FY2019 Road Program.

A summary of the completed work to date can be found below in Table 2.

Table 2 – FY2018 Completed Improvements To Date

Repair Type	Length in Feet	Cost
Reclamation	14,969	\$1,678,936.51
Mill and Overlay	0	\$0
Overlay	0	\$0
Preventative Maintenance	0	\$0
Routine Maintenance	12,576	\$18,202.31
Totals	27,545	\$1,697,138.82

A summary of the estimated versus actual unit costs for FY2017 to date is shown below in Table 3.

Table 3 – FY2018 Units Costs To Date (Estimated vs. Actual)

Repair Type	Estimated Unit Cost (per SY)	Actual Unit Cost (per SY)
Reclamation (Major Collector)	\$40.00	-
Reclamation (Minor Collector & Residential)	\$35.00	\$33.55
Mill and Overlay	\$20.00	-
Overlay	\$15.00	-
Preventative Maintenance	\$12.00	-
Routine Maintenance	\$0.75	\$0.40

Based upon our favorable contract prices and oversight of the contract with in-house personnel, the Town was also able to complete the wholesale sidewalk replacement for a majority of the roads that have been reclaimed to date in FY2018. In total, the Town replaced approximately 17,850 linear feet of asphalt sidewalk.

The Town is now entering into our twelfth year of Pavement Management and as a continuation of last year's FY2018-FY2020 Pavement Management Plan we have prepared new recommendations for FY2021.

As of December 31, 2016 our overall roadway network pavement condition index (PCI) was 88 which is up significantly from our initial PCI of 70 from eleven years ago. If the

proposed improvements are approved and implemented we can anticipate maintaining the roadway PCI at 88 by the end of FY2021.

The funding scenario for the recommended FY2019 – FY2021 pavement improvements is based on the assumption of a local funding level of \$900,000 and utilizing approximately \$650,000 from State Chapter 90 funds for years 1 & 2 and a local funding level of \$700,000 and utilizing approximately \$650,000 from State Chapter 90 funds for year 3. As always, if the Town receives more than the assumed State Chapter 90 funding, we will utilize that money during the current construction season to rehabilitate roads identified in the following year's program. As of 12/31/17, the Town's current backlog of repairs is \$7,243,642.

The recommended improvements proposed in this document are associated with asphalt pavement only. Sidewalks, curbing, drainage, and other geometric changes are not included in this proposal, however if during the design process these improvements are found to be necessary or desirable we will work to incorporate those items within the available budget(s).

In summary, the DPW and Engineering Departments are pleased to report that we are on target to successfully complete the FY2018 Pavement Management Plan approved last year within the available budget. Through the diligent efforts of both departments we believe we are able to deliver these improvements in an efficient and cost effective manner. All oversight of the design, bidding, contract administration, field engineering, and inspection was performed using in-house resources. Through these efforts we have been able to raise the Town's PCI to 88 from the initial rating of 70 eleven years ago.

The proposed work throughout Town over the course of FY2019-FY2021 is summarized in the attached table and maps. Please review the attached information and provide us with any questions or comments.

Cc: Nancy A. Baker, Assistant Town Administrator
Nathan S. Buttermore, P.E., Infrastructure Engineer
Ronald I. Lawrence, Project Engineer

Town of Dedham - Pavement Management Road Program

Name	From	To	PCI	Length (ft)	Area (sy)	Cost	
7/1/2018							
Repair Type: Mill/Overlay							
CURVE STREET	COLBURN ST	MAVERICK ST	89	1,170	3,120	\$62,400.00	
CURVE STREET	MAVERICK ST	100' E OF WASHINGTON ST	87	1,690	3,755	\$75,106.60	
MCDONALD STREET	SPRAGUE ST	DEAD END	66	959	2,345	\$46,899.20	
QUAKER LANE	WALNUT ST	DEAD END	67	382	890	\$17,808.00	
SANDERSON AVENUE	MT VERNON ST	EAST ST	70	1,127	3,005	\$65,855.98	
SANDERSON AVENUE	RIVER ST	MT VERNON ST	94	1,534	5,112	\$102,246.60	
				Repair Type Sum	6,862	18,229	\$370,316.38
Repair Type: Preventative Maintenance							
BRIDGE STREET	COMMON STREET	HIGH STREET	90	463	1,542	\$18,504.00	
BRIDGE STREET	COMMON STREET	462' N OF BRIDGE STREET	82	462	1,541	\$18,496.00	
COMMON STREET	HIGH ST	BRIDGE ST	95	409	1,452	\$17,429.28	
HIGH STREET	716' W OF WESTFIELD ST	STATE SECTION	82	1,814	5,642	\$74,182.33	
HIGH STREET	AMES ST	BULLARD ST	95	395	1,493	\$17,915.76	
HIGH STREET	BRIDGE ST	WESTFIELD ST	89	1,138	3,541	\$42,489.12	
HIGH STREET	BULLARD ST	COMMON ST	95	1,637	4,547	\$54,560.04	
HIGH STREET	COMMON ST	BRIDGE ST	89	685	1,903	\$22,833.36	
HIGH STREET	WESTFIELD ST	716' W OF WESTFIELD ST	83	716	1,910	\$25,118.38	
				Repair Type Sum	7,719	23,571	\$291,528.27
Repair Type: Reclamation Minor Collector and Local							
ALTOONA ROAD	SHERMAN RD	TRENTON RD	56	1,091	3,152	\$121,516.34	
ARDMORE ROAD	SHERMAN RD	TRENTON RD	51	858	2,289	\$88,236.27	
ASHCROFT STREET	DEAD END (N)	CUL DE SAC (S)	44	1,565	4,291	\$150,172.75	
BELOIT ROAD	SHERMAN RD	TRENTON RD	58	594	1,716	\$66,142.93	

Town of Dedham - Pavement Management Road Program

<i>Name</i>	<i>From</i>	<i>To</i>	<i>PCI</i>	<i>Length (ft)</i>	<i>Area (sy)</i>	<i>Cost</i>
CASS AVENUE	206' E OF HAVELNUT PL	WALNUT ST	63	610	1,695	\$59,330.95
COACH LANE	GREENLODGE ST	CUL DE SAC	57	309	1,478	\$51,716.00
COLBURN STREET	HYDE PARK ST	100' E OF BUSSEY ST	48	1,566	5,918	\$228,127.89
CRANE STREET	ETNA RD	DEAD END	51	1,045	2,903	\$101,596.66
CRANE STREET	TURNER ST	SAVIN ST	50	693	1,926	\$74,243.42
DALE STREET	RIVER ST	BORDER STREET	58	2,107	7,022	\$245,781.55
FILLMORE ROAD	277' E OF GREENLODGE ST	DEAD END	56	414	1,149	\$40,230.40
FLINTLOCKE LANE	GREENLODGE ST	CUL DE SAC	41	932	3,646	\$127,610.00
GOSHEN ROAD	TRENTON RD	LORAIN RD	51	850	2,078	\$80,119.93
GREENLODGE STREET	200' S OF FLINTLOCKE LA	TRUMAN RD	52	321	713	\$24,943.45
HYDE PARK STREET	200' S OF BISMARCK ST	COLBURN ST	31	794	1,765	\$61,763.33
LANCASTER ROAD	SPRAGUE ST	DEAD END	50	1,104	2,943	\$103,021.45
MYRTLE STREET	MILTON ST	WALNUT ST	53	531	1,415	\$54,557.83
PATTY LEE LANE	GREENLODGE ST	DEAD END	52	361	963	\$33,693.45
ROOSEVELT ROAD	FILLMORE RD	DEAD ED	51	400	1,066	\$37,207.45
<i>Repair Type Sum</i>				<i>16,146</i>	<i>48,127</i>	<i>\$1,750,012.05</i>

Repair Type: Routine Maintenance

BINGHAM AVENUE	56' E OF CREST AVENUE	MAYNARD ROAD	89	760	2,026	\$1,519.40
BINGHAM AVENUE	BRIDGE STREET	56' E OF CREST AVE	88	298	794	\$595.60
CALVIN ROAD	SCOTT CIR	DEAD END	87	318	884	\$663.33
CIRCUIT ROAD	MADISON ST	CEDAR ST	93	1,187	3,165	\$2,374.00
COLWELL DRIVE	GREENLODGE ST	100' N OF SCOTT CIR	87	1,852	5,143	\$3,199.17
COMMON STREET	1155' E OF WEST ST	WEST ST	95	1,157	3,729	\$2,796.57
COMMON STREET	DEXTER ST	HAVEN STREET	95	1,984	6,392	\$4,794.18
CRESTON AVENUE	VINCENT RD	DEAD END	88	976	2,712	\$2,034.17
DEERPATH ROAD	HIGH STREET	CUL-DE-SAC	88	827	2,219	\$1,663.88

Town of Dedham - Pavement Management Road Program

Name	From	To	PCI	Length (ft)	Area (sy)	Cost
HAVEN STREET	WESTFIELD STREET	COMMON STREET	83	2,179	4,358	\$3,268.65
HILLSIDE ROAD	NEEDHAM STREET	VINE ROCK STREET	93	1,271	3,389	\$2,541.80
LOWDER STREET	570' N OF HIGHLAND ST	SAWYER DR	88	1,073	2,146	\$1,609.50
LOWDER STREET	SAWYER DR	HIGH ST	83	1,605	3,210	\$2,407.20
STONE LEA ROAD	SANDY VALLEY RD	709' E OF STONEY LEA RD	89	3,557	7,508	\$2,627.86
VINCENT ROAD	EAST ST	379' S OF CRANBERRY LA	94	3,012	8,033	\$6,024.80
WASHINGTON STREET	PROVIDENCE HWY	BOSTON LINE	87	3,810	25,401	\$19,050.50
WESTFIELD STREET	HAVEN STREET	3060' W OF HAVEN STREET	89	3,060	6,799	\$5,099.33
WESTFIELD STREET	HIGH STREET	HAVEN STREET	86	475	1,056	\$791.67
Repair Type Sum				29,400	88,964	\$63,061.61
Year Grand Total				60,126	178,891	\$2,474,918.31

7/1/2019

Repair Type: *Mill/Overlay*

COUNTRY CLUB ROAD	1786' N OF GROVE STREET	330' N OF SCHOOL MASTER	65	2,283	5,582	\$111,632.89
COUNTRY CLUB ROAD	GROVE STREET	1786' N OF GROVE STREET	71	1,786	4,764	\$95,274.67
LOWER EAST STREET	TOWNLINE	255' W OF WASHINGTON ST	69	1,329	3,691	\$73,827.78
RIVER STREET	180' W OF MILTON ST	CEDAR ST	69	1,838	5,310	\$106,200.73
STOUGHTON ROAD	SPRAGUE ST	GREENLODGE ST	69	1,251	3,615	\$72,303.11
Repair Type Sum				8,488	22,962	\$459,239.18

Repair Type: *Reclamation Minor Collector and Local*

ARROWHEAD LANE	CENTRAL AV	DEAD END	51	405	1,125	\$39,375.00
BEECH STREET	CEDAR ST	DRESSER AV	52	667	1,854	\$64,876.39
BEECH STREET	DRESSER AV	DEAD END	39	521	1,446	\$50,613.89
BRIARWOOD LANE	GREENLODGE ST	DEAD END	40	452	1,205	\$42,186.67
CENTRAL AVENUE	DEAD END	ARROWHEAD LA	38	523	2,323	\$81,293.33

Town of Dedham - Pavement Management Road Program

<i>Name</i>	<i>From</i>	<i>To</i>	<i>PCI</i>	<i>Length (ft)</i>	<i>Area (sy)</i>	<i>Cost</i>
CRANSTON AVENUE	VINCENT RD	DEAD END	33	250	696	\$24,344.44
ENDICOTT STREET	EAST ST	722' S of EAST ST	41	722	2,005	\$70,175.00
FRESNO ROAD	GREENBORO RD	DEAD END	44	320	854	\$29,876.00
GREENSBORO ROAD	100' E OF GLEN RD	68' W OF GLEN RD	54	169	431	\$15,098.22
GREENSBORO ROAD	68' W OF GLEN RD	603' N OF GAINSVILLE RD	45	183	467	\$16,359.39
GREENSBORO ROAD	FRESNO RD	100' E OF GLEN RD	45	355	908	\$31,788.56
LAMOINE STREET	96' E OF EAST ST	DEAD END	43	226	628	\$21,962.50
LAMOINE STREET	EAST ST	96' E OF EAST ST	62	97	269	\$9,411.11
MADISON STREET	EAST ST	DEAD END	44	692	1,923	\$67,287.50
MARGARET ROAD	GREENLODGE ST	DEAD END	46	279	807	\$28,240.33
PINE GROVE AVENUE	UPLAND RD	DEAD END	27	439	926	\$32,407.67
PRESTON STREET	75' E OF EAST ST	DEAD END	36	582	1,616	\$56,544.44
PURITAN LANE	EAST ST	CUL DE SAC	32	686	2,053	\$66,694.44
SMITH CIRCLE	GREENLODGE ST	CUL DE SAC	43	295	1,636	\$36,661.33
STEPHEN LANE	GREENLODGE ST	CUL DE SAC	46	424	1,773	\$41,251.39
THOMPSON STREET	EAST ST	DEAD END	39	815	2,174	\$76,094.67
WEST JERSEY STREET	CENTRAL AV	DEAD END	38	632	1,755	\$61,415.28
WINSTEAD AVENUE	RIDGEWAY ST	DEAD END	40	758	2,106	\$73,713.89
Repair Type Sum				10,491	30,979	\$1,037,671.44

Repair Type: Routine Maintenance

CLEVELAND STREET	BIRCH ST	LEONARD ST	95	1,245	3,874	\$2,905.70
COLBURN STREET	CURVE ST	MAVERICK ST	86	1,292	3,445	\$2,584.11
COLBURN STREET	DEAD END	96' N OF HYDE PARK ST	84	781	2,604	\$1,953.25
COLONIAL DRIVE	537' N OF BUSSEY ST	THOMAS ST	86	581	1,097	\$822.45
COLONIAL DRIVE	BUSSEY ST	537' N OF BUSSEY ST	90	537	1,552	\$1,164.37
CONGRESS PLACE	BUSSEY ST	670' N OF BUSSEY ST	95	669	1,339	\$1,003.95

Town of Dedham - Pavement Management Road Program

Name	From	To	PCI	Length (ft)	Area (sy)	Cost
EMMETT AVENUE	COLBURN ST	ODYSSEY LA	86	844	2,345	\$1,758.96
EMMETT AVENUE	ODYSSEY LA	SAWMILL LA	86	668	1,484	\$1,113.26
GREENHOOD STREET	COLBURN ST	GARFIELD RD	86	748	1,828	\$1,371.33
GREENHOOD STREET	COLONIAL DR	COLBURN ST	95	894	2,284	\$1,712.93
HARDING TERRACE	COLBURN ST	DADHAM BLVD	86	1,123	2,994	\$2,245.60
HARDING TERRACE	DEDHAM BLVD	DEAD END	95	1,167	2,723	\$2,042.40
LEONARD STREET	DEDHAM BLVD	BIRCH SR	95	1,646	5,119	\$3,839.50
LEONARD STREET EXTENSIO	BIRCH ST	195' S of BIRCH ST	95	195	476	\$357.13
SPRAGUE STREET	100' E OF DRESSER AV	50' W OF HOOPER RD	93	3,830	14,045	\$10,533.60
SPRAGUE STREET	167' S OF COVENTRY RD	TOWN LINE	86	941	3,451	\$2,588.54
SPRAGUE STREET	212' W OF CEDAR ST	UPLAND RD	91	605	2,756	\$2,067.08
SPRAGUE STREET	50' W OF HOOPER RD	167' S OF COVENTRY RD	90	468	3,067	\$2,300.51
SPRAGUE STREET	UPLAND RD	100' E OF DRESSER AV	93	286	1,776	\$1,332.33
STAFFORD STREET	HARDING TERR	EMMITT AV	86	375	999	\$749.60
WESTFIELD STREET	HAVEN STREET	3060' W OF HAVEN STREET	76	3,060	6,799	\$5,099.33
WHITEHALL STREET	WARE ST	GREENHOOD ST	95	1,994	5,317	\$3,988.00
Repair Type Sum				23,949	71,379	\$53,533.93
Year Grand Total				42,928	125,319	\$1,550,444.55

7/1/2020

Repair Type: Preventative Maintenance

COMMON STREET	36' W OF HAVEN ST	1155' W OF WEST ST	84	2,161	7,202	\$86,428.00
GREENLODGE STREET	MARGARET RD	STOUGHTON RD	81	830	2,860	\$34,314.93
GREENLODGE STREET	SPRAGUE ST	MARGARET RD	81	529	2,056	\$24,672.67
MILTON STREET	140' S OF RIVER ST	TOWNLINE	84	1,067	3,911	\$46,934.80
MILTON STREET	150' S OF MYRTLE ST	200' N OF RIVER ST	84	1,650	6,598	\$79,180.80
MILTON STREET	200' N OF RIVER ST	140' S OF RIVER ST	68	389	2,552	\$30,624.93

Town of Dedham - Pavement Management Road Program

Name	From	To	PCI	Length (ft)	Area (sy)	Cost
MILTON STREET	WALNUT ST	150' S OF MYRTLE ST	84	588	4,114	\$49,366.80
PINE STREET	BRIDGE STREET	79' W OF KIELY ROAD	81	1,726	5,369	\$64,422.40
RIVER STREET	TOWNLIN	180' W OF MILTON ST	84	1,219	4,604	\$55,252.27
WEST STREET	COMMON STREET	965' N OF COMMON STREET	77	964	3,214	\$38,568.00
Repair Type Sum				11,122	42,480	\$509,765.60

Repair Type: *Reclamation Minor Collector and Local*

ADAMS STREET	SHIRETOWN RD	50' E OF NETTA RD	42	474	1,263	\$44,221.33
BENJAMIN STREET	ASHCROFT ST	DALE ST	48	630	1,819	\$63,659.56
EDISON AVENUE	FULTON ST	MORSE AV	41	700	2,022	\$70,767.67
LILLY LANE	ADAMS ST	DEAD END	39	566	1,510	\$52,864.00
MADISON STREET	CEDAR ST	MT VERNON ST	58	1,631	4,894	\$171,297.00
MORSE AVENUE	EDISON AV	FENCE	41	186	497	\$17,397.33
NETTA ROAD	ADAMS ST	DEAD END	39	473	1,261	\$44,146.67
REED STREET	PRATT AV	BORDER ST	74	1,145	3,052	\$106,829.33
SHIRETOWN ROAD	CIRCUIT RD	DEAD END	46	1,210	3,226	\$112,905.33
WILLIAMS AVENUE	ASHCROFT ST	DALE ST	75	676	1,876	\$65,673.61
Repair Type Sum				7,690	21,422	\$749,761.83

Repair Type: *Routine Maintenance*

ALLINDALE WAY	VILLAGE AV	WAMPATUCK RD	90	407	994	\$745.62
AMES STREET	333' S OF PLEASANT ST	654' N OF HIGH ST	92	426	1,421	\$1,065.75
AMES STREET	654' N OF HIGH ST	HIGH ST	92	655	2,328	\$1,746.01
BEAR HILL	CHUTE RD	DEAD END	91	284	441	\$330.98
BIRCH STREET	ROWAN ST	DEAD END	36	370	1,152	\$864.02
CHESTNUT STREET	HIGH ST	MARTIN BATES ST	95	924	2,157	\$1,617.70
CHICKERING ROAD	WASHINGTON STREET	CUL-DE-SAC	94	1,954	4,483	\$3,255.83
CHURCH STREET	FRANKLIN SQ	COURT ST	81	522	1,217	\$912.80

Town of Dedham - Pavement Management Road Program

<i>Name</i>	<i>From</i>	<i>To</i>	<i>PCI</i>	<i>Length (ft)</i>	<i>Area (sy)</i>	<i>Cost</i>
CHURCH STREET	HIGH ST	FRANKLIN SQUARE	93	516	1,204	\$903.35
COUNTRY CLUB ROAD	330' N OF SCHOOL MASTER	337' E OF THE TOWN LINE	90	1,201	2,668	\$2,001.17
COUNTRY CLUB ROAD	337' E OF THE TOWN LINE	TOWN LINE	77	337	750	\$562.33
COUNTY STREET	CHESTNUT ST	BULLARD ST	95	642	1,499	\$1,124.20
COURT STREET	BATES CT	CHURCH ST	92	388	1,594	\$1,195.72
COURT STREET	CHURCH ST	MARSH ST	92	913	3,145	\$2,358.84
COURT STREET	HIGH ST	BATES CT	92	331	1,657	\$1,242.75
COURT STREET	MARSH ST	WETHERBEE ST	92	748	2,659	\$1,994.13
EASTERN AVENUE	HIGH ST	50' N OF BRYANT ST	75	342	2,470	\$1,852.50
FAIR OAK ROAD	CHICKERING ROAD	DEAD END	94	449	947	\$710.44
FRANKLIN SQUARE	SCHOOL ST	CHURCH ST	84	283	1,256	\$942.00
GARDEN WAY	PACELLA DR	CUL DE SAC	95	310	1,230	\$619.60
GLENRIDGE ROAD	COMMON STREET	HAVEN STREET	93	1,139	2,784	\$2,087.98
HIGH STREET	250' N OF EASTERN AV	EASTERN AV	91	248	1,239	\$928.88
HIGH STREET	EASTERN AV	MAPLE PL	91	505	3,255	\$2,441.32
HIGH STREET	MAPLE PL	AMES ST	91	644	2,434	\$1,825.52
HIGHLAND STREET	RICHARDS ST	WASHINGTON ST	90	4,677	11,433	\$8,574.50
LEE TERRACE	ORCHARD ST	DEAD END	94	458	967	\$725.33
LOWDER STREET	570' N OF HIGHLAND ST	SAWYER DR	75	1,073	2,146	\$1,609.50
LOWDER STREET	HIGHLAND ST	570' N OF HIGHLAND ST	93	569	1,265	\$948.83
MARION STREET	WASHINGTON ST	WILLOW ST	90	377	1,090	\$817.70
MARSH STREET	WASHINGTON ST	COURT ST	82	508	1,130	\$847.17
MARTIN BATES STREET	HIGHLAND ST	CHESTNUT ST	73	1,192	2,385	\$1,788.45
NORFOLK STREET	50' E OF PEARL ST	COURT ST	94	288	641	\$480.62
NORFOLK STREET	CHURCH ST	50' E OF PEARL ST	94	135	571	\$428.13
ORCHARD STREET	ELM ST	WILSON AV	96	806	2,148	\$1,611.00
PACELLA DRIVE	HIGHLAND ST	FAY RD	96	2,042	5,218	\$3,913.45

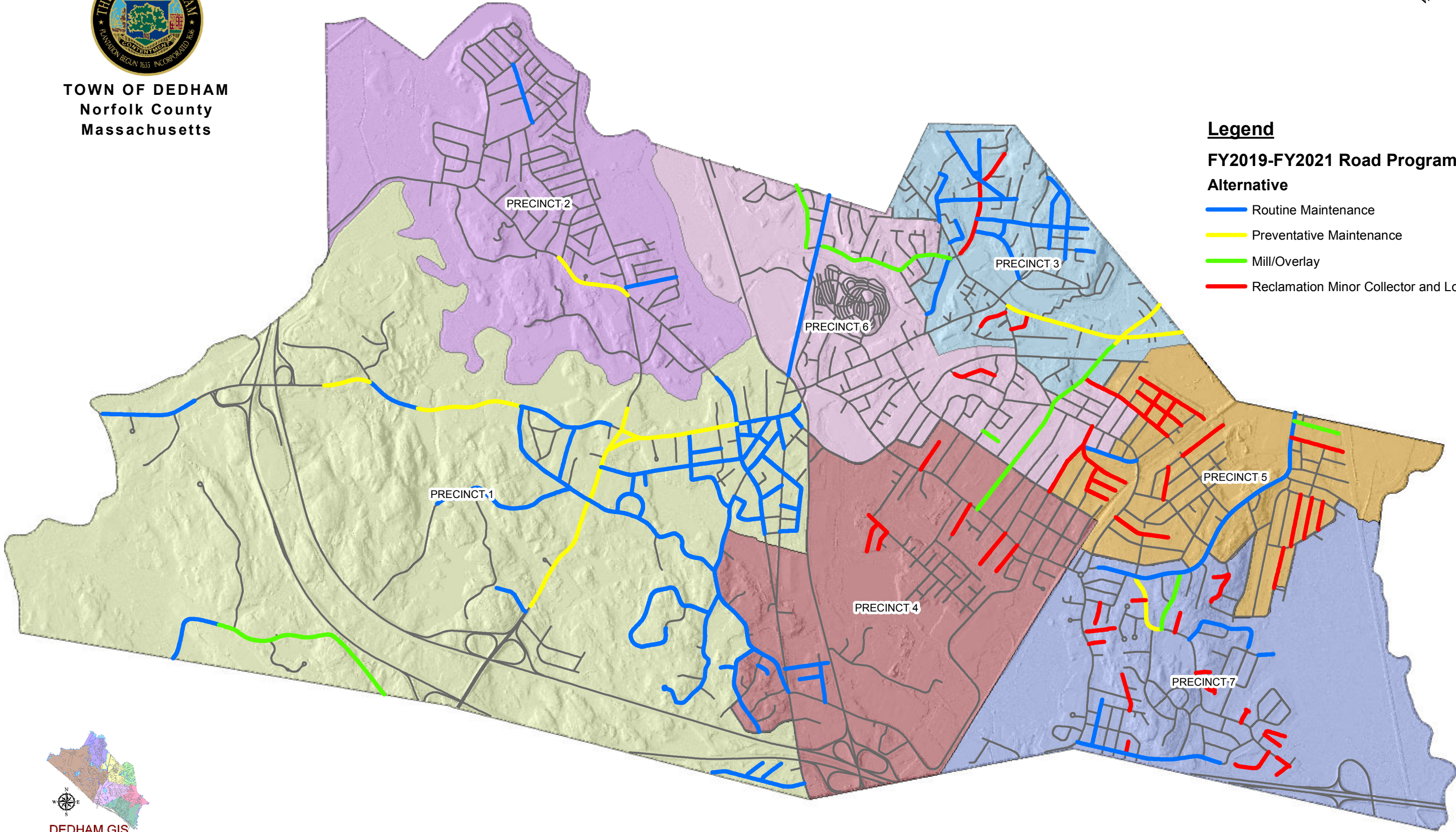
Town of Dedham - Pavement Management Road Program

<i>Name</i>	<i>From</i>	<i>To</i>	<i>PCI</i>	<i>Length (ft)</i>	<i>Area (sy)</i>	<i>Cost</i>
PEARL STREET	HIGH ST	NORFOLK ST	94	279	807	\$605.15
POND FARM ROAD	CHICKERING ROAD	DEAD END	94	543	1,388	\$1,041.31
PROSPECT STREET	WILLOW ST	WASHINGTON ST	93	340	832	\$624.07
RICHARDS STREET	COURT ST	HIGHLAND ST	76	1,088	2,901	\$2,175.40
RODMAN PLACE	VILLAGE AV	CUL DE SAC	61	250	582	\$395.20
SANDY VALLEY ROAD	179' S OF DEAD END	CUL DE SAC LOOP	73	524	815	\$611.57
SANDY VALLEY ROAD	300' S OF DAVE WAY	179' S OF DEAD END	74	1,189	1,981	\$1,485.88
SANDY VALLEY ROAD	HIGHLAND ST	300' S OF DAVE WAY	59	1,502	3,171	\$2,378.33
SCHOOL STREET	WASHINGTON ST	COURT ST	93	1,066	2,841	\$2,131.00
SPRUCE STREET	WASHINGTON ST	WILLOW ST	76	506	1,068	\$800.69
STONE LEA ROAD	SANDY VALLEY RD	709' E OF STONEY LEA RD	76	3,557	7,508	\$5,631.13
VILLAGE AVENUE	CHESTNUT ST	HIGH ST	90	1,894	4,629	\$3,471.60
VILLAGE AVENUE	COURT ST	CHESTNUT ST	90	1,050	2,915	\$2,186.46
WAMPATUCK ROAD	LOWDER ST	LOWDER ST	94	1,203	2,673	\$2,005.00
WASHINGTON STREET	HIGH ST	SCHOOL ST	89	303	2,557	\$1,917.73
WASHINGTON STREET	SCHOOL ST	BRYANT ST	84	356	1,821	\$1,365.82
WEST STREET	BURGESS LANE	NEEDHAM TOWN LINE	76	1,481	4,277	\$3,207.97
WILLOW STREET	SPRUCE ST	PROSPECT ST	84	878	2,537	\$1,902.98
WILSON AVENUE	WASHINGTON ST	DEAD END	79	894	2,384	\$1,788.00
WORTHINGTON STREET	WASHINGTON ST	SCHOOL ST	94	560	1,182	\$886.83
Repair Type Sum				46,125	122,849	\$91,686.24
Year Grand Total				64,936	186,751	\$1,351,213.67
Grand Total of All Years				167,990	490,962	\$5,376,576.53

PAVEMENT MANAGEMENT
FY2019 - FY2021 ROAD PROGRAM



TOWN OF DEDHAM
Norfolk County
Massachusetts

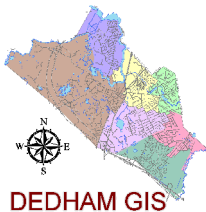


Legend

FY2019-FY2021 Road Program

Alternative

- Routine Maintenance
- Preventative Maintenance
- Mill/Overlay
- Reclamation Minor Collector and Local



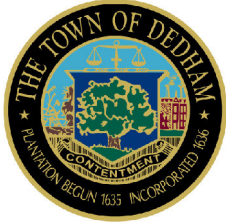
DEDHAM GIS

This document is intended for
Town of Dedham planning and
analysis purposes only.

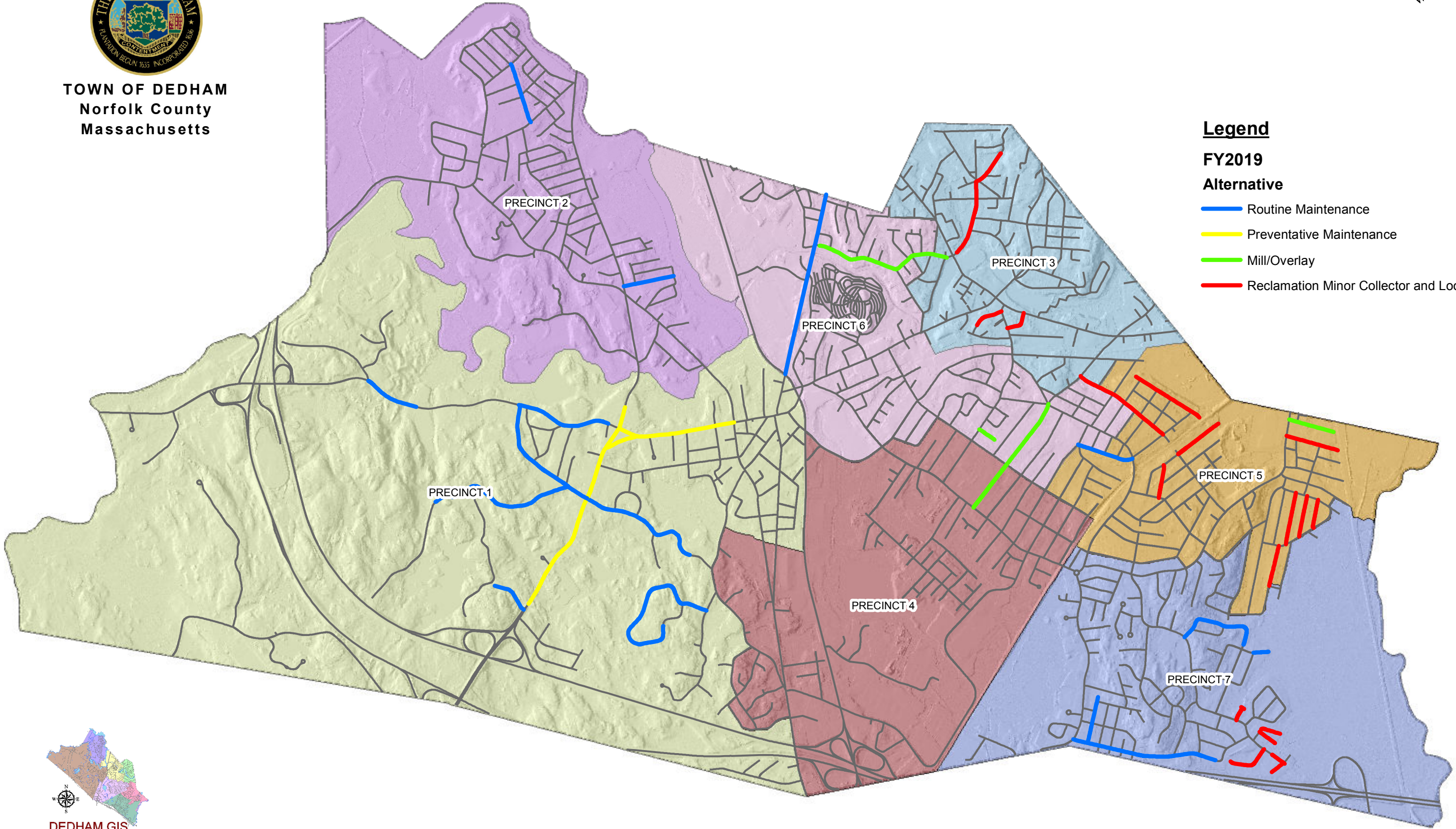
1 inch = 2,000 feet

Produced by:
The Town of Dedham
Engineering Department

PAVEMENT MANAGEMENT
FY2019 - FY2021 ROAD PROGRAM



TOWN OF DEDHAM
Norfolk County
Massachusetts

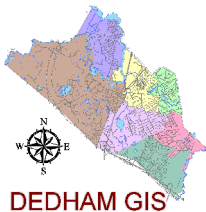


Legend

FY2019

Alternative

- Routine Maintenance
- Preventative Maintenance
- Mill/Overlay
- Reclamation Minor Collector and Local



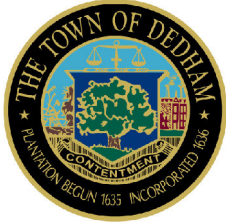
DEDHAM GIS

This document is intended for
Town of Dedham planning and
analysis purposes only.

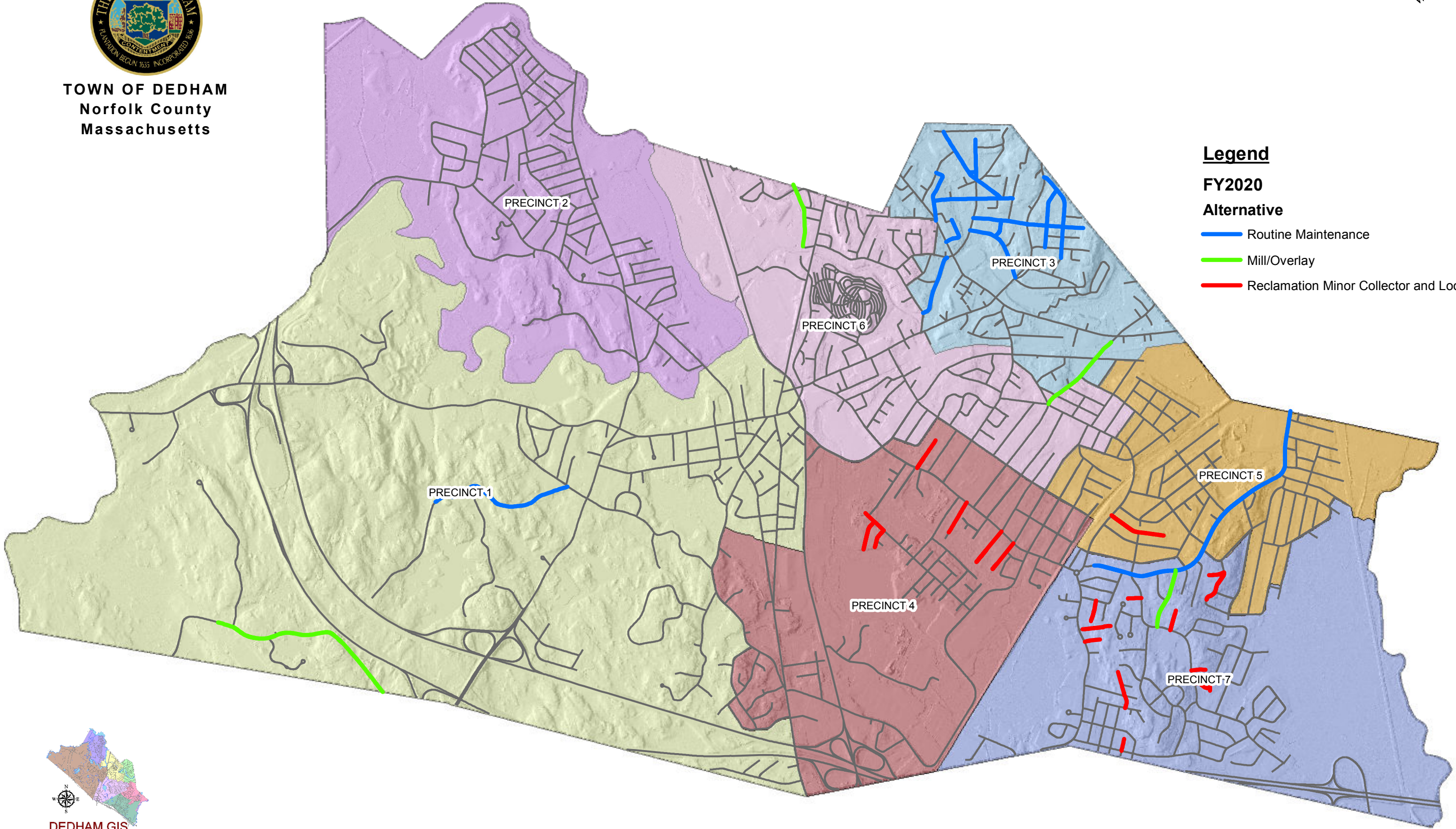
1 inch = 2,000 feet

Produced by:
The Town of Dedham
Engineering Department

PAVEMENT MANAGEMENT
FY2019 - FY2021 ROAD PROGRAM






TOWN OF DEDHAM
Norfolk County
Massachusetts

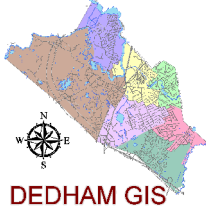


Legend

FY2020

Alternative

-  Routine Maintenance
-  Mill/Overlay
-  Reclamation Minor Collector and Local



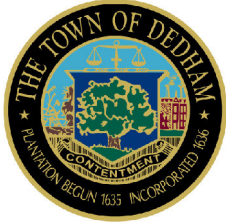
DEDHAM GIS

This document is intended for
Town of Dedham planning and
analysis purposes only.

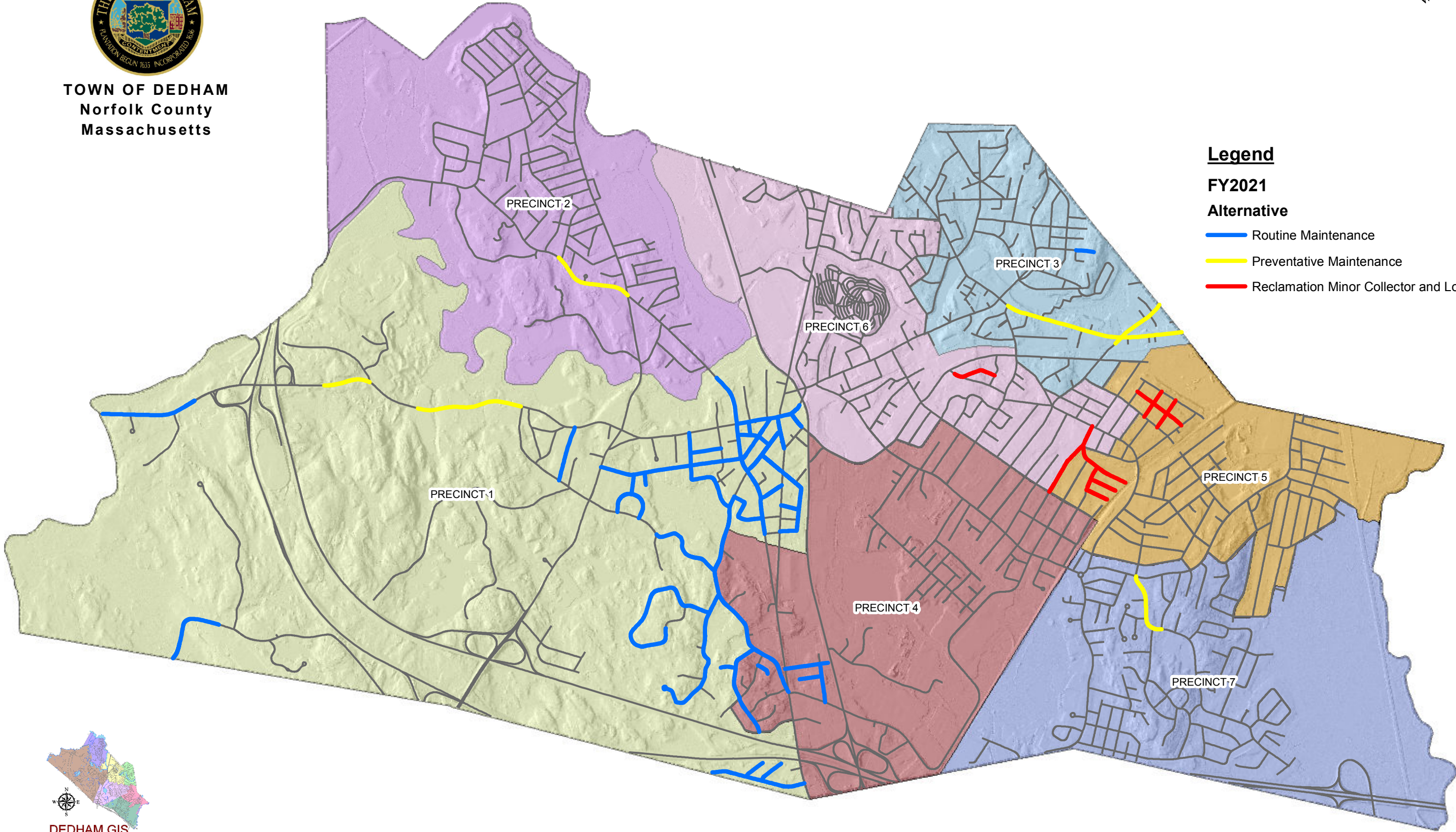
1 inch = 2,000 feet

Produced by:
The Town of Dedham
Engineering Department

PAVEMENT MANAGEMENT
FY2019 - FY2021 ROAD PROGRAM






TOWN OF DEDHAM
Norfolk County
Massachusetts

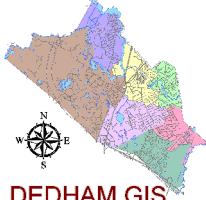


Legend

FY2021

Alternative

-  Routine Maintenance
-  Preventative Maintenance
-  Reclamation Minor Collector and Local



DEDHAM GIS

This document is intended for
Town of Dedham planning and
analysis purposes only.

1 inch = 2,000 feet

Produced by:
The Town of Dedham
Engineering Department