



Worcester Road

Roadway and Drainage Improvement Project

Presented by
Greg Russell, PE

February 13, 2023

Agenda

Project Purpose

Project Limits

Existing Conditions

Proposed Improvements

Funding Options

Next Steps

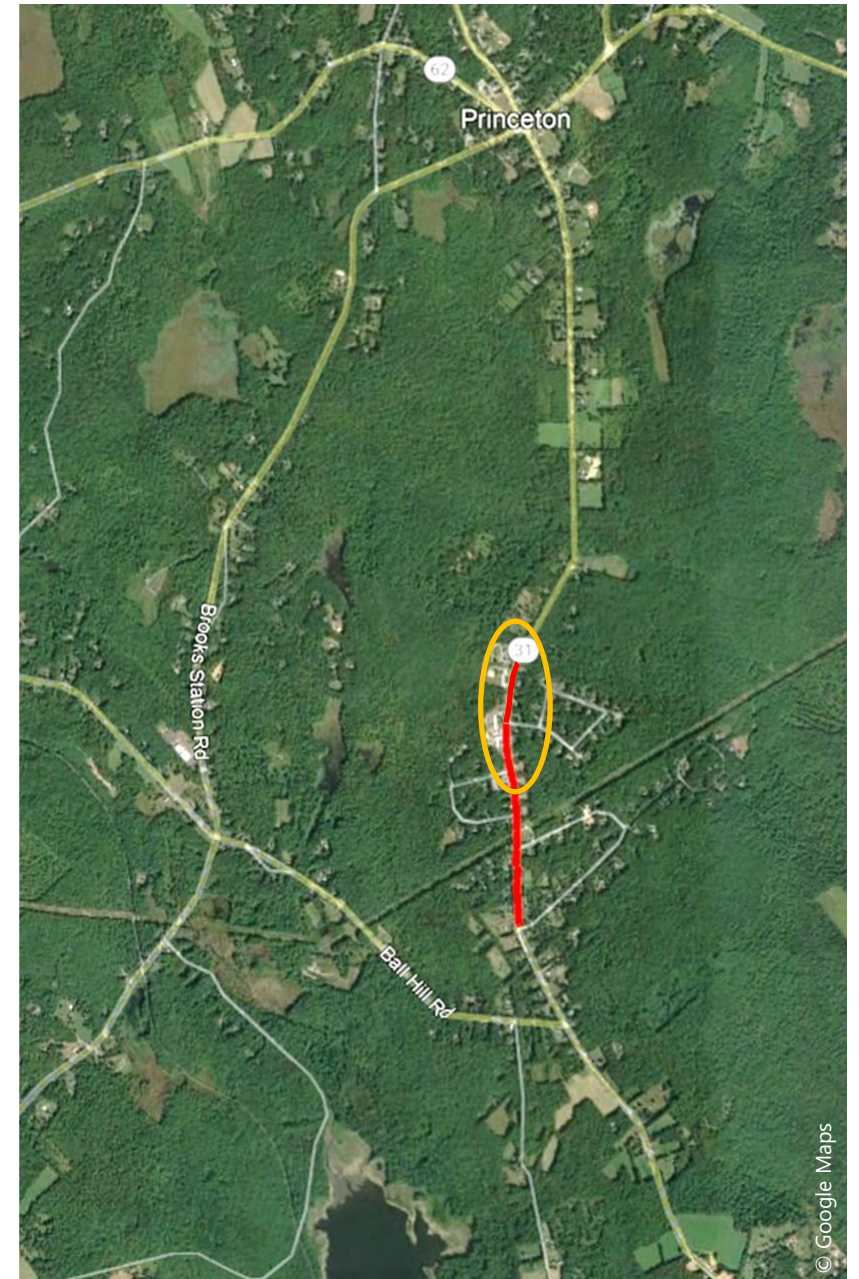
Project Purpose

The purpose of the project is the following

- Improve the existing pavement condition along Worcester Road
- Provide pedestrian connections from Hickory Drive and Sharon Drive to the local businesses along Worcester Road
- Provide limited landscape, lighting and drainage improvements where possible

Project Limits

- Worcester Road (Route 31)
 - Princeton Center to Holden Town Line (16,051 LF)
 - 4" Mill & 4.5" Overlay
 - No drainage modifications
- 4,000 LF of sidewalk construction
 - Hickory Drive (south) to Princeton Municipal Light Driveway
- Phase I
 - Post Office Plaza to Municipal Light Department



Why is the Project Needed?



- Pavement Failures
 - Longitudinal cracking
 - Stormwater undermining pavement edge



- Pavement Failures
 - Transverse cracking
 - Pavement edge failure

Why is the Project Needed?



- Undefined Roadway Edge
 - Long driveway openings in business areas



- Drainage Concerns
 - Drainage undermining roadway edge

Why is the Project Needed?



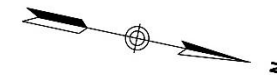
- Lack of Pedestrian Accommodations



- Degraded Roadway Edge & Underutilized Space

Proposed Improvements





Worcester Road (Route 31) Improvements

Princeton, MA | Town of Princeton



Worcester Road (Route 31) Improvements

Princeton, MA | [Town of Princeton](#)





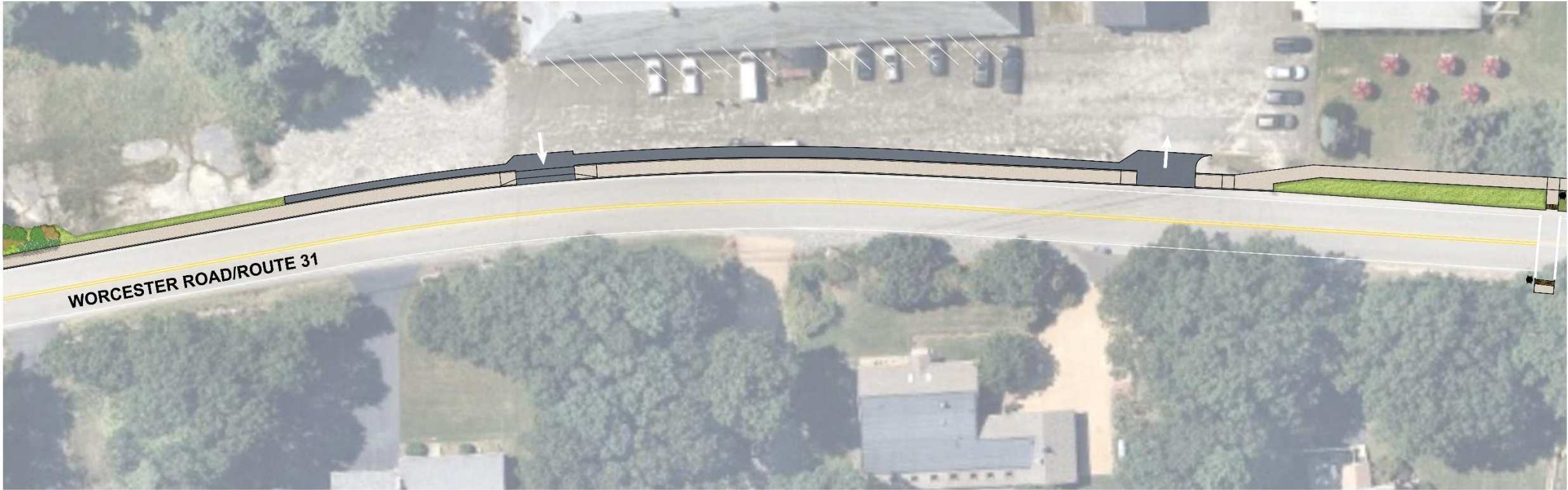
Worcester Road (Route 31) Improvements

Princeton, MA | Town of Princeton



Post Office Place – Before & After

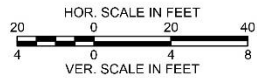
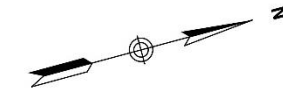




Worcester Road (Route 31) Improvements

Princeton, MA | Town of Princeton





Worcester Road (Route 31) Improvements

Princeton, MA | Town of Princeton

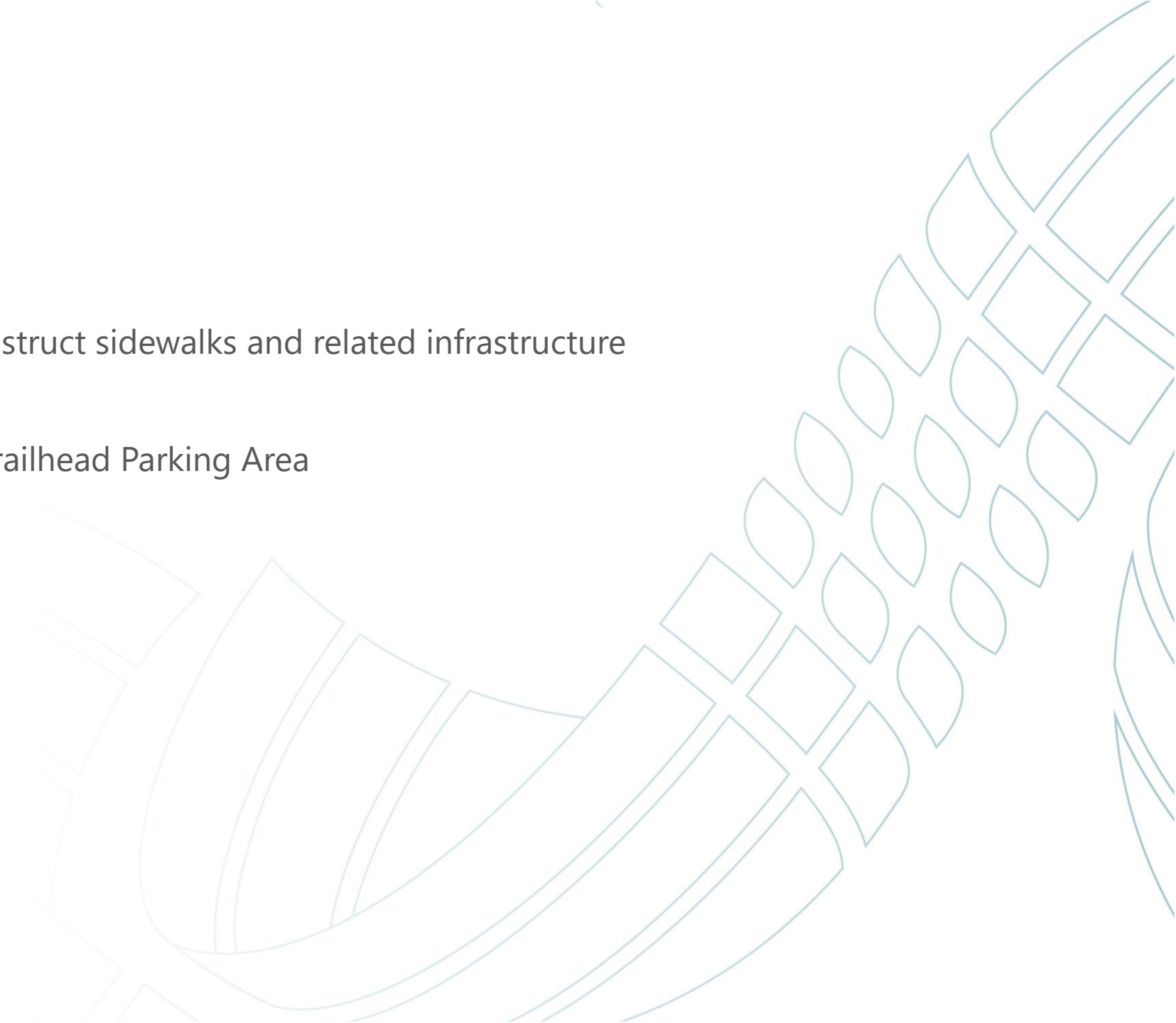
Anticipated Costs



Project Funding

Secured Funding Sources

- MassDOT Complete Streets
 - Town received \$498,003 to construct sidewalks and related infrastructure
- Town ARPA Funds
 - \$50,000 allocated by BoS for Trailhead Parking Area



Future Funding Options

- MassTrails
 - Grant period re-opens in January 2024
- MassWorks
 - Town applied for \$3.0 million with support from CMRPC and VHB
 - Did not receive due to lack of permitted development
- MassDOT Transportation Improvement Program (TIP)
 - Would require roadway to be designed to MassDOT standards
 - Previously used for a segment of Route 140
- Municipal Paving Program
 - Program has been extended through 2026
 - 1.2-mile portion of Route 140 has been accepted for funding in FY2024

Project Costs

- Total Project Cost as originally designed: \$5 million to \$6 million
- Hickory Drive to Princeton Municipal Light Driveway: \$2 million to \$2.75 million
- Reduced sidewalk scope (Post Office Place to Princeton Municipal Light): \$500,000 to \$600,000

Next Steps

- Verify Preferred Option & Confirm Funding
- Environmental Permitting (Option Specific)
- Finalize Design
- Advertise Project for Construction
 - Construction to be completed by Fall 2024

Questions??

A stylized globe with latitude and longitude lines, rendered in various shades of blue. The globe is positioned on the right side of the slide. Surrounding the globe are several leaf-like shapes, also in shades of blue, some appearing to be part of a larger plant structure.