

Hubbardston Road Maintenance Plan

DPW Director Travis Brown
Fiscal Year 2019-2020



Summary

- The purpose of this plan is to inform town officials and residents of the comprehensive plan to repair and improve Hubbardston Roads for the next two fiscal years
- Annual road funds (commonly called Chapter 90 funds) assist in the management of Hubbardston roads, but are not enough to maintain the 87 miles of town roads (80 miles paved)
- In FY18, Hubbardston received \$356,673 in Chapter 90 monies from the state for road repairs

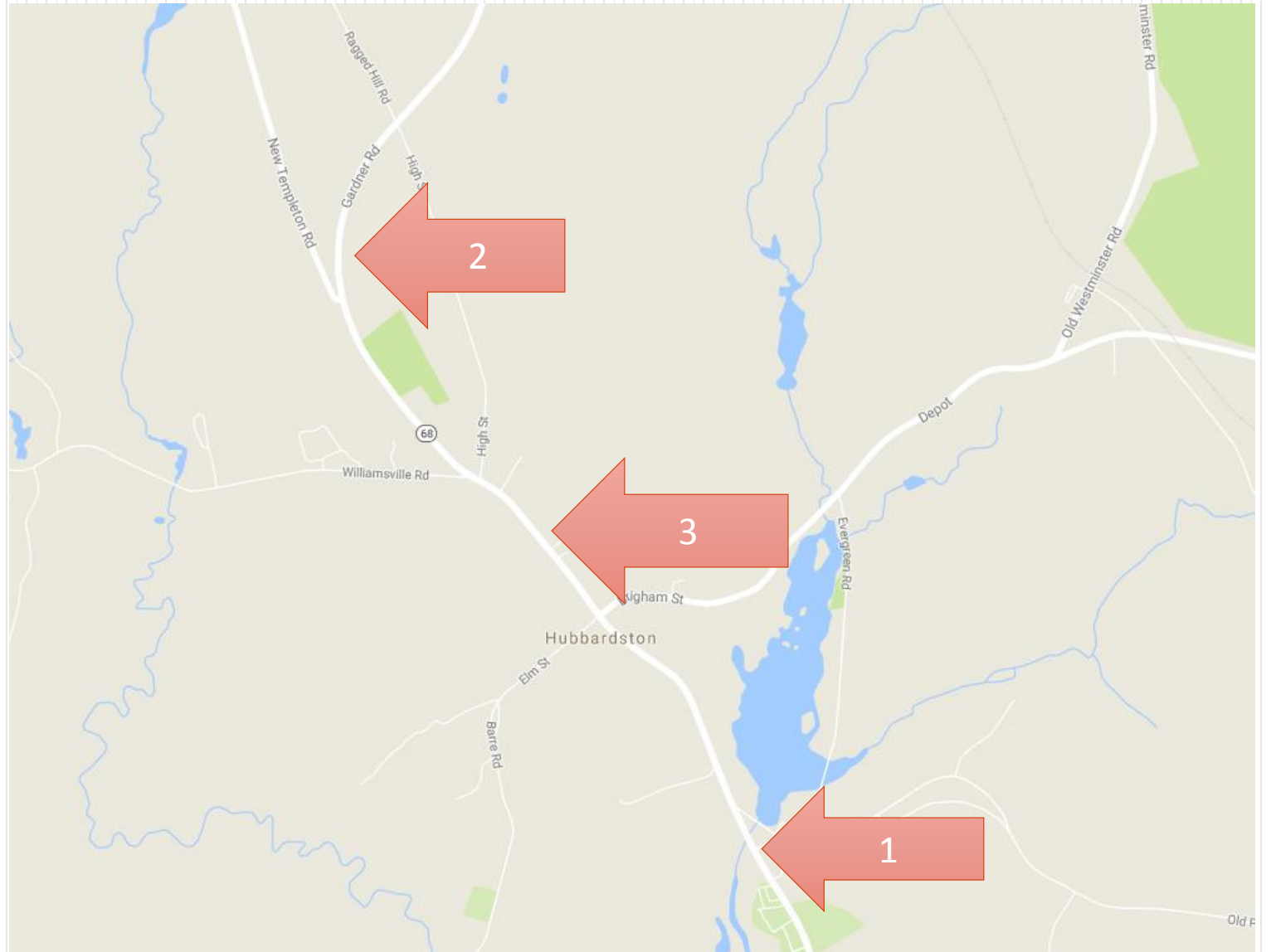
Considerations

- 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 prioritized despite obvious need
- A small reserve of Chapter 90 money is maintained each year as a best practice against unforeseen costs and problems

Route 68 Reconstruction Project

The Route 68 reconstruction project is three-part project:

- 1.) Rutland Line to Brigham St.
- 2.) High St. to Gardner Line
- 3.) Town Center Project



Route 68 Reconstruction Project – Phase 1

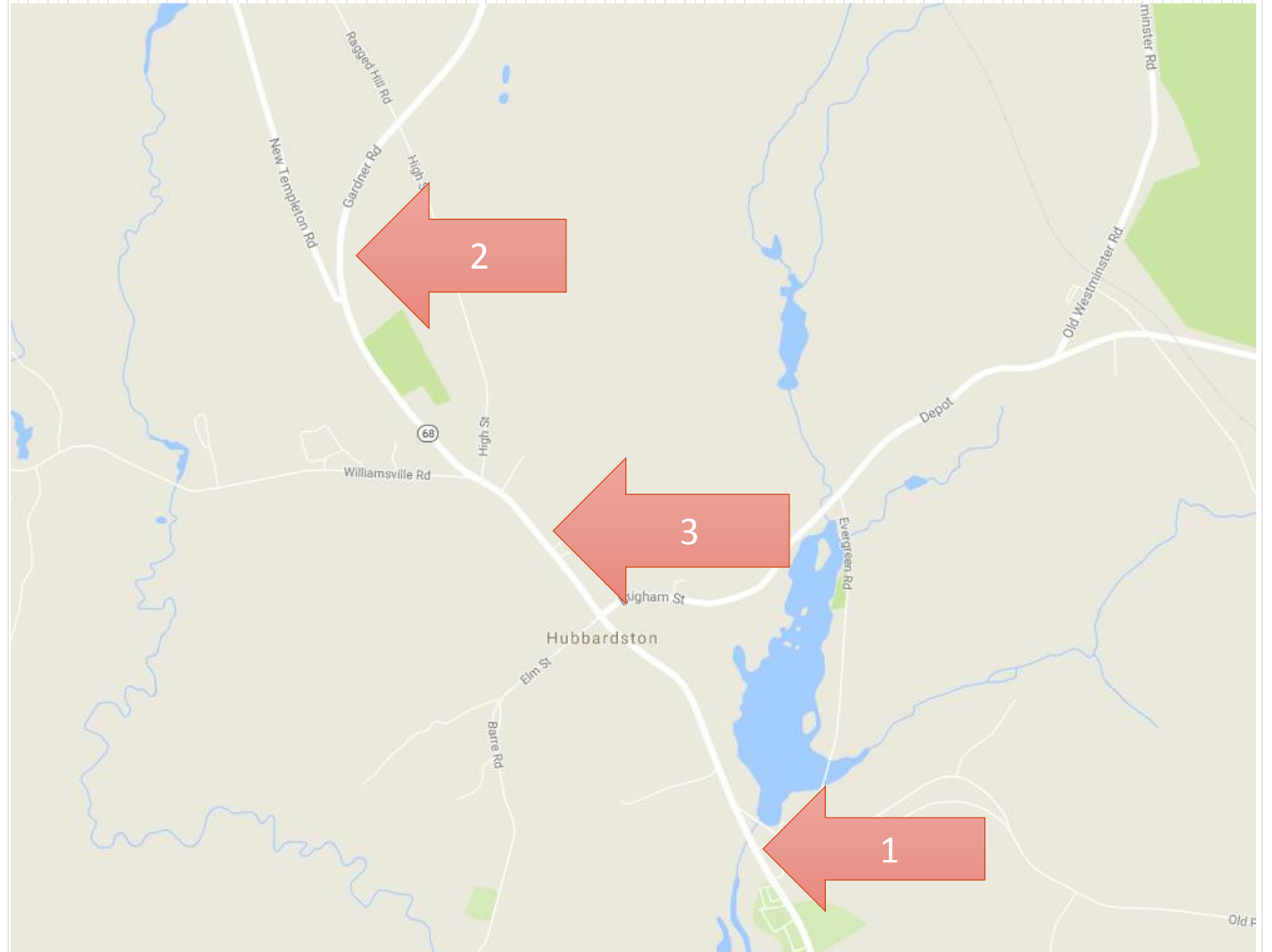
RUTLAND LINE TO BRIGHAM ST.

STARTS: June 2018

COMPLETES: Summer 2018

FUNDING: State DOT Grant

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



Route 68 Reconstruction Project – Phase 2

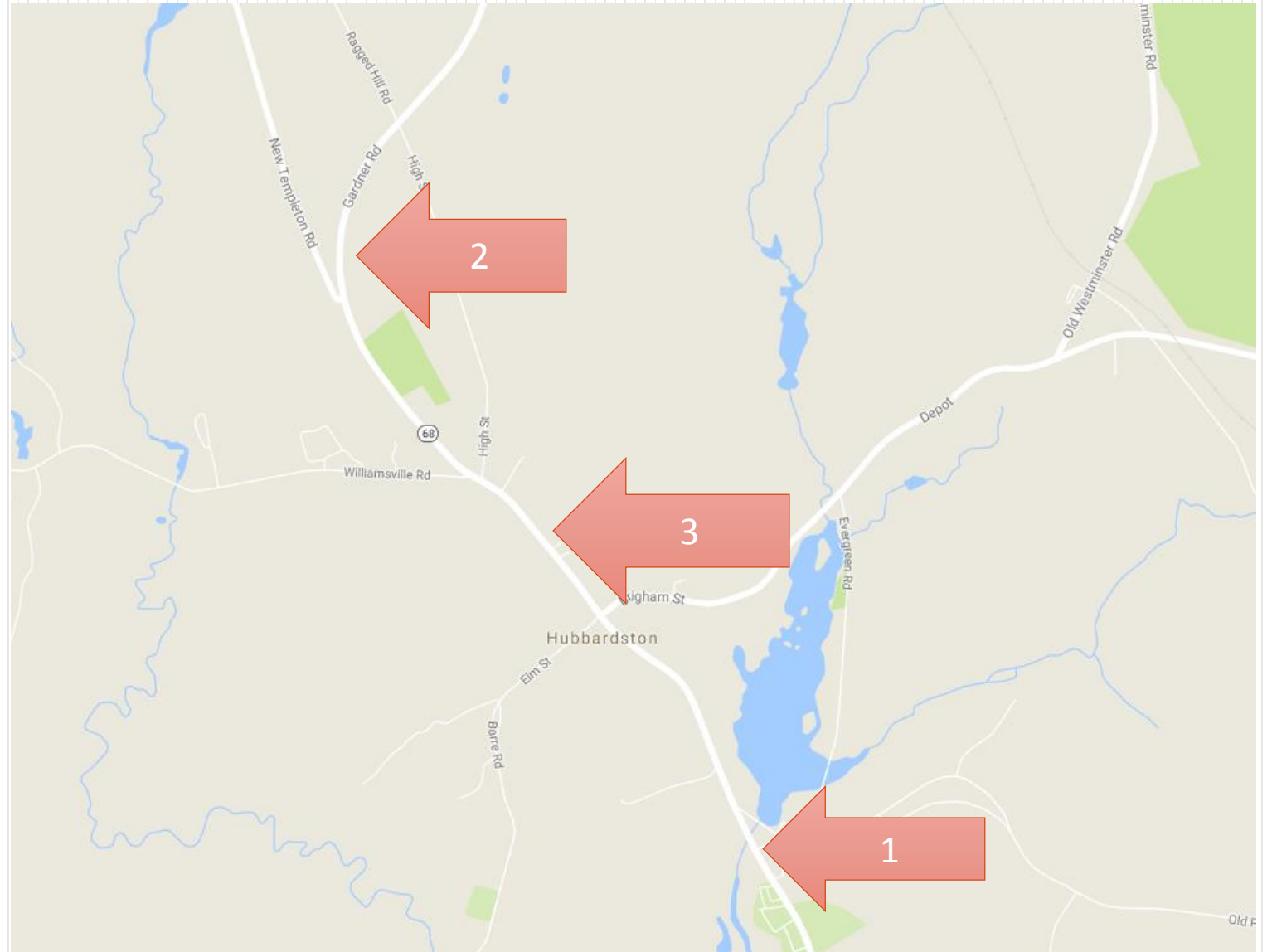
HIGH ST. TO GARDNER LINE

STARTS: Summer 2019

COMPLETES: Summer 2019

FUNDING: State DOT Grant

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



Route 68 Reconstruction Project – Phase 3

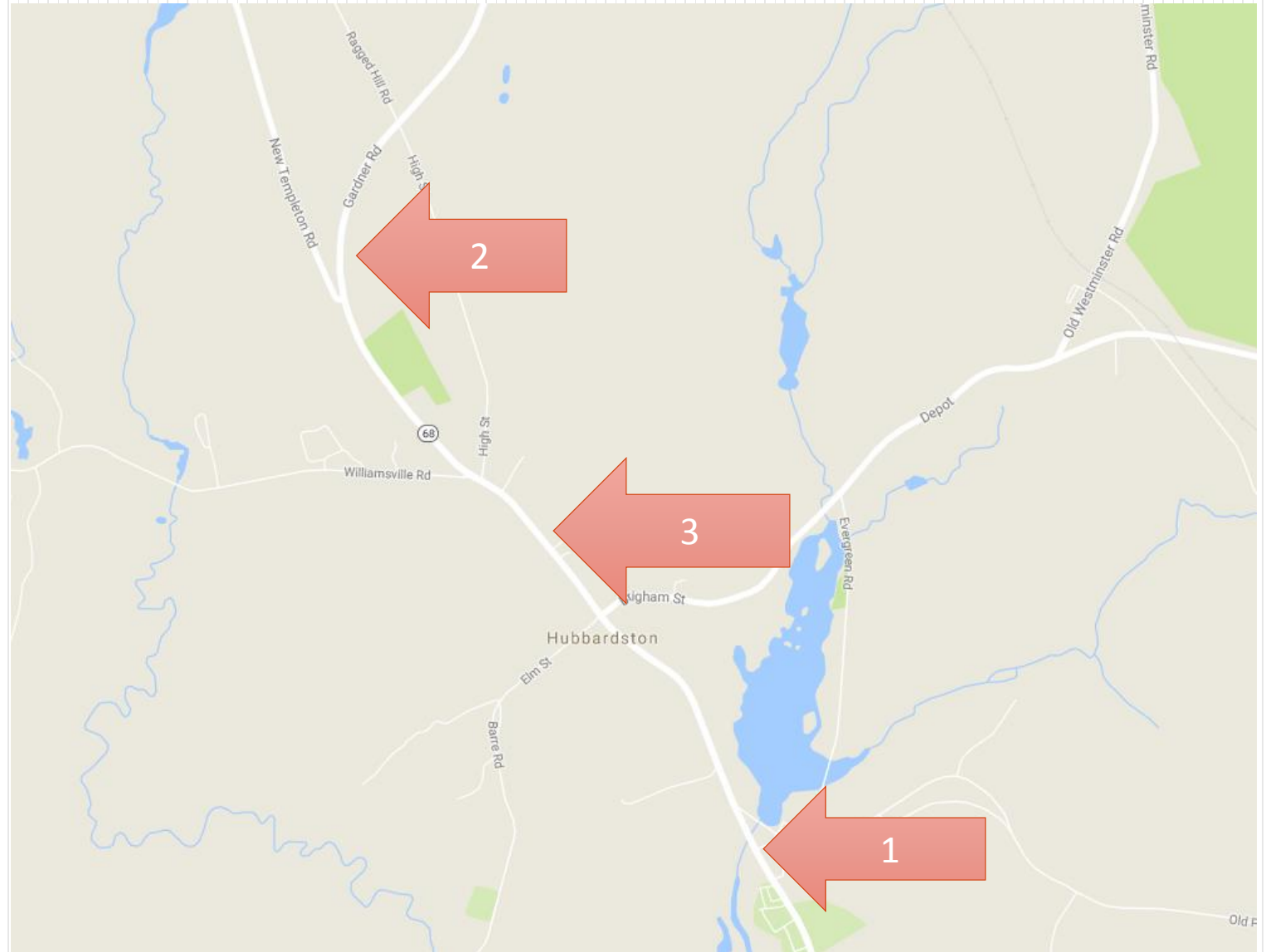
TOWN CENTER PROJECT

STARTS: Estimated to begin summer of 2020

COMPLETES: Estimated to complete summer 2020

FUNDING: State DOT Grant

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



Complete Streets Program

Currently Approved Project and Grant:

Sidewalk from High Street to the Curtis Recreational Field

Prioritized Project:

Sidewalk from Main Street down Elm Street to Hubbardston Center School



MassWorks STRAP Grant – Summer 2019

- Every three years the town is invited to apply for a Massworks STRAP Grant. These grants are essential for larger town road projects
- This year, the DPW is applying for a \$1 million grant to complete a reconstruction of Flagg Road and surrounding area projects
- These grants represent more than three years worth of Hubbardston Chapter 90 funds

Flagg Road



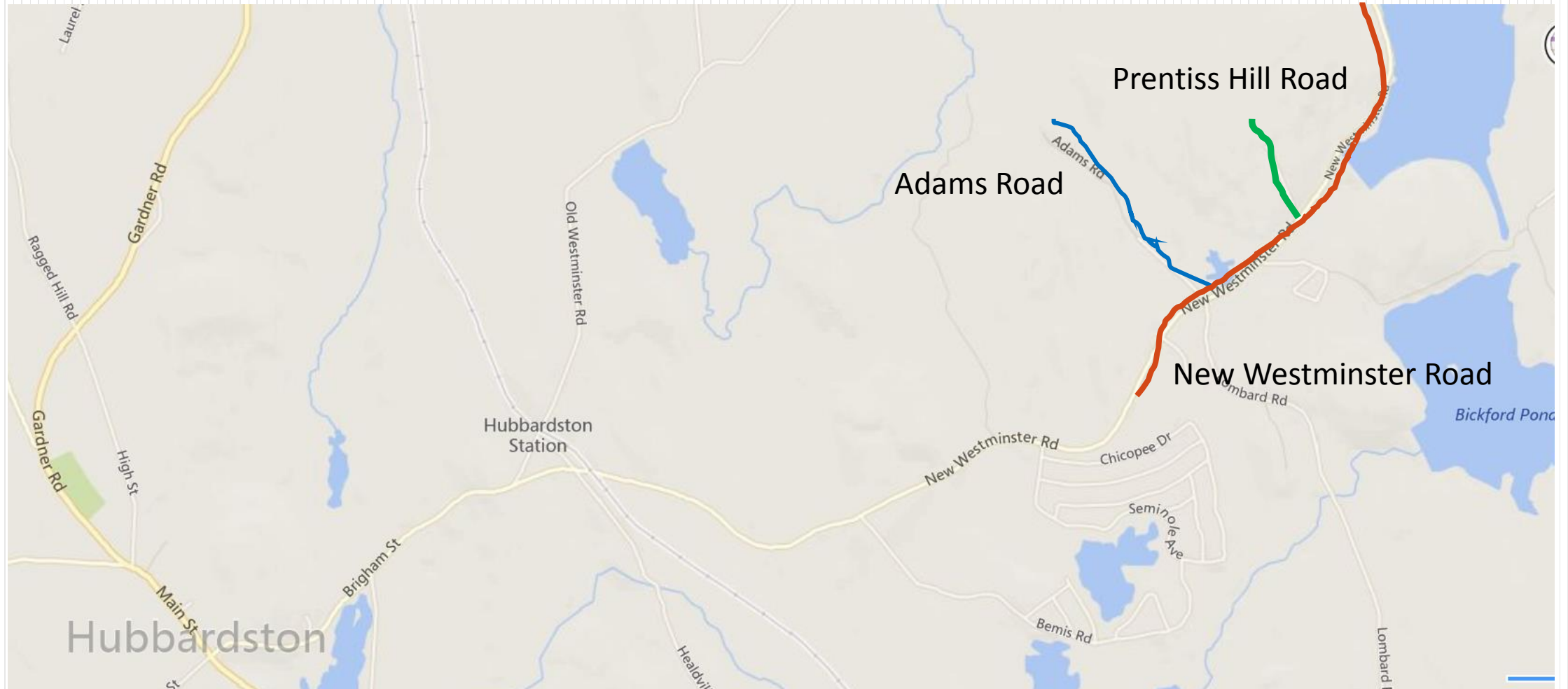
FY2019 Chapter 90 Road Plan

- Considerations for Chapter 90 money include the following:
 - Maximizing contractor cost by bundling projects
 - Fitting smaller roads into the larger reconstruction network
 - Estimates do not include culvert work and police details

Scheduled FY2019 Town Projects

- New Westminster Road
 - Estimated \$290,000 for 3" cold in place with 1.5" HMA and tack coat
- Adams Road
 - Estimated \$139,000 for a full depth reclamation (FDR) with CaCl, fine grading and 3 inches of HMA with tack coat and hard packed shoulders with berms in specific areas along hills for water control
- Prentiss Road
 - Estimated \$55,000 for FDR with CaCl, fine grading and 3 inches of HMA with tack coat and hard pack shoulders with berm in specific areas along hills for water control

FY2019 Chapter 90 Plan



New Westminster Road



Adams Road



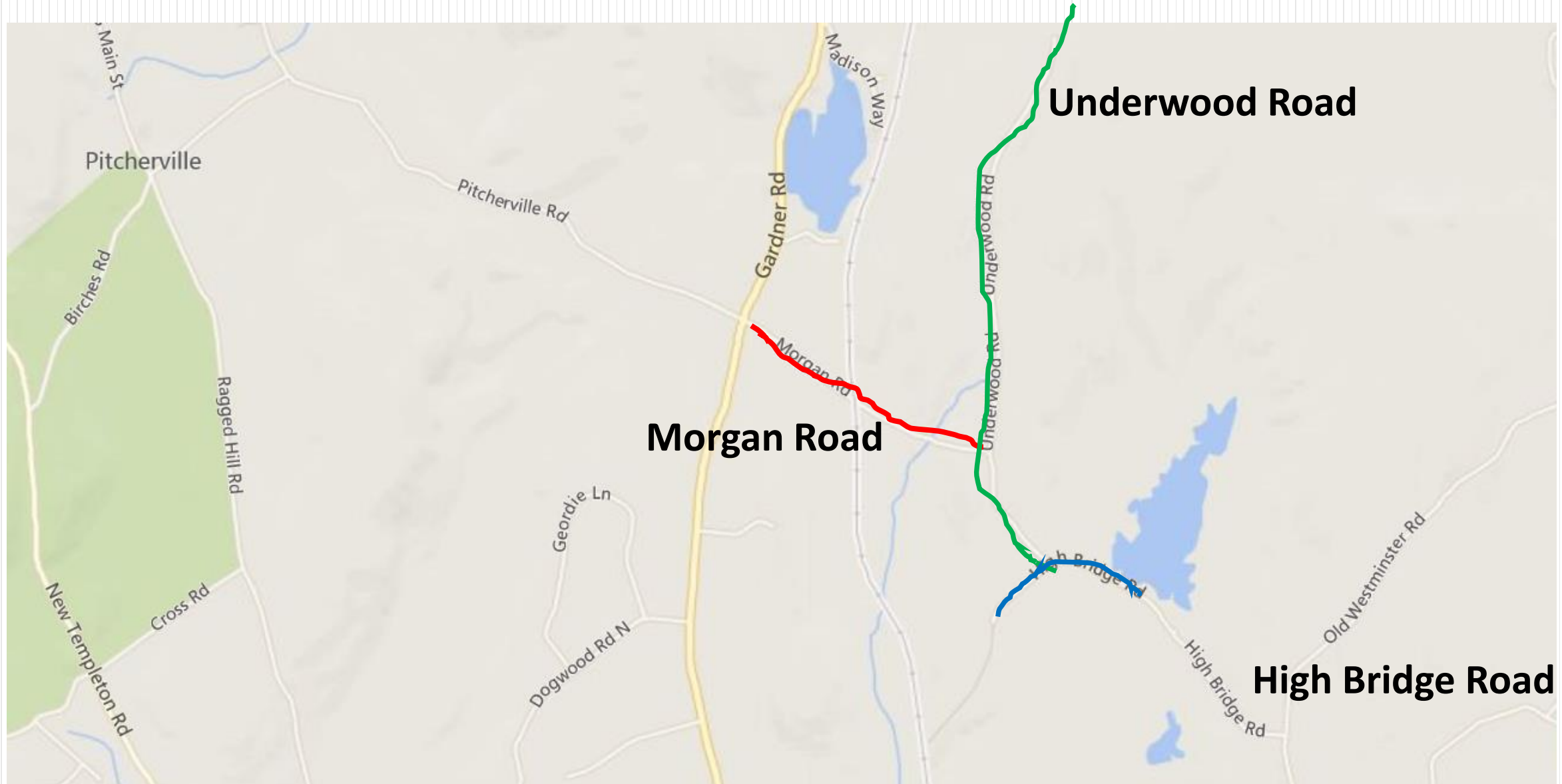
Prentiss Hill Road



Projected FY2020 Town Projects

- High Bridge Road
 - Estimated \$205,311 for FDR with CaCl, fine grading and 3 inches of HMA with tack coat and hard packed shoulders
- Morgan Road
 - Estimated \$126,600 for FDR with CaCl, fine grading and 3 inches of HMA with tack coat and hard packed shoulders
- Morgan Road
 - Estimated \$19,400 for 20% crumb rubber application (Rail road tracks to Rt. 68)
- Underwood Road
 - Estimated \$52,250 for 20% crumb rubber application

Projected FY2020 Road Plan



Morgan Road



High Bridge Road



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 the 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 West Minster (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