

# Hubbardston Road Maintenance Plan



DPW Director Travis Brown  
Town Administrator Ryan McLane  
Fiscal Year 2021-25



# Summary

- The purpose of this report is to inform town officials and residents of the Hubbardston road maintenance plan for the next five fiscal years
- Town officials aggressively seek federal and state funding sources for road maintenance projects. This year, alternative funding sources will power the Gardner Road, Evergreen Bridget and Route 62 Culvert Projects.
- Annual road funds, commonly called Chapter 90, assist in the management of Hubbardston roads, but are not enough to maintain the 87 miles of town surfaces (80 miles paved)
- This year, Hubbardston will receive \$354,416 in Chapter 90 money from the state for road repairs.

# Considerations

- The goal of the comprehensive road maintenance plan is to maximize limited resources through cost-effective pavement management
- The town is committed to using Chapter 90 funds for road maintenance only, a practice not always adhered to by small towns
- While the plan addresses problem areas, projects are “clustered” in order to save money when bidding paving projects. This may result in some “trouble roads” not being prioritized despite obvious need
- A reserve of Chapter 90 money is maintained each year as a best practice against unforeseen costs and problems

# State-Funded Maintenance

- Route 68 North (\$4.04 million)
  - Spring 2020 – Summer 2020
- Town Center Project (\$5.45 million)
  - Estimated FY 2022-23 (subject to change)
- STRAP Grant – Lombard Road (\$1 million)
  - Spring/Summer 2021
- STRAP Grant – New Templeton/Williamsville Roads (\$1 million)
  - Spring/Summer 2023



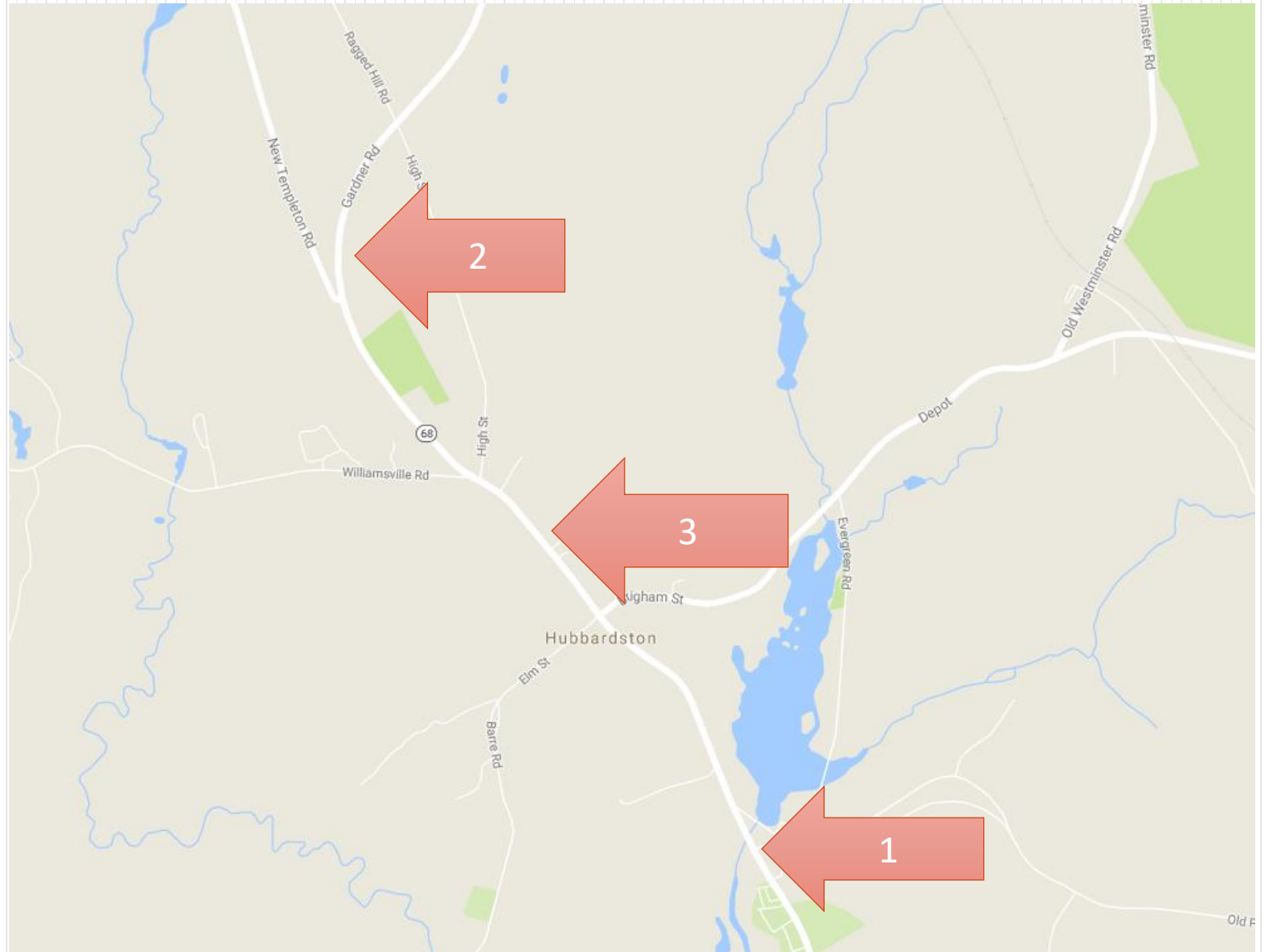
# Route 68 Reconstruction Project

The Route 68 reconstruction project is three-part project:

1.) Rutland Line to Brigham St.  
(completed 2018)

2.) Curtis Rec Field to Gardner Line  
(Summer 2020)

3.) Town Center Project  
(EST spring 2022-23)

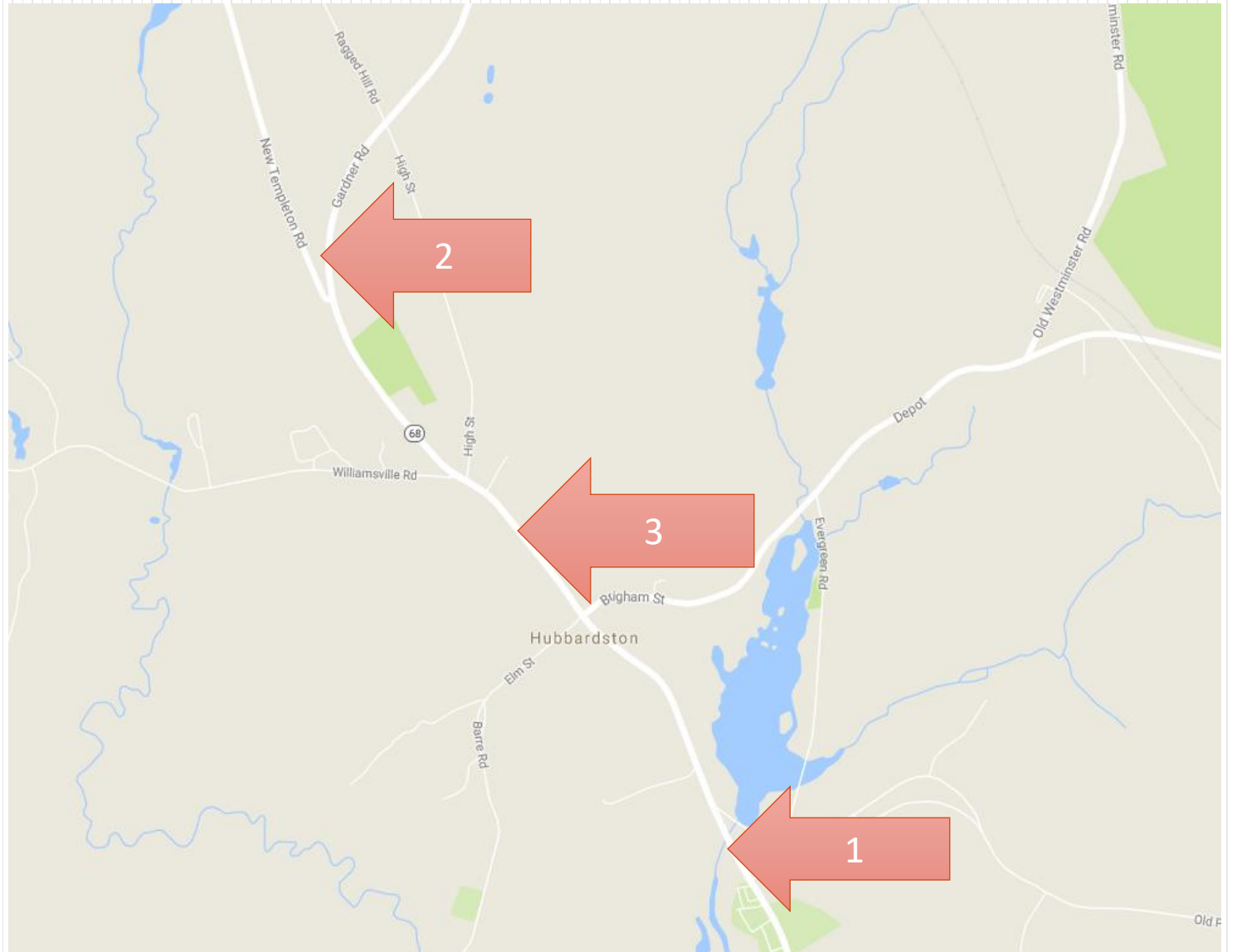


# Route 68 Reconstruction Project – Phase 1

**RUTLAND LINE TO BRIGHAM ST.**

**COMPLETED**

**WHAT:** Two-inch mill and fill  
with curbs and drainage  
reconstruction





# Route 68 Reconstruction Project – Phase 2

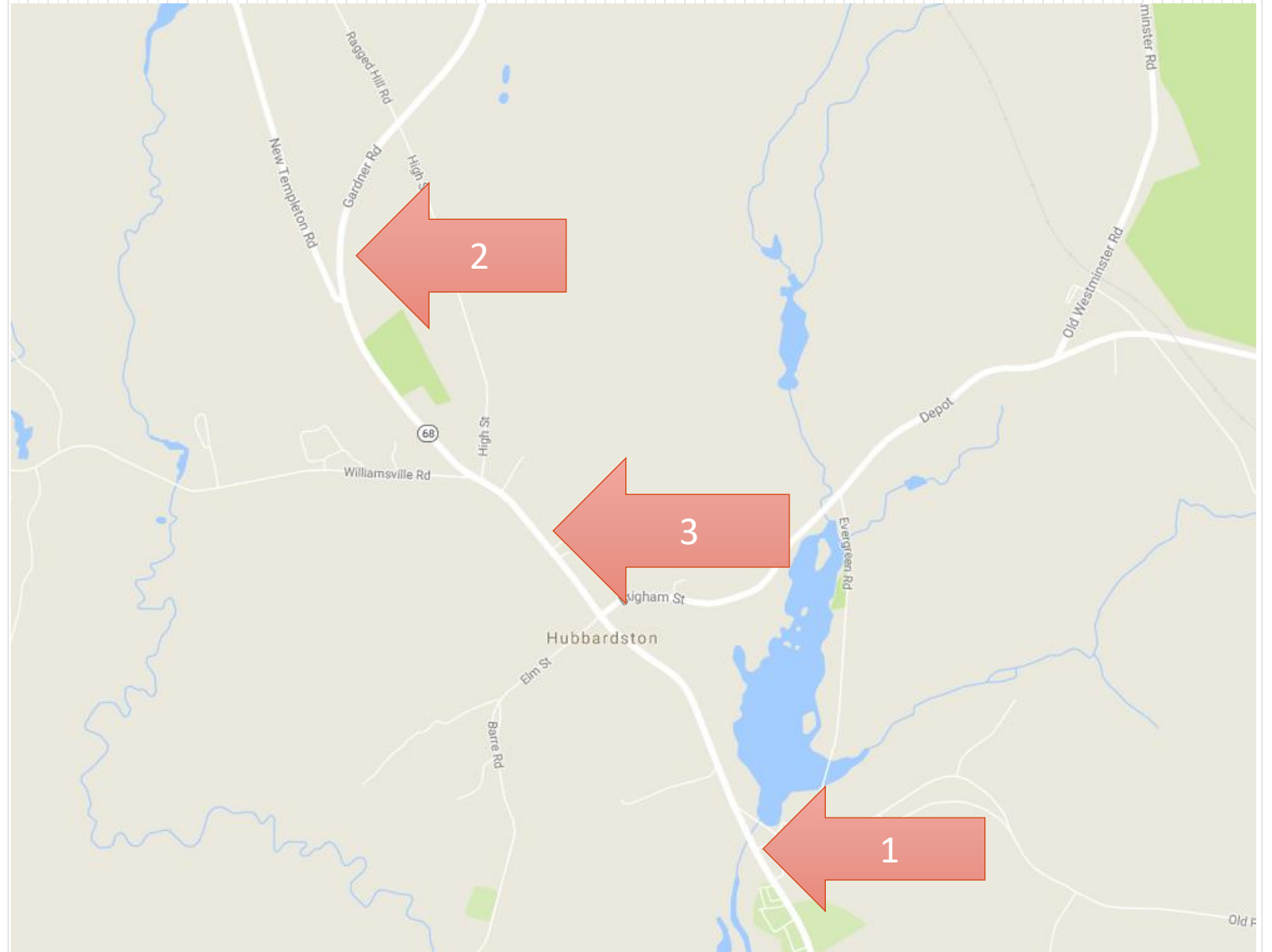
**CURTIS REC. FIELD TO  
GARDNER LINE**

**STARTS:** Summer 2020

**COMPLETES:** Summer 2020

**FUNDING:** STIP

**WHAT:** Two inch mill and fill with  
curbs and drainage  
reconstruction



# Route 68 Reconstruction Project – Phase 3

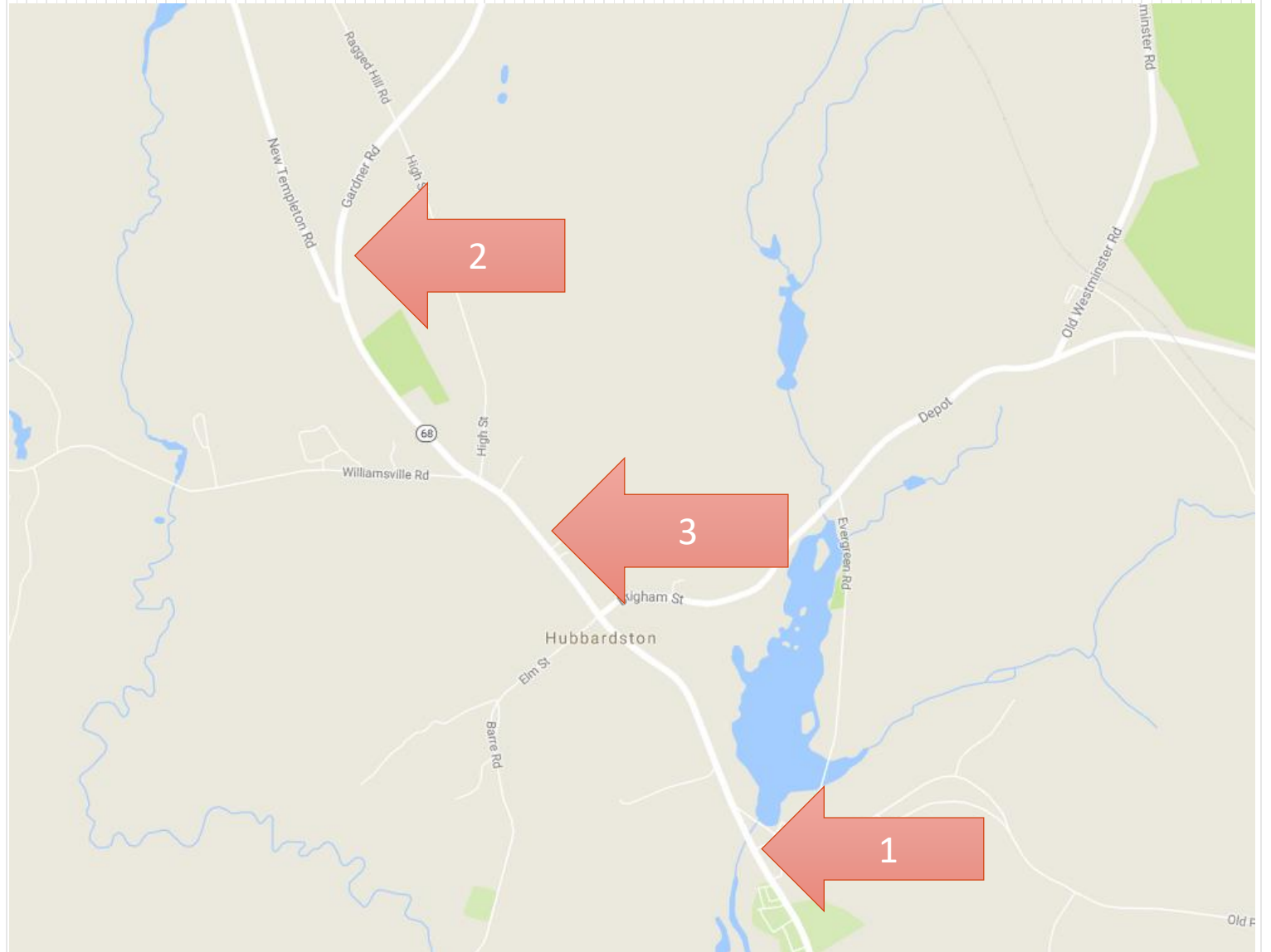
## TOWN CENTER PROJECT

**STARTS:** Estimated to begin summer of 2023 (2022 possible)

**COMPLETES:** Estimated to complete summer 2023

**FUNDING:** STIP

**WHAT:** Full service project to include road work, sidewalks, multi-use lane and additional signage





# MassWorks STRAP Grant – Summer 2021/23

- Every year the town is able to apply for a competitive Massworks STRAP Grant. These grants are essential for larger town road projects and are generally used for projects exceeding Chapter 90 capabilities
- This year, the DPW is applying for a \$1 million grant to reconstruct Lombard Road and surrounding area projects
- Potential future STRAP Grant targets include New Templeton, Williamsville, New Westminster
- These grants represent 1-3 years worth of Hubbardston Chapter 90 funds

# Lombard



# Williamsville



# Chapter 90 Road Maintenance Plan

- This plan is projected over five years to give residents an idea of timing and costs for necessary road maintenance projects
- The plan assumes current level of Chapter 90 funding
- The plan assumes the introduction of annual capital
- Projects are “grouped” in order to limit paving mobilization costs and make more attractive projects for potential bidders





# Completed FY20 Chapter 90 Project

- Morgan Road
- Underwood Road
- High Bridge Road





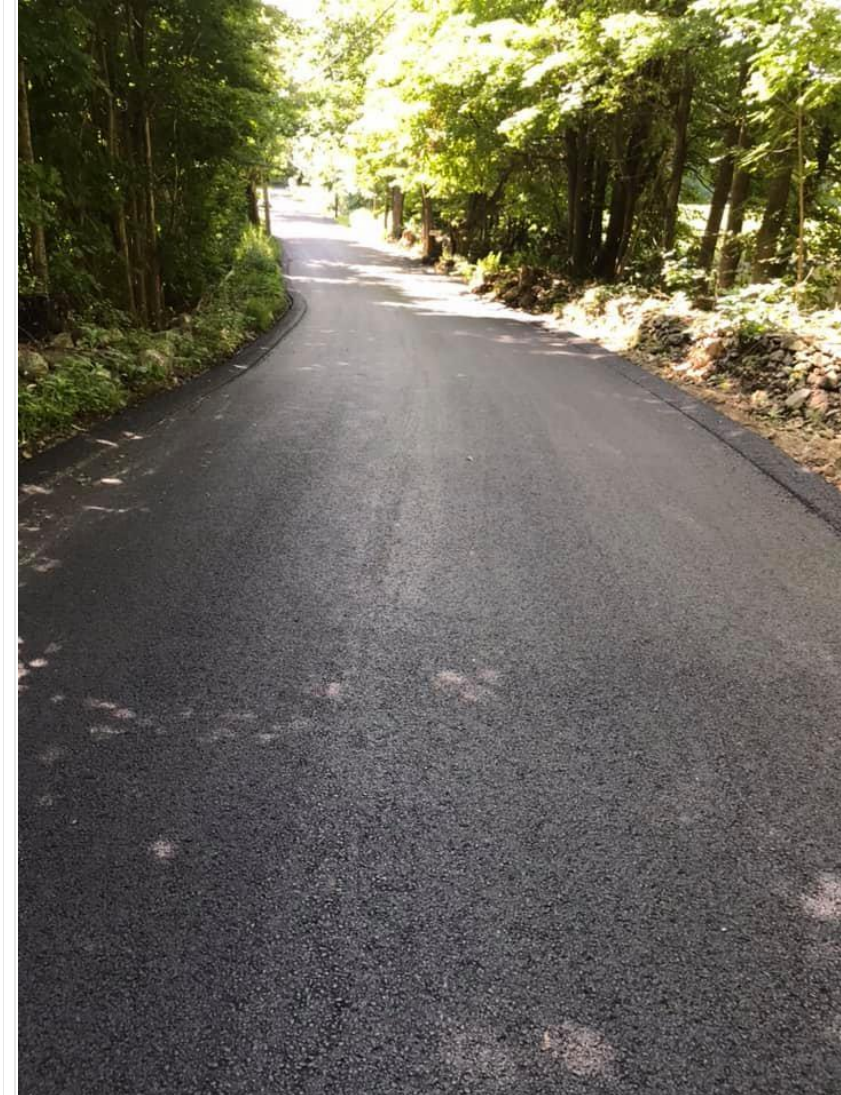
# FY20 Chapter 90 Road Project

The Morgan, Underwood and Highbridge Road Paving Project provided much needed resurfacing and maintenance to one of the more troubled surface areas in town.

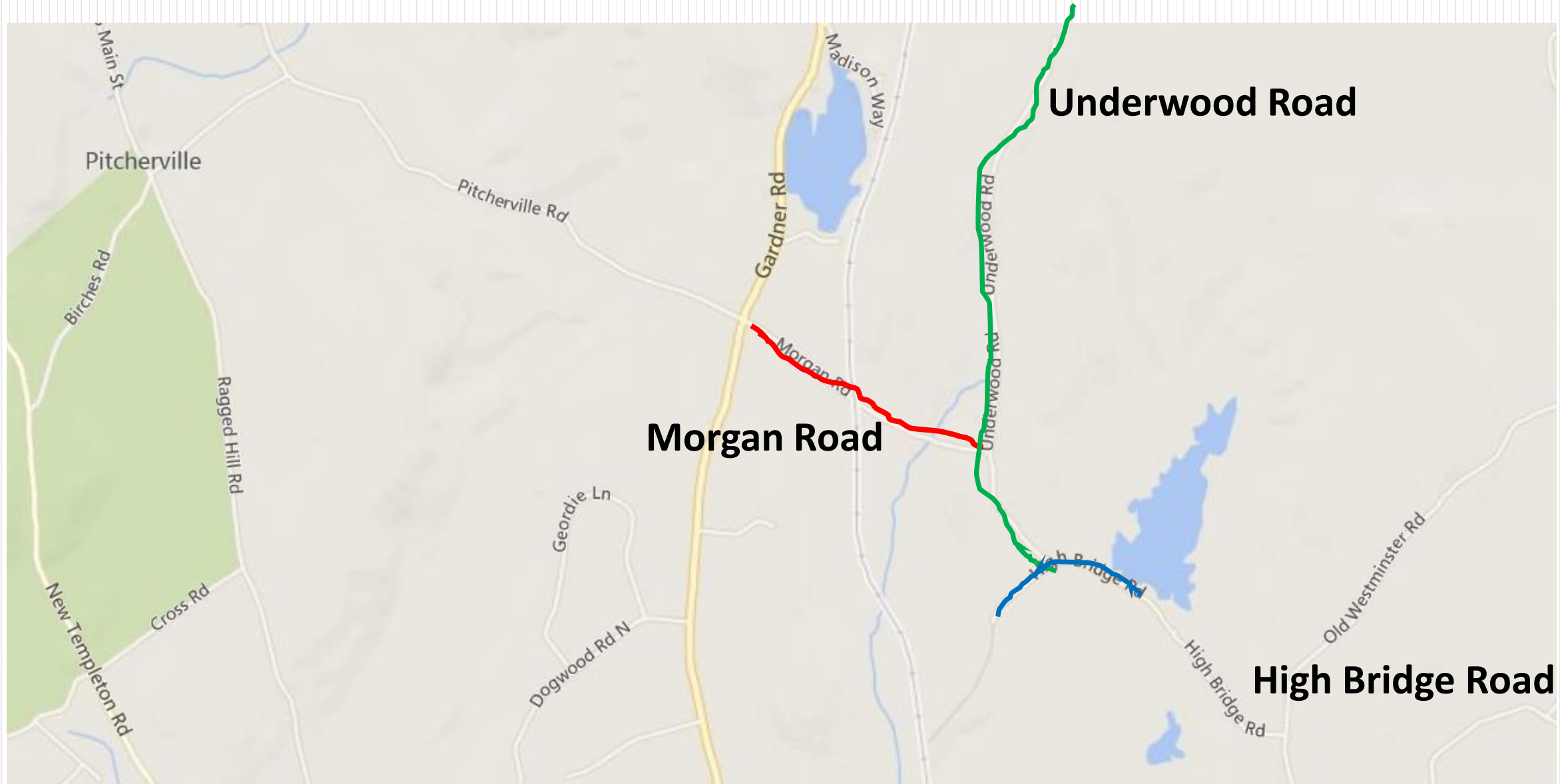
**Total Feet Paved:** 5,550' (1.05m)

**Total Feet Maintained:** 7,250' (1.37m)

***Total Project:*** 12,800' (2.42m)  
***Cost*** \$289,469



# Completed FY20 Chapter 90 Road Project





# Proposed FY21 Chapter 90 Road Maintenance Plan

- Flagg Road
  - Estimated \$198k, full depth reclamation
- Hale Road Extension
  - Estimated \$80k, full depth reclamation
- Williamsville Road
  - Estimated \$80k, Hale Road Ext. to Mount Jefferson Road
- Mount Jefferson Road
  - Estimated \$50k, from Williamsville Road to Flagg Road



# Proposed FY2021 Chapter 90 Road Maintenance Plan



# Flagg Road

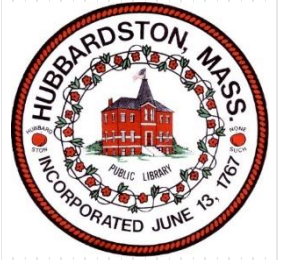


# Williamsville Road





# Proposed FY22 Chapter 90 Plan



- Williamsville Road

- Estimated \$300k, reclaim and pave 3 inches of hot mix asphalt with berm and tack coat from Kruse Rd. to the bridge at pole #149. This project cost includes basin work.

- Simonds Hill Road

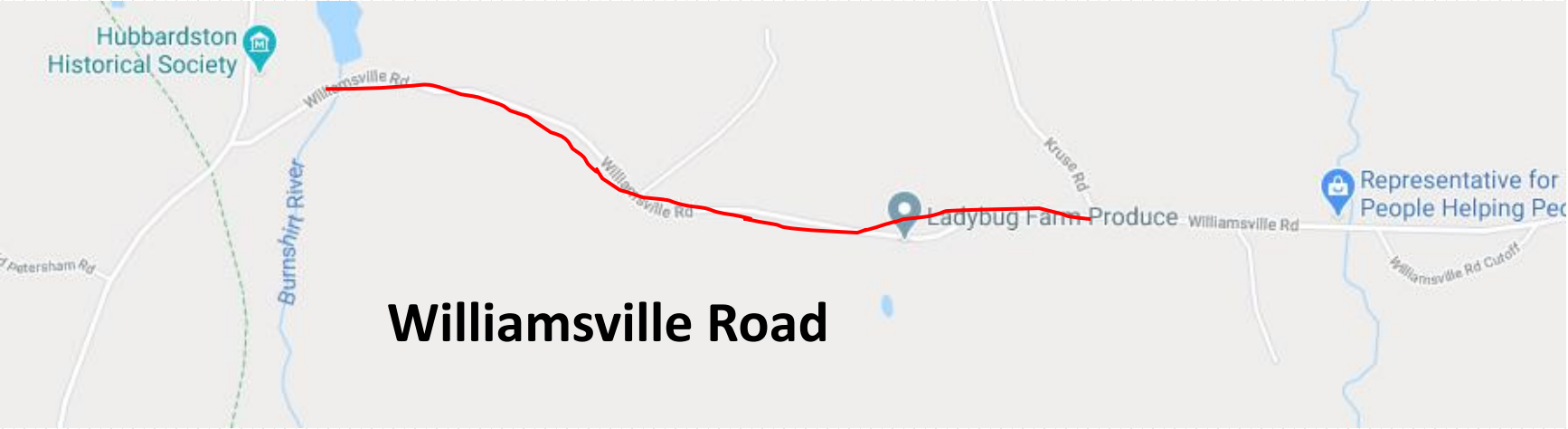
- Estimated \$108k, 20% crumb rubber application on the entire Road with a 1" hot mix asphalt leveling coat.

- Ed Clark Road

- Estimated \$41k, 20% crumb rubber application from Rt.62 to Simonds Hill Rd. and reclaim with 3" hot mix asphalt from Simonds Hill Rd. intersection to the last house.

\*\*\* Elm Street, Parsons, Barre Road, Barre Road Cutoff and Brigham moved to FY23 because of Route 62 culvert replacement detour \*\*\*

# Proposed FY2022 Chapter 90 Road Maintenance Plan



# Simonds Hill Road



# Ed Clark Road



# Proposed FY23 Chapter 90 Plan

- Elm Street
  - Estimated \$100k, reclaim and pave 4 inches of hot mix asphalt to the entire road w/basin work.
- Brigham Street
  - Estimated \$193k, reclaim and pave 4 inches of hot mix asphalt from Main St. to the bridge with berm and basin work.
- Brigham Street
  - Estimated \$50k, 20% crumb rubber from the bridge to New Westminster Rd.
- Barre Road
  - Estimated \$77k, from Twin Hill Road to Elm Street
- Barre Road Cut Off
  - Estimated \$11k, from Twin Hill Road to Elm Street
- Parsons Road
  - Estimated \$24k, full road



# Proposed FY2023 Chapter 90 Road Plan





# Brigham Street



# Barre Road Cutoff



# Parsons





# Proposed FY24 Chapter 90 Plan

- Thompson Road
  - Estimated \$237k, reclaim and pave with 3 inches of hot-mix asphalt, add berm
- Kruse Road
  - Estimated \$204k, reclaim and pave with 3 inches of hot-mix asphalt, add berm
- Root Road
  - Estimated \$83k, full road



# Proposed FY2024 Chapter 90 Road Maintenance Plan



**Root Road (to end)**

**Thompson Road**

**Kruse Road**

# Thompson Road



# Kruse Road



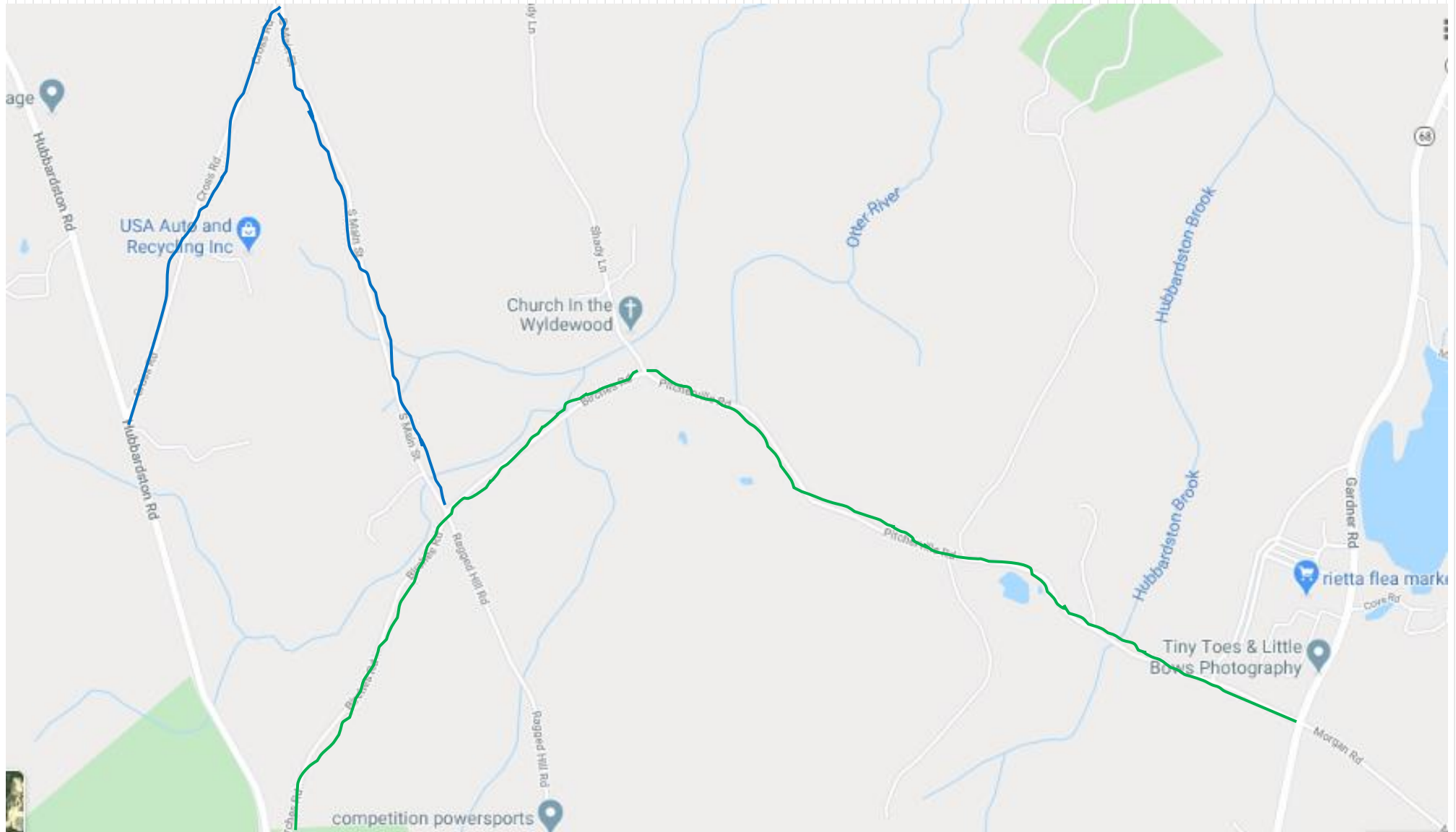


# Proposed FY25 Chapter 90 Plan

- Pitcherville Road
  - Estimated \$231k, full road
- Birches Road
  - Estimated \$94k, (paved section, add berm)
- Cross Road
  - Estimated \$106k, (New Templeton to Ragged Hill)
- Ragged Hill Road
  - Estimated \$11k, (Birches to Templeton Line)



# Proposed FY2024 Chapter 90 Road Maintenance Plan





# Pitcherville Road



# Birches Road





# Beyond 2025

- High Street (\$265k)
- Dogwood North with basins (\$180k)
- Laurel Street with basins (\$85k)
- Geordie Lane (\$110)
- Bickford, Tahanto, Forest, Brookside Drive (\$86k)
- Dogwood South with basins (\$100k)

*\* This is not in priority order*



# Ongoing Road Maintenance Projects

- **DIRT ROAD GRADING:**

- The DPW grades town dirt roads twice annually, once at the conclusion of the winter season and once in preparation for plowing season

- **POT HOLE REPAIR:**

- The DPW systematically addresses town pot holes, focusing on known road issues and responding to community concerns when possible

- **CRACK SEALING:**

- In order to prevent damage to road bases, the DPW bids out crack sealing annually. Crack sealing extends road life in a cost-effective manner. The funding for this important road maintenance measure comes from Chapter 90 funds.

- **LINE PAINTING:**

- The DPW spends more than \$30,000 annually to update road lines and markings

# Crack Sealing – New Westminster (Example)





# Final Considerations

- While there is much work necessary to complete the comprehensive road plan, the DPW is attempting to maximize local revenues by bundling projects and leverage state and federal grants
- Connectivity is an important goal of the comprehensive road plan, attempting to finish quadrants of Hubbardston roads to minimize costs
- The comprehensive road plan will be updated annually prior to the budget season conclusion to facilitate funding discussions