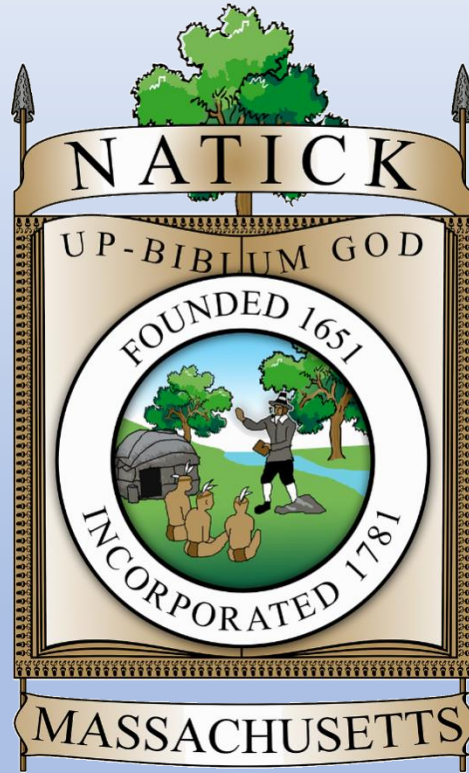


# **Town of Natick**

## **Department of Public Works**



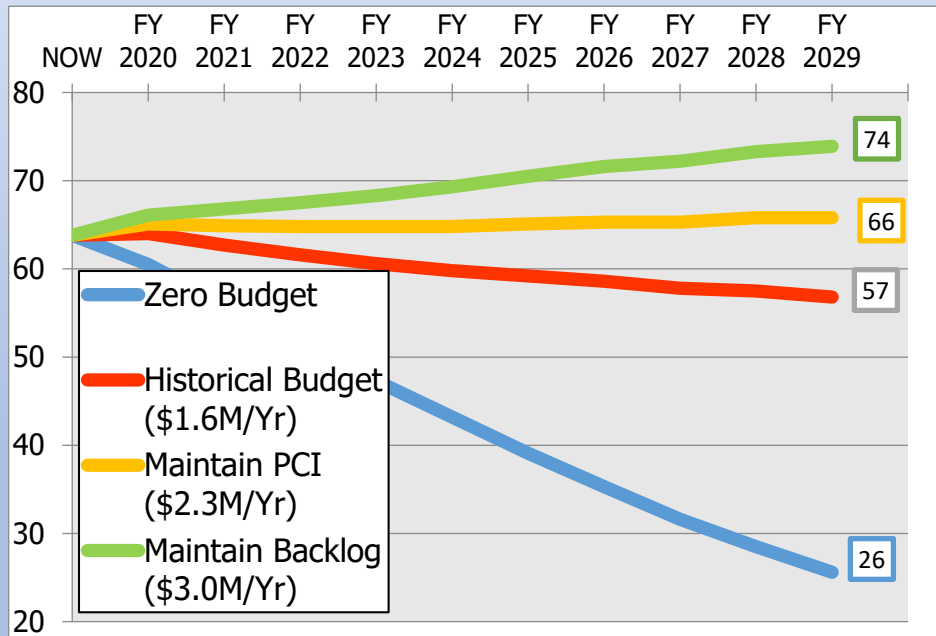
## **Five Year Roadway Improvement Plan**

**March 6, 2021**

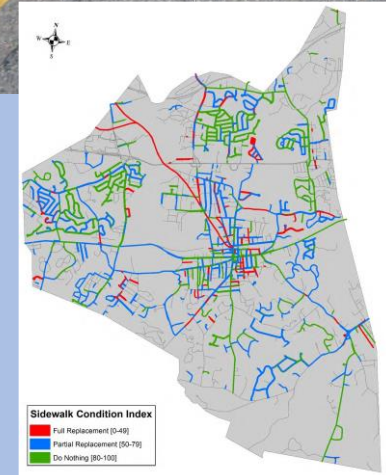
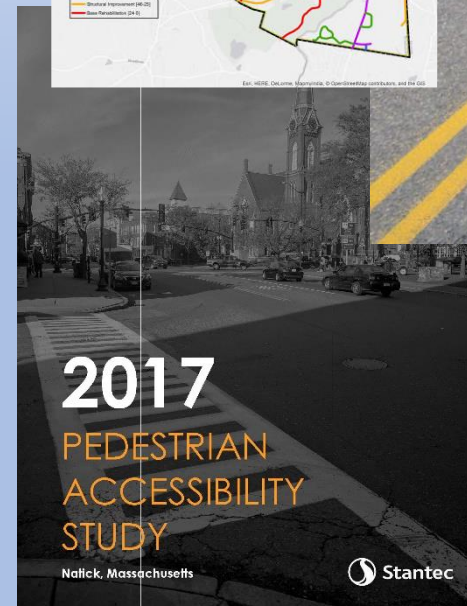
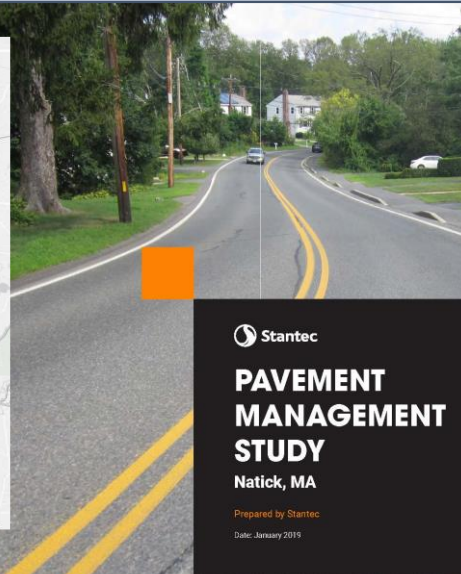
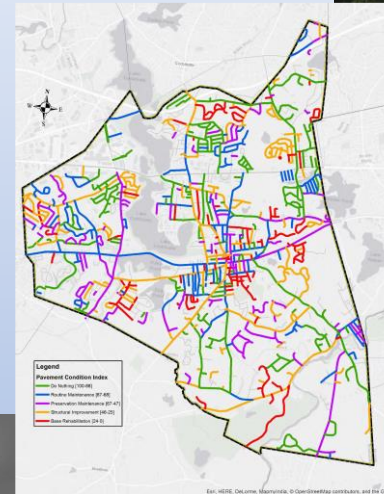


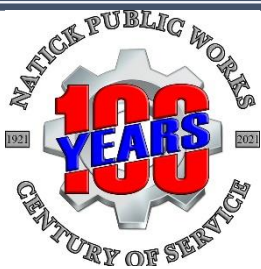
# Pavement Management Program

- 2019 Pavement Management Study
- 2017 Pedestrian Accessibility Study



Annual Funding Target	
Pavement	\$2.8M
Sidewalk	\$700k
Total	\$3.5M

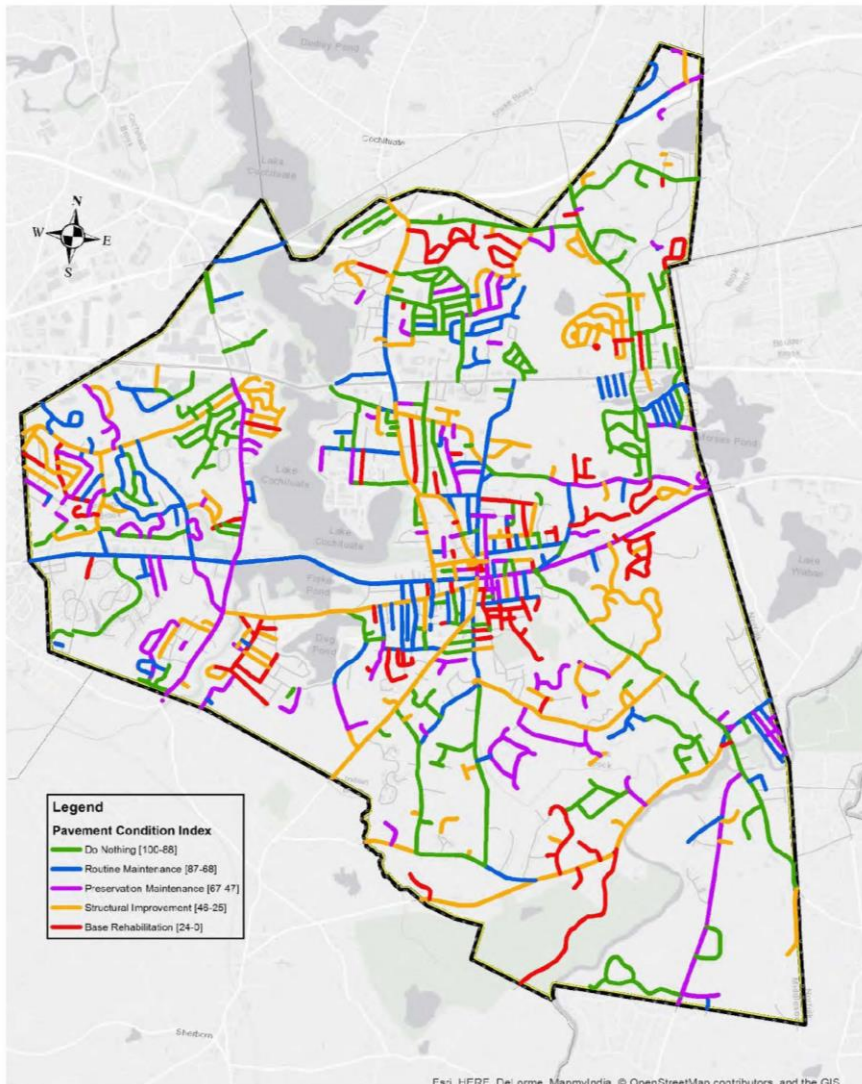




# Pavement Management Program

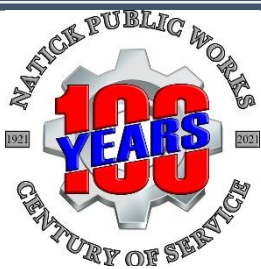
## Roadway Profile

**Townwide Pavement Conditions**



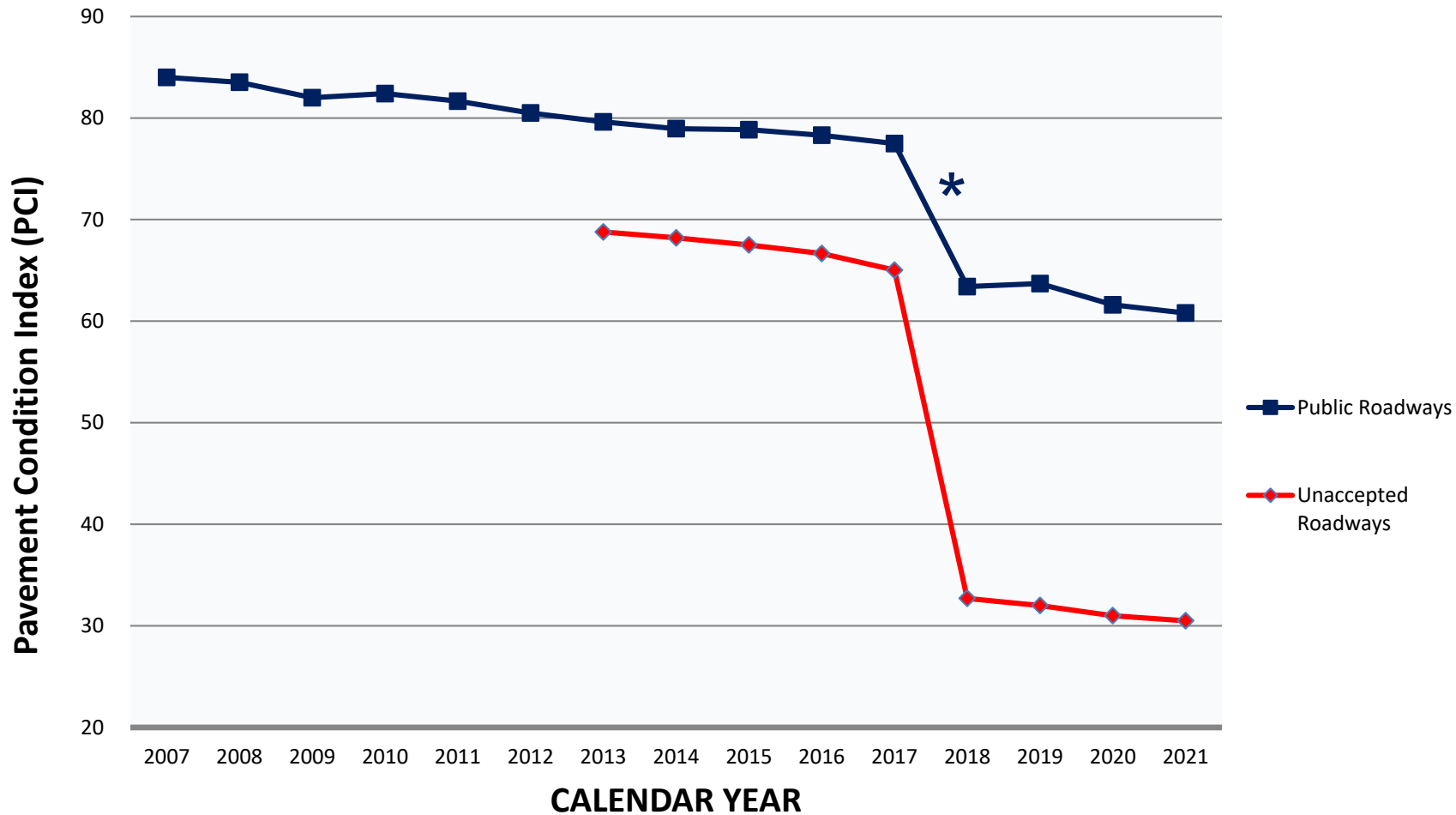
Type	Miles
Public Roadways	128.1
Public Sidewalks	149.7

Type	#
Wheelchair Ramps	1,550
Ramps likely not ADA Compliant	74%



# Historical Pavement Condition

## ROADWAY CONDITION TREND

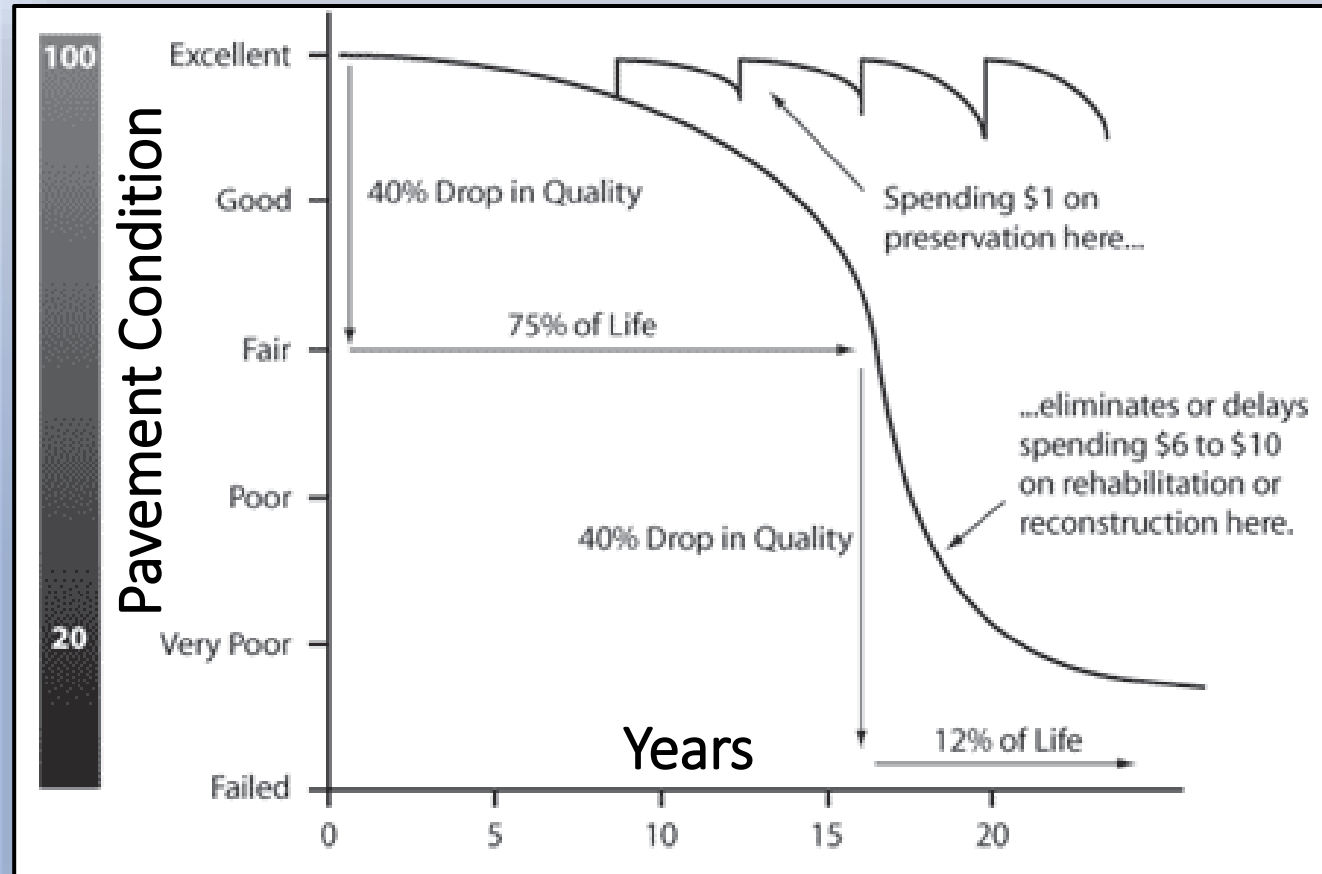


\* Reset from 2019 Pavement Management Study



# Pavement Management Overview

- 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!
- It is more cost effective to keep good roads in good condition



“The Life of a Road”





# Five-year Roadway Improvement Plan Work Completed

## **2018 Statistics**

20 Streets, 2.9 miles - \$1.9 Million

Cottage Street, 1.2 miles -

## **2019 Statistics**

17 Streets, 4.5 miles - \$2 Million

## **2020 Statistics**

22 Streets, 4.74 miles - \$2.5 Million

Bennett Hemenway Elementary School Parking

Preventative Maintenance - Crack Sealing 10 Streets

Sidewalk and Ramp Replacements - Natick Center and Walnut Street

Washington Avenue, 0.5 miles - \$1.75 Million

South Main Street, 1.4 miles - \$4.6 Million



# Five-year Roadway Improvement Plan

## Work Program for 2021

### Proposed this Year

*20 Streets, 3.37 miles - \$2.8 Million*

- Vetted with Transportation Advisory Committee and Safety Committee
- Coordinated with water/sewer and natural gas
- Full width rehabilitation/reconstruction (sidewalk, WCRs, curbing)

Avon Street

School Street

Garfield Street

Common Street

Morse Street

Sheridan Street

Lincoln Street

Lincoln Street Ext

Bacon Street (east end)

Lincoln Circle

Allen Street

Park Street

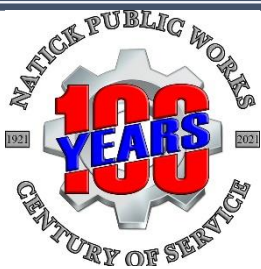
Sherman Street

Sherman Terrace

Wilson Street

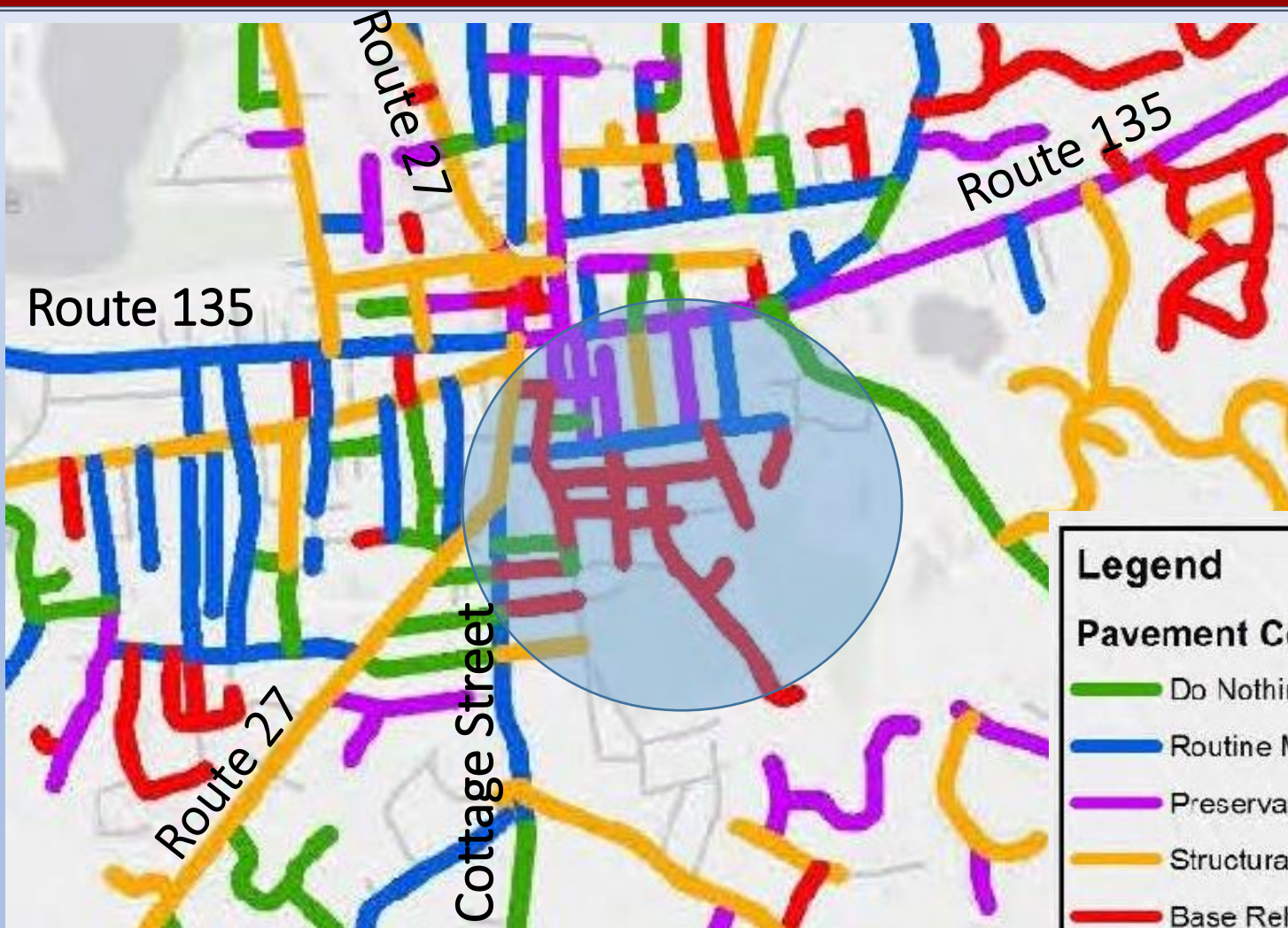
Church Street

East Street



# Five-year Roadway Improvement Plan

## Work Program for 2021

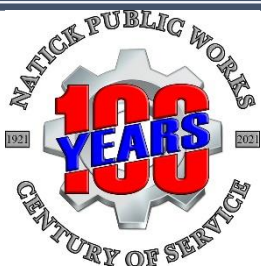


### Legend

#### Pavement Condition Index

- Do Nothing [100-88]
- Routine Maintenance [87-68]
- Preservation Maintenance [67-47]
- Structural Improvement [46-25]
- Base Rehabilitation [24-0]





# Five-year Roadway Improvement Plan

## Work Program for 2022

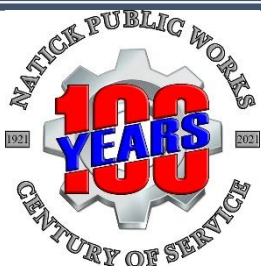


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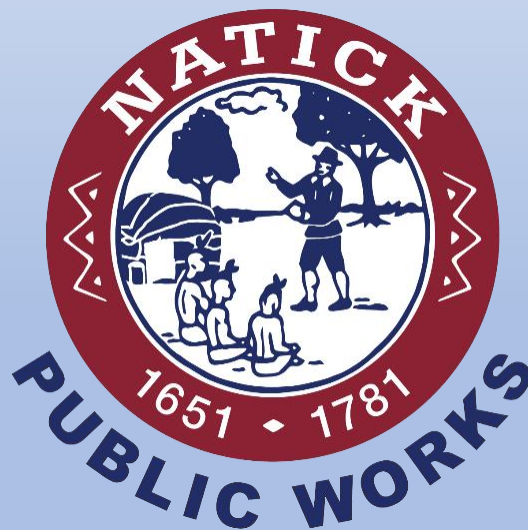
\* Project limits pending public street acceptance



# Five-year Roadway Improvement Plan

## Next Select Board Meeting

- Full Five-year Roadway Improvement Plan (2021 – 2026)



Celebrating 100 Years in 2021