



TOWN OF MAYNARD

Department of Public Works

MUNICIPAL BUILDING
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Justin DeMarco
Director of Public Works

<i>Administration</i>	<i>Cemetery & Parks</i>	<i>Facilities</i>	<i>Highway</i>	<i>Water & Sewer</i>	<i>WWTP</i>
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Memorandum

To: Board of Selectmen
From: Justin DeMarco, DPW Director
Wayne P. Amico, PE, Town Engineer
cc: Greg Johnson, Town Administrator
Date: February 4, 2021
Re: FY21 Pavement Replacement Project

Recommended Action:

Motion to execute the Department of Public Works FY21 Pavement Contract to the Project Low Bidder, Sunshine Paving Corporation, as presented.

Purpose:

Execution of the Contract with the Project Low Bidder, that will reconstruct three (3) streets within the Town of Maynard as previously discussed in a memo to the Board of Selectman dated July 17, 2020. Execution of the contract will formally acknowledge that through the use of Chapter 90 funds, and other Fiscal appropriations, the Department of Public works will continue to reconstruct its roadway infrastructure within town with the financial resources made available to the DPW.

Background:

As you are aware, the Maynard DPW has an ongoing contract arrangement with our Pavement Management Consultant, BETA Inc. (BETA) to provide as needed Pavement Management Services to the Town of Maynard. BETA previously performed a Townwide Roadway and Pavement Inventory and rated each road with a Pavement Conditions Index (PCI). Each year the DPW requests that BETA review our Roadway Pavement Management database and provide engineering recommendations for Town streets that should be repaved that year, based on; (1) available Town funding for our yearly paving program, and (2) the PCI of the streets and which streets are recommended to be mill and overlaid or reconstructed based on the overall street PCI in the Town Roadway Database.

You may recall that a roadway's pavement life has a direct correlation to the amount of roadway degradation that each road experiences. The most cost-effective approach to preserving the Towns roadway infrastructure, is to mill and overlay the roadway (or provide some other surface treatment) prior to the roadway completely failing and requiring reclamation. Replacing the top course of pavement preserves and extends the overall life of the roadway.

In the fall of 2020, DPW met with BETA, and they have developed a recommended list of roads to be paved in the 2021 Fiscal Year. Based on BETA attempting to keep the Town ahead of pavement failures, they provided a list which exceeded our available funding, but their recommended list is what is required to stay ahead of the pavement degradation curve.

Based on DPW's assessment of our current funding available for paving and roadway projects in FY2020, we have estimated we have the following approximate amounts available as of this date:

- Money from Chapter 90 FY 2020 = \$266,163
- Water and Sewer Enterprise Fund = \$16,000 (Nason Street Work only from broken water main winter 2020)
- Total estimated monies available as of this date = \$282,163

Funds available for paving in calendar year 2020 =\$282,163

Based on the available funding, the Maynard DPW bid out the streets as detailed in our July 17, 2020 memo and received the following low bid from Sunshine Paving Corporation, for the streets as listed below that align with our projected funds available:

Base Bid

Nason Street Mill and Overlay - from #12 to #42 (water main failure Winter 2020) - \$19,568.20

Brooks Street Reclamation - From Concord Street to Jethro Street - \$105,641.52

Durant Avenue Reclamation - From Dana Road to Cul-de-sac - \$76,513.02

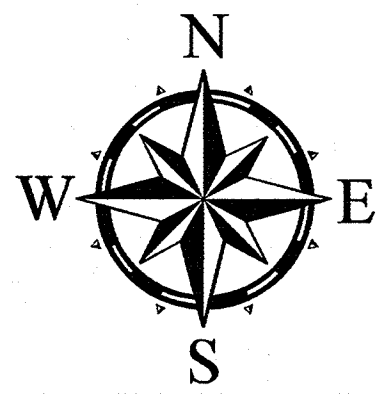
Add Alternate #1

Brooks Street Reclamation - From Summer Street to Concord Street - \$51,562.22

Contract Total as per priced from Low Bidder- \$253,284.96

If executed by the Board, the Contract with Sunshine Paving Corporation will be completed on or around June 1, 2021.

Attached to this memorandum are 2 maps. The first map, Exhibit 3, indicates the roadways on which work will be conducted this year under this contract. The second map attachment was updated by BETA in October 2020 and indicates the current state of our roadways indicated by repair Category. Note that the RED category is the worst, requiring major rehabilitation. Note that the Town of Maynard has many streets that fall into the Major Rehabilitation category, which is the costliest category. DPW asks that the Board consider this Map and the current condition of our Town Roadways when making appropriations for funding to capital infrastructure for the next fiscal year.

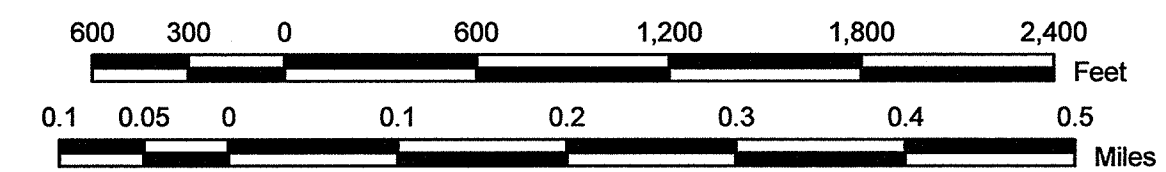


2021 Paving Map - Maynard, MA

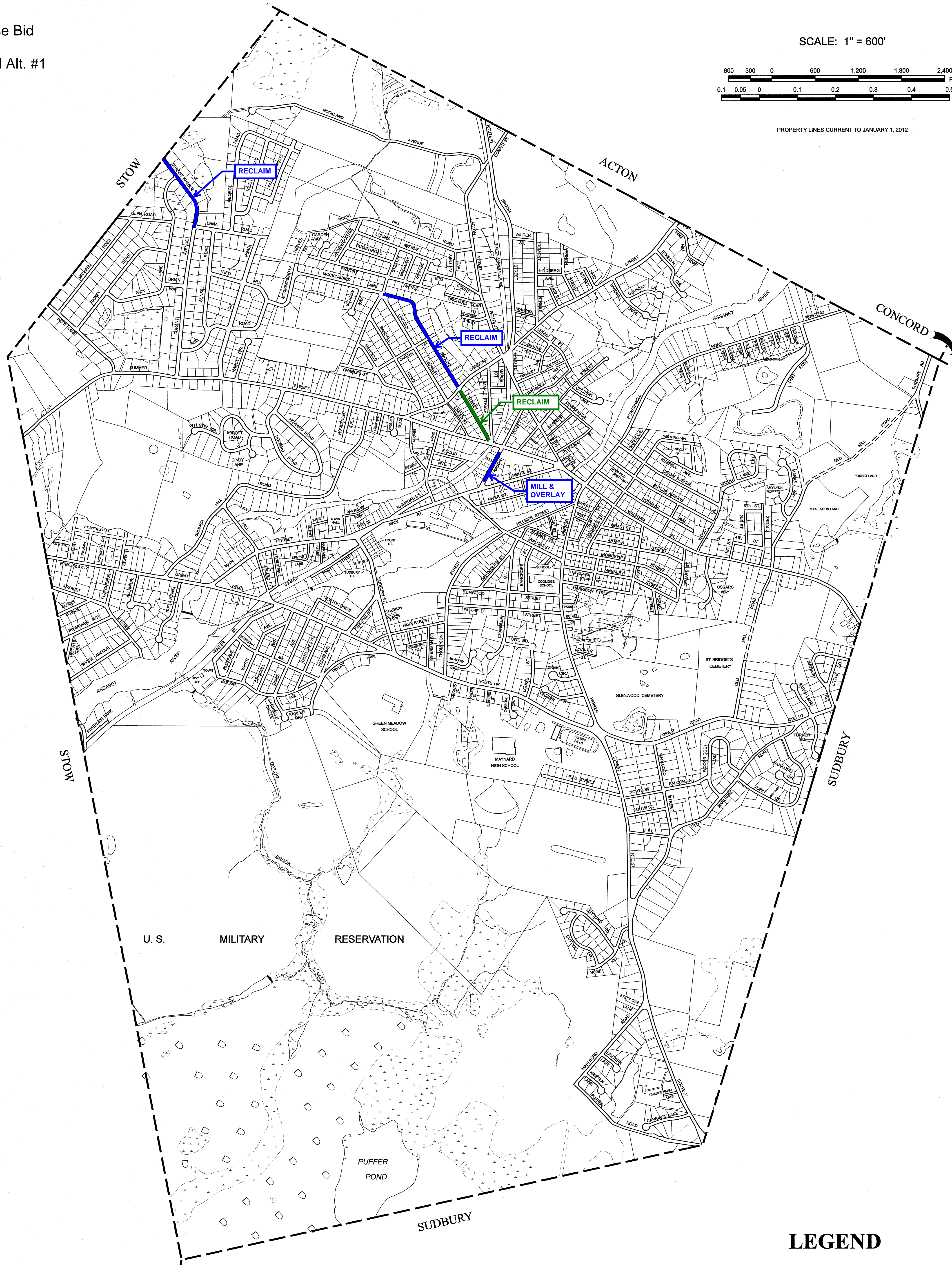
Key:

- Base Bid
- Add Alt. #1

SCALE: 1" = 600'



PROPERTY LINES CURRENT TO JANUARY 1, 2012



LEGEND

- | | |
|-----------------------|----------------|
| — PROPERTY LINE | — TOWN LINE |
| — COMMON OWNERSHIP | — ROAD |
| — RAILROAD | — PRIVATE ROAD |
| — WATER | — RIGHT OF WAY |
| — WETLAND | — EASEMENT |
| □ MUNICIPAL BUILDINGS | |

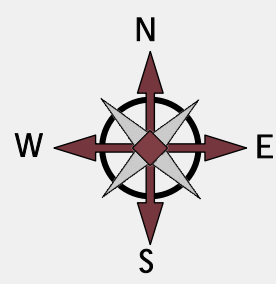
NOTES

THIS MAP IS BASED ON THE TOWN OF MAYNARD PROPERTY MAPS
 UPDATED IN 2001 BY CARTOGRAPHIC ASSOCIATES, INC.
 IT IS INTENDED FOR REFERENCE AND PLANNING PURPOSES ONLY.

PRODUCED BY

CARTOGRAPHIC ASSOCIATES, INC.

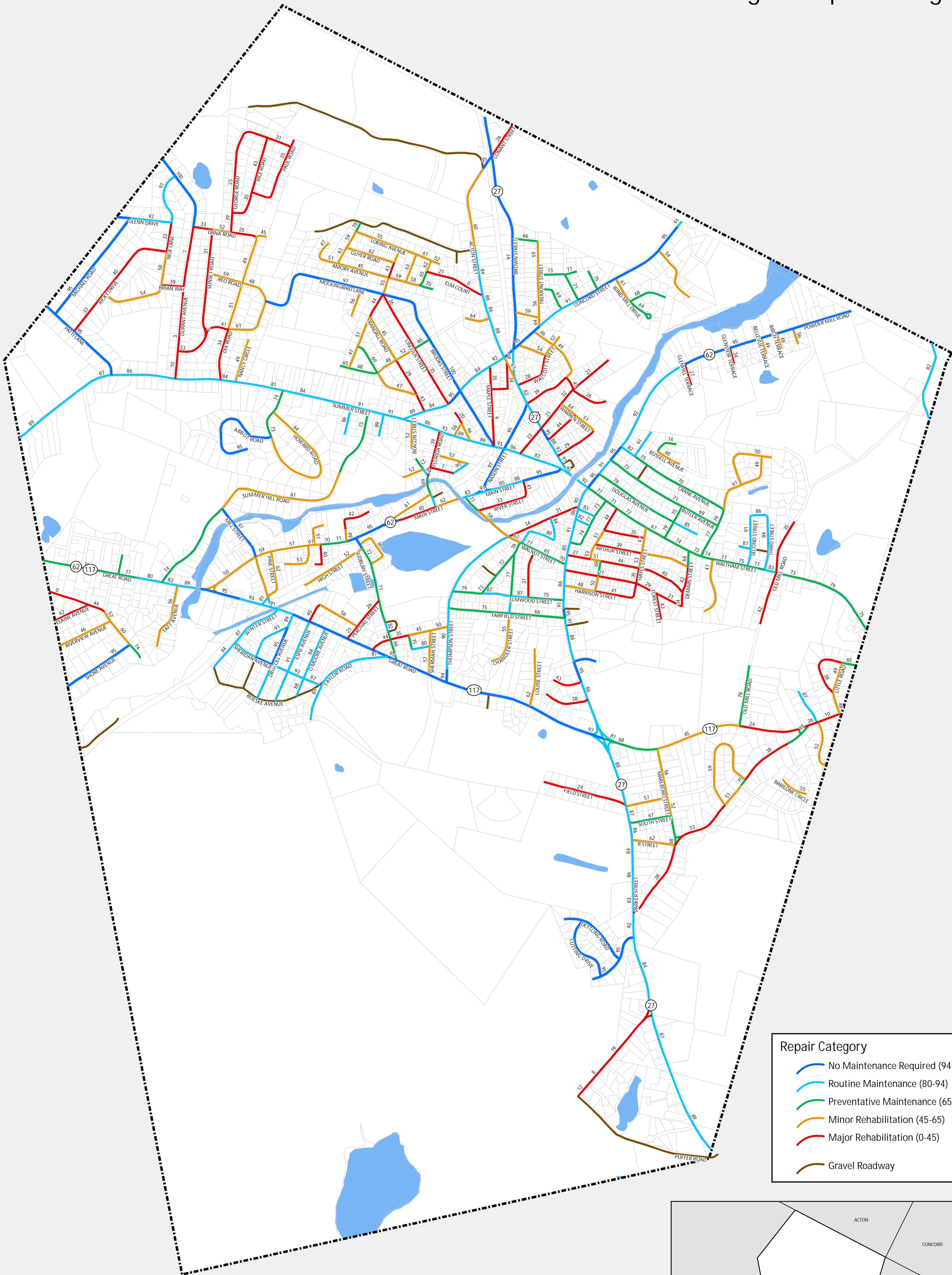
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Town of Maynard, Massachusetts

Pavement Management Program

Road Surface Ratings & Repair Category



Repair Category

- No Maintenance Required (94-100)
- Routine Maintenance (80-94)
- Preventative Maintenance (65-80)
- Minor Rehabilitation (45-65)
- Major Rehabilitation (0-45)
- Gravel Roadway

DRAFT
Issue Date: October 23, 2020
This Map is Intended for Planning Purposes Only

