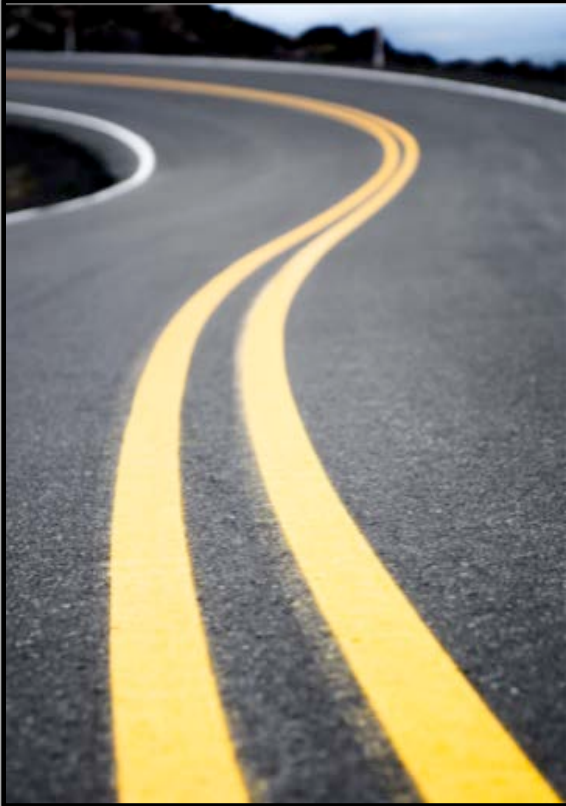




Town of Hull Department of Public Works

Proposed FY2019 – FY2023 Capital Improvement Plan

Pavement Management



- ◎ The practice of planning for pavement maintenance and rehabilitation with the goal of maximizing the value and life of a pavement network
- ◎ ***The right repair at the right time!***



Roadway Maintenance Backlog

Repair Method	Length (Miles)	Square Yards	Estimated Cost
<i>Reconstruction</i>	3.98	48,412	\$4,114,994
<i>Reclamation</i>	11.20	161,445	\$5,166,252
<i>Rehabilitation</i>	22.62	334,144	\$4,678,011
<i>Preventative Maintenance</i>	4.68	66,477	\$398,864
<i>Routine Maintenance</i>	5.16	74,712	\$37,356
<i>Defer Maintenance</i>	3.08	59,058	\$0.00
Total	50.71	744,248	\$14,395,478

Overall Network Rating = 59.51



Proposed Capital Improvement Plan

5 Year Outlook – \$10 mil Bond

Year	Length (Miles)	Square Yards	Estimated Cost
<i>Completed/Earmarked</i>	2.37	42,384	\$0
<i>FY2019</i>	4.44	78,769	\$2,040,213
<i>FY2020</i>	4.77	71,049	\$1,858,341
<i>FY2021</i>	7.18	86,126	\$1,893,291
<i>FY2022</i>	6.24	79,670	\$1,879,377
<i>FY2023</i>	4.77	66,758	\$1,882,143
Total	29.77	424,756	\$9,553,365



Proposed Capital Improvement Plan

5 Year Outlook – \$10 mil Bond (cont.)

Identified projects include curb to curb resurfacing

Other projects:

- \$500,000 for Engineering of Manomet Ave and Samoset Ave**
- Chapter 90 Funds will be utilized for maintenance of roadways**
- Nantasket Avenue Business District to be assessed for repairs**



Proposed Capital Improvement Plan

Bond Road List - Resurfacing

Road Name	Treatment	Year	Road Name	Treatment	Year	Road Name	Treatment	Year
A Street	Rehabilitation	2020	Central Avenue	Rehabilitation	2019	Highland Avenue	Rehabilitation	2020
Adams Street	Rehabilitation	2023	Clifton Avenue	Rehabilitation	2021	Holbrook Avenue	Rehabilitation	2022
Alden Avenue	Rehabilitation	2022	Coburn Street	Rehabilitation	2023	J Street	Rehabilitation	2023
Alsada Road	Rehabilitation	2021	Crest Road	Rehabilitation	2022	K Street	Rehabilitation	2023
Andrew Avenue	Rehabilitation	2020	Cross Street	Rehabilitation	2022	Kenberma Street	Rehabilitation	2020
Atherton Road	Rehabilitation	2022	Cushing Street	Rehabilitation	2022	Kenton Avenue	Rehabilitation	2022
Atlantic House Road	Rehabilitation	2020	D Street	Rehabilitation	2020	Kingsley Road	Rehabilitation	2021
Atlantic House Road	Rehabilitation	2023	Delawanda Road	Rehabilitation	2021	L Street	Rehabilitation	2019
B Street	Rehabilitation	2020	Dennis Street	Rehabilitation	2021	L Street	Rehabilitation	2023
Barnstable Street	Rehabilitation	2021	Douglas Avenue	Rehabilitation	2022	Lafayette Road	Rehabilitation	2022
Bay Street	Rehabilitation	2019	Duck Lane	Rehabilitation	2022	Lewis Street	Rehabilitation	2023
Beach Avenue	Rehabilitation	2023	E Street	Rehabilitation	2021	Logan Avenue	Rehabilitation	2021
Beacon Avenue	Rehabilitation	2022	Edgewater Road	Rehabilitation	2021	Long Beach Avenue	Rehabilitation	2023
Beacon Road	Rehabilitation	2022	Elm Street	Rehabilitation	2020	M Street	Rehabilitation	2022
Berkley Road	Rehabilitation	2022	F Street	Rehabilitation	2021	Malta Street	Rehabilitation	2021
Bluff Road	Rehabilitation	2022	Farina Road	Rehabilitation	2022	Maple Avenue	Rehabilitation	2023
Bradford Avenue	Rehabilitation	2022	G Street	Rehabilitation	2023	Maple Way	Rehabilitation	2023
C Street	Rehabilitation	2020	Gallop Hill Road	Rehabilitation	2022	Mayflower Road	Rehabilitation	2022
Cadish Avenue	Rehabilitation	2021	Glover Avenue	Rehabilitation	2022	Meade Avenue	Rehabilitation	2023
Cadish Avenue	Rehabilitation	2022	H Street	Rehabilitation	2023	Meridian Avenue	Rehabilitation	2022



Proposed Capital Improvement Plan

Bond Road List – Resurfacing (cont.)

Road Name	Treatment	Year	Road Name	Treatment	Year	Road Name	Treatment	Year
Midledge Avenue	Rehabilitation	2023	Revere Street	Rehabilitation	2020	Vautrinot Avenue	Rehabilitation	2020
Mount Pleasant Avenue	Rehabilitation	2020	Richards Road	Rehabilitation	2020	Warren Street	Rehabilitation	2021
Moutnford Road	Rehabilitation	2021	Rockaway Avenue	Rehabilitation	2021	Western Avenue	Rehabilitation	2020
N Street	Rehabilitation	2019	Rockland Circle	Rehabilitation	2022	Westminster Street	Rehabilitation	2021
Nantasket Avenue	Rehabilitation	2019	Rockland House Road	Rehabilitation	2020	Whitehead Avenue	Rehabilitation	2021
Nantasket Avenue	Rehabilitation	2022	Rockland Terrace	Rehabilitation	2022	Whola Road	Rehabilitation	2021
Newport Road	Rehabilitation	2019	Rockview Road	Rehabilitation	2021	Willow Street	Rehabilitation	2022
Newton Street	Rehabilitation	2020	Rowley Street	Rehabilitation	2021	Winthrop Avenue	Rehabilitation	2022
North Truro Street	Rehabilitation	2021	Salisbury Street	Rehabilitation	2021	X Street	Rehabilitation	2022
O Street	Rehabilitation	2022	School Street	Rehabilitation	2020	Y Street	Rehabilitation	2022
Ocean Avenue	Rehabilitation	2022	Seaview Avenue	Rehabilitation	2023			
Orleans Street	Rehabilitation	2021	Spring Street	Rehabilitation	2022			
Packard Avenue	Rehabilitation	2021	Standish Avenue	Rehabilitation	2022			
Park Avenue	Rehabilitation	2021	State Park Road	Rehabilitation	2023			
Park Avenue	Rehabilitation	2022	Summit Avenue	Rehabilitation	2023			
Point Allerton Avenue	Rehabilitation	2022	Sunset Avenue	Rehabilitation	2021			
Pond Street	Rehabilitation	2020	Telegraph Avenue	Rehabilitation	2022			
Quonset Street	Rehabilitation	2021	Tierney Avenue	Rehabilitation	2022			
Ralph Crossen Road	Rehabilitation	2021	V Street	Rehabilitation	2022			
Reef Point	Rehabilitation	2023	Valley Beach Acenue	Rehabilitation	2023			



Proposed Capital Improvement Plan

Resurfacing Types



Microsurfacing



Rubber Chip Seal



Proposed Capital Improvement Plan

Resurfacing Types



Cape Seal



Mill and Overlay



Proposed Capital Improvement Plan

Resurfacing Types



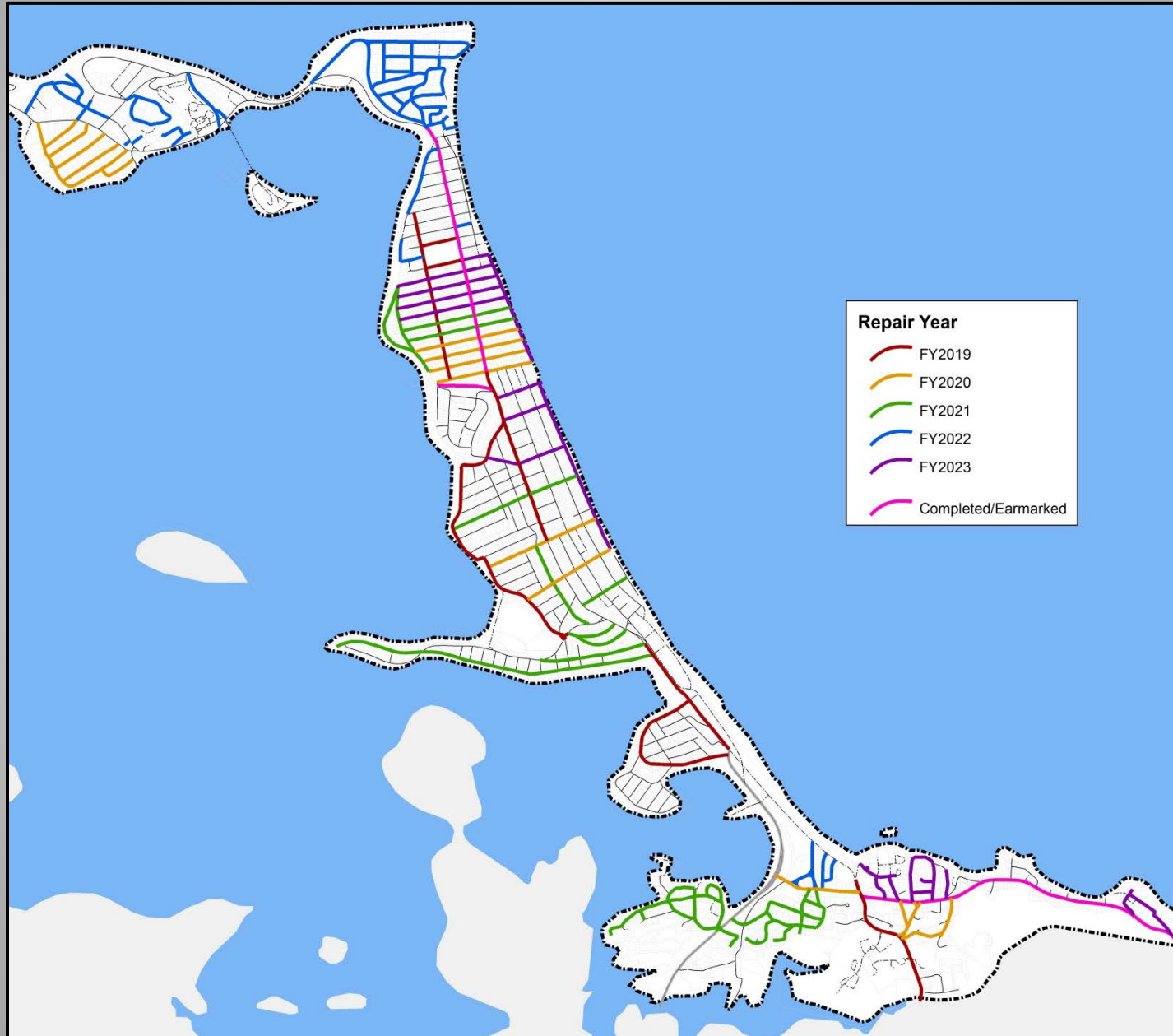
**Cold In-Place
Recycling**



**Full-Depth
Reclamation**



CIP Map



What is next?

- Debt Exclusion (Yes or No)
- Monitor 5 Year Paving Program (regardless of decision)
- Evaluate and Test Alternative Repair Methods
- Assess Avenues for Additional Funding (TIP)
- Continue to Monitor Roadway Conditions
- Plan for the Future

