

# 2018 East Hartford Roadway Improvement Project

Mayor: Marcia A. Leclerc

Director of Public Works: Timothy A. Bockus

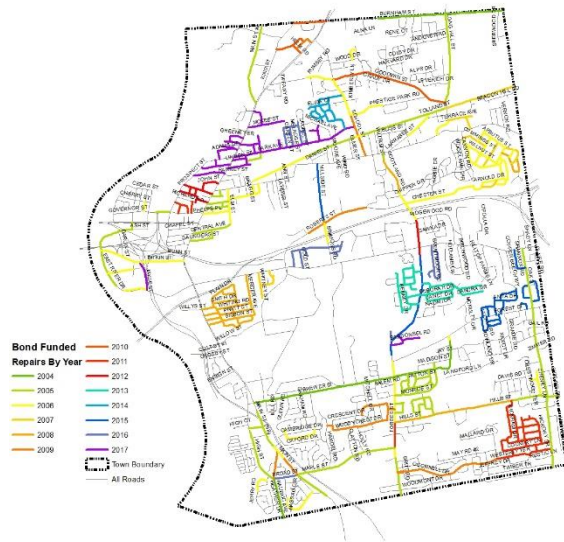
Engineer: Doug Wilson



Presented by  
Vanasse Hangen Brustlin, Inc.



# The East Hartford Quality Based Road Program



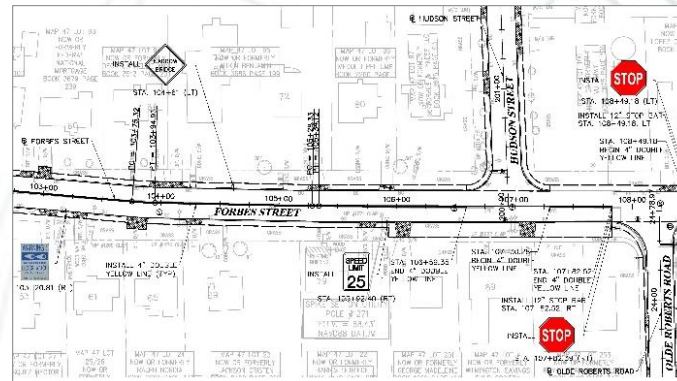
Pavement Management



Pavement Materials Evaluations



Construction Quality Assurance

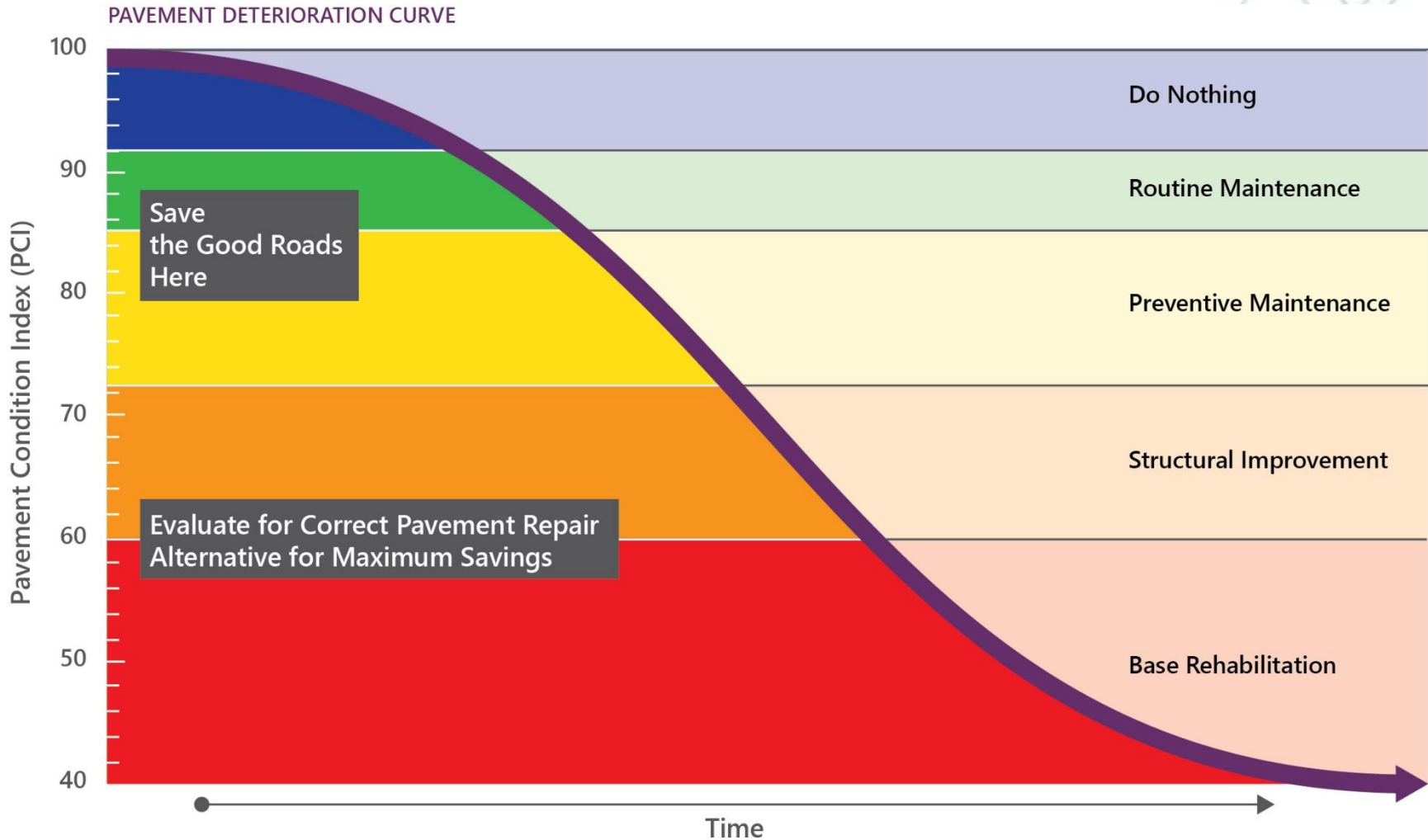


Design

# What is Pavement Management?

The practice of planning, designing, and constructing pavement repairs and maintenance with the goal of maximizing the value and life of your 151 mile pavement network.

# Treatment Bands



# Do Nothing Condition



*PCI = 100*

# Routine Maintenance Condition



*PCI = 88*

# Crack Sealing & Patching



# Preventive Maintenance Condition



*PCI = 75*

# Structural Improvement Condition



*PCI = 65*

# Milling



# Overlay



# Base Rehabilitation Condition



*PCI = 43*

# Base Rehabilitation



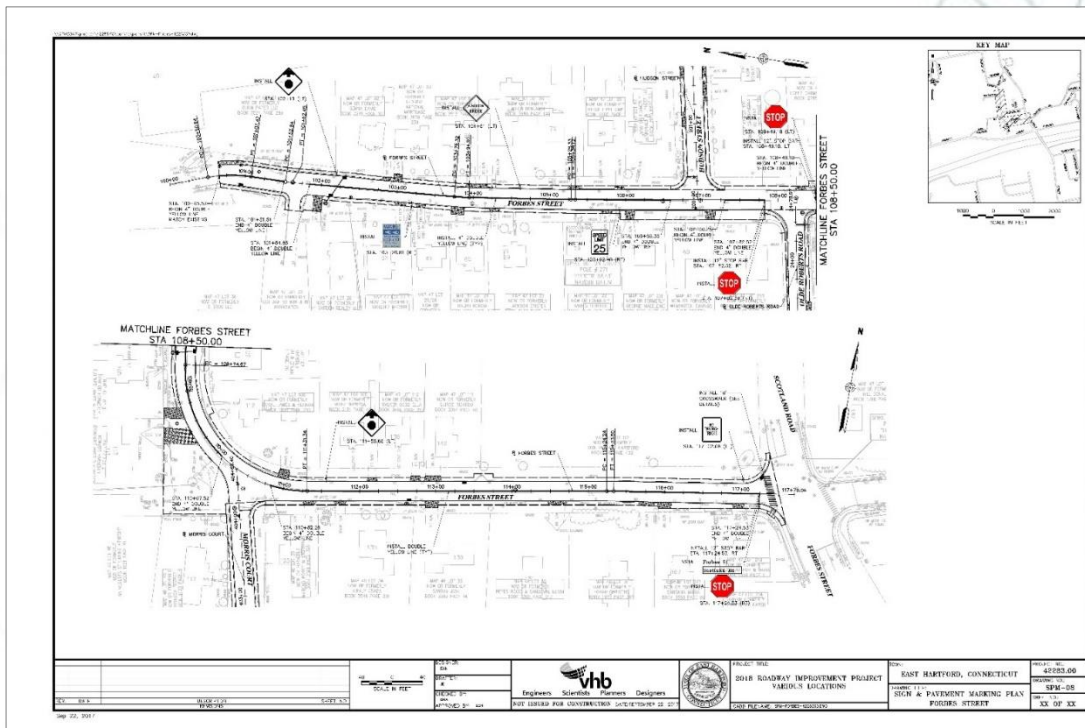
# Project Level Evaluations

1. Obtain available project information
2. Establish existing condition of pavement
3. Determine the cause of distress
4. Identify feasible alternatives
5. Make recommendations



# Design

1. Develop plans, specifications and construction cost estimate
2. Obtain permits (state & local)
3. Inform residents

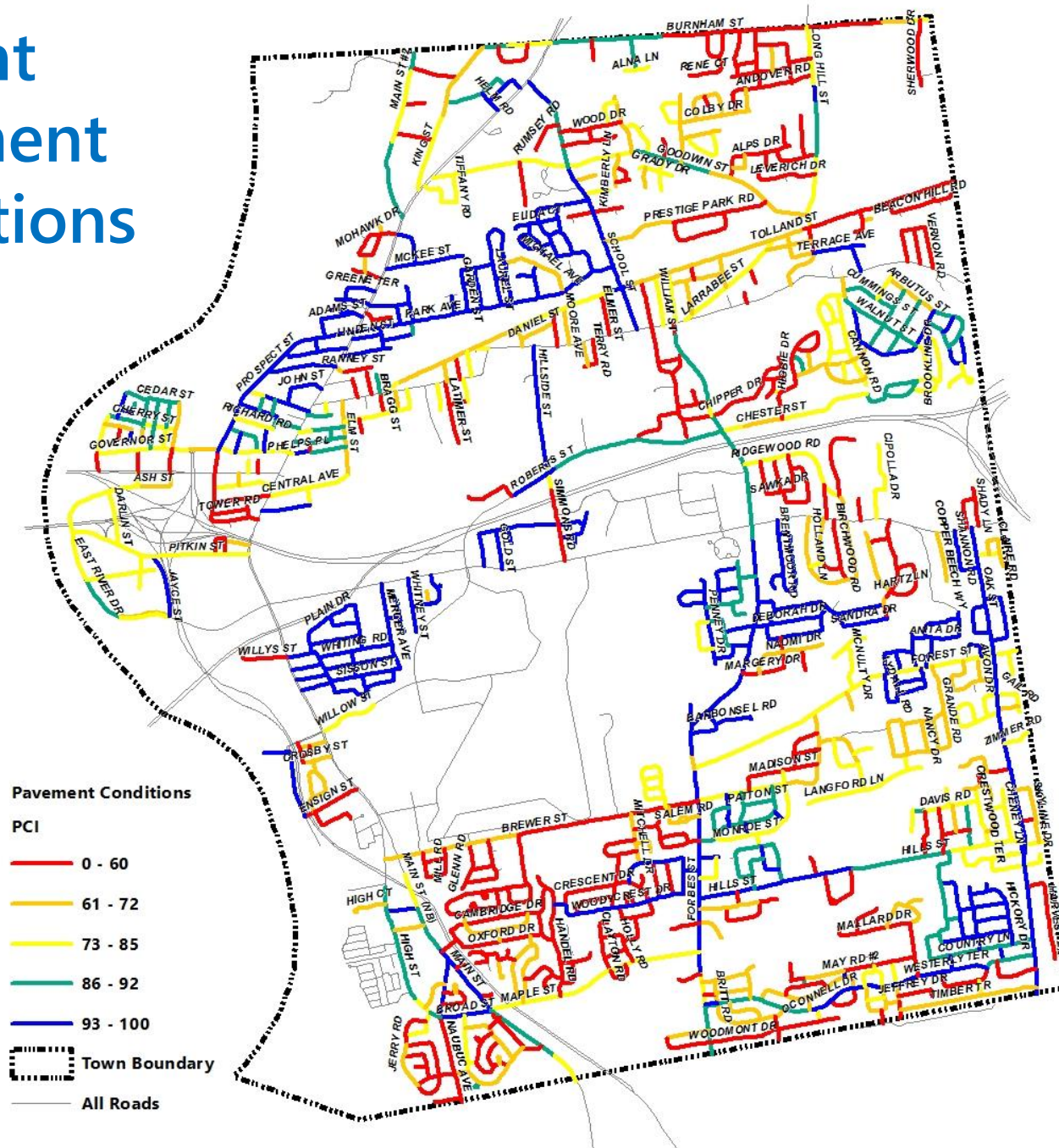


# Construction Phase Project Approach

- Construction Quality Assurance testing & field inspection per the technical specification for roadway construction compatible with State specifications
- Successful completion and construction close-out and update the East Hartford Pavement Management system

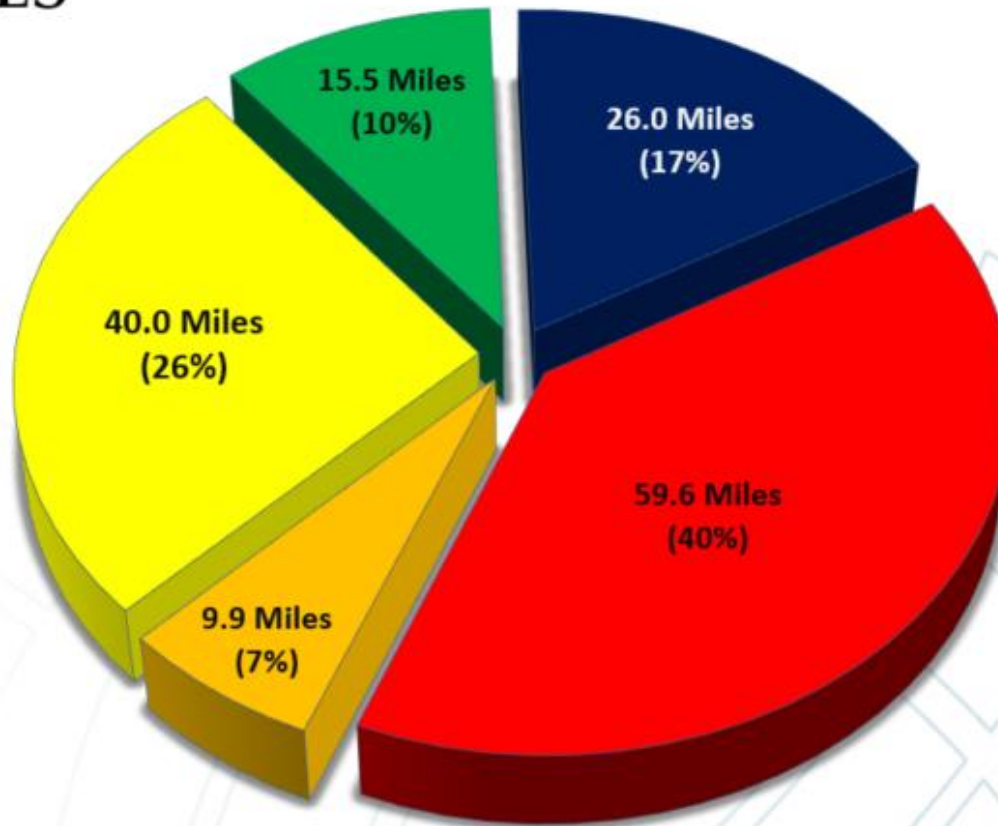
(2004-2017)

# Current Pavement Conditions



# Current Pavement Backlog of Projects

**151 MILES**



- Base Rehabilitation
- Structural Improvement
- Preventive Maintenance
- Routine Maintenance
- Do Nothing

## 2018 Roadway Improvement Project will:

- Recycle greatest possible existing road materials back into the upgraded roadways
- Use Superpave (Industry mix design procedure) and Quality Assurance specifications for hot mix production and placement
- Improve Americans with Disabilities Act (ADA) Compliance

# 2018 Roadway Improvement Project will include:

- Reconstruction, Pavement Reclamation, Removal of HMA
- Other work:
  - Replacing curbing
  - Replacing driveway aprons
  - Replacing pedestrian ramps to meet ADA
  - Rebuilding and replacing catch basins and tops
  - Installation of drainage system – Olde Roberts Street
  - Resetting roadway utility structure tops
  - Reestablish grass within snow shelf

## Construction Process:

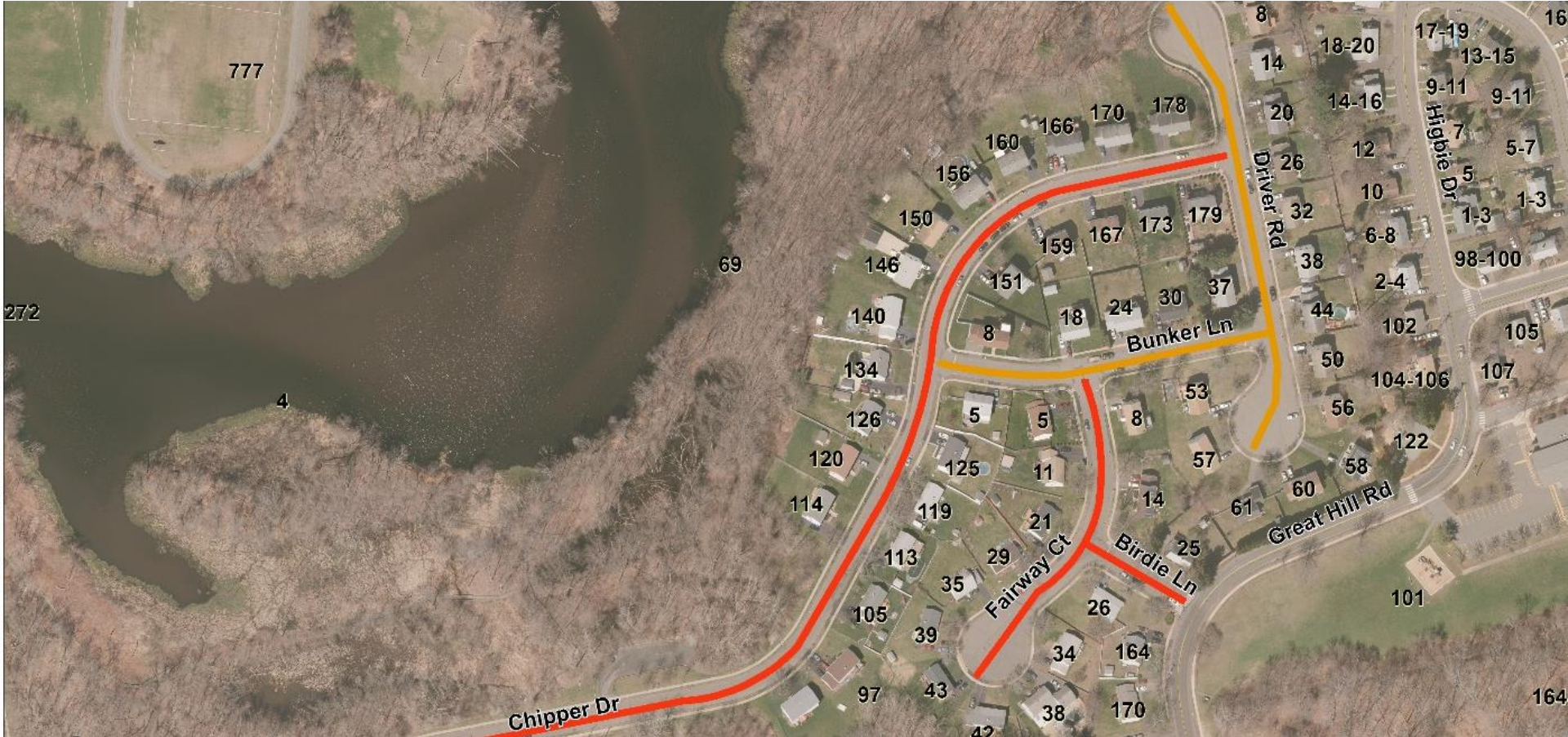
- Work hours 7 A.M. to 4 P.M.
- Disruption to traffic between 9 A.M. and 4 P.M.
- No work on major holidays
- Exposed roadway base must be paved within 20 days
- Utility structures adjusted down to temporary grades
- Access to business and residents will be granted at all times

## Construction Process (cont'd):

- Tree trimming and removal – notice posted 10 days ahead of removal
- Contractor required to coordinate with garbage pick up service, public safety and CT Transit
- Rights to reconstruct driveways will be requested at select locations
- Notify Town of the presence of irrigation system
- Fences and mailboxes within project limits will be repaired if damaged. Mailboxes must safety standards
- Dust control – Contractor required to have water on site to control dust

# 2018 Roadway Improvement Project

Street Name	From	To	Treatment
<b>Roads between Scotland Road and Great Hill Road</b>			
Birdie Lane	Great Hill Road	Fairway Court	Reclamation
Bunker Lane	Chipper Drive	Driver Road	Reconstruction
Chipper Drive	Scotland Road	Driver Road	Reclamation
Driver Road	Cul de Sac	Cul De Sac	Reconstruction
Fairway Court	Bunker Lane	Cul De Sac	Reclamation
<b>Roads between Roberts Street and Scotland Road</b>			
Forbes Street	Scotland Road	Bridge	Reclamation
Hudson Street	Forbes Street	Scotland Road	Remove HMA
Morris Court	Forbes Street	Cul De Sac	Reclamation
Olde Roberts Street	Forbes Street	Roberts Street	Reclamation
Oliva Court	Hudson Street	Cul De Sac	Reclamation
<b>Roads off Silver Lane</b>			
Primrose Drive	Silver Lane	Shady Lane	Reclamation/Reconstruction
Shady Lane	Silver Lane	Cul De Sac	Reclamation
<b>Roads off Warren Drive</b>			
Martin Circle	Warren Drive	Cul De Sac	Reclamation



# 2018 East Hartford Roadway Improvement Project

## Discussion



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# Primrose Dr & Shady La



**Reclamation**

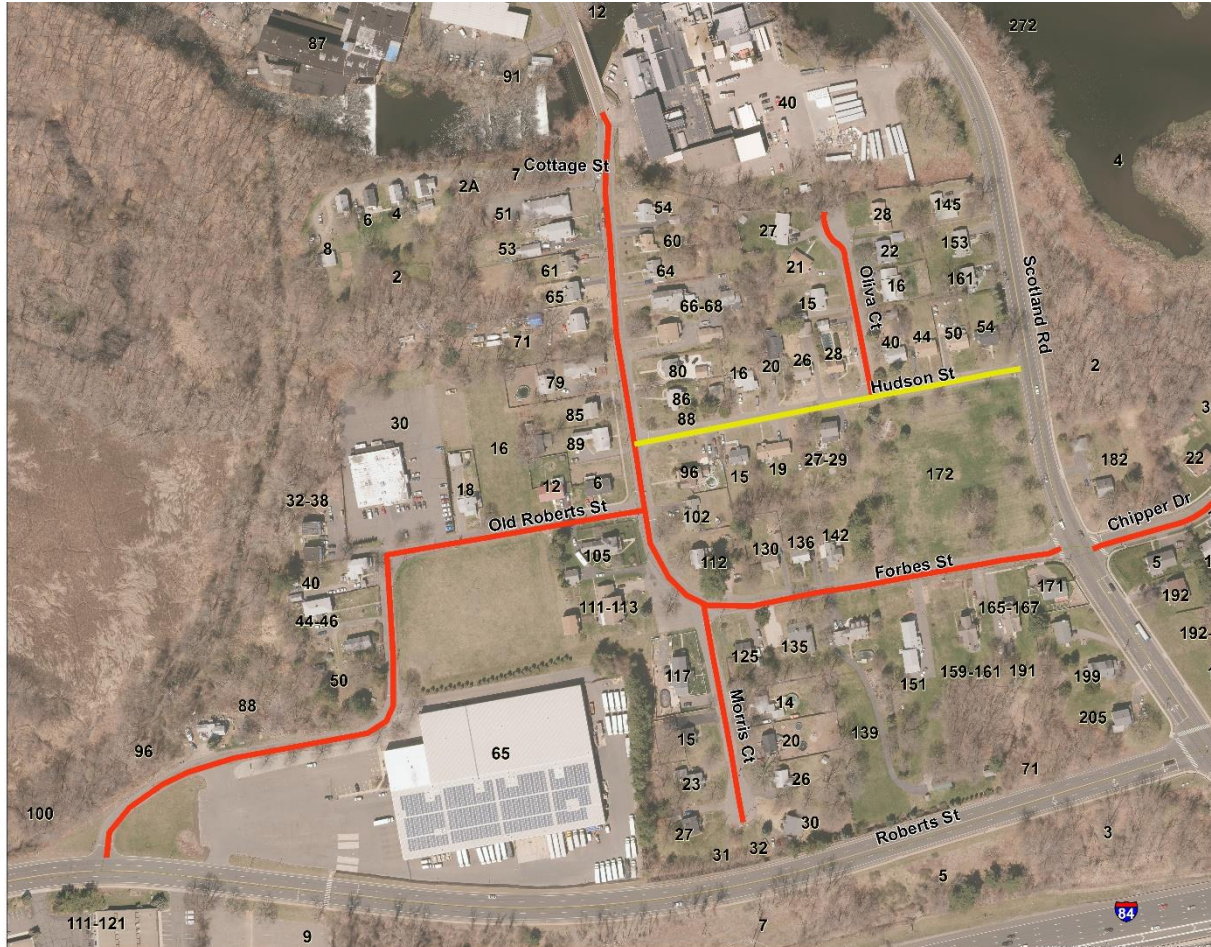
**Reconstruction**

# Martin Circle



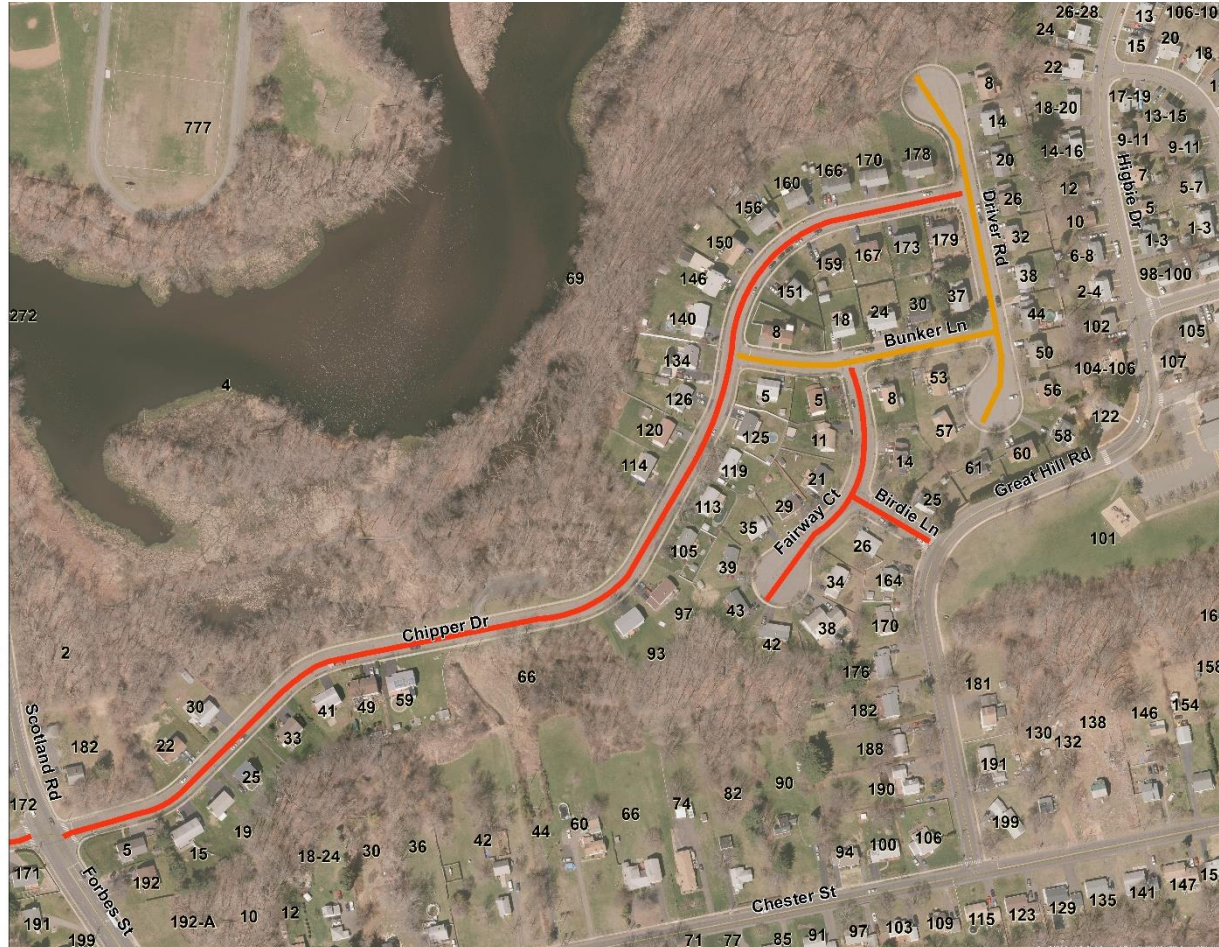
 Reclamation

# Forbes St Area West



- Reclamation
- Remove HMA

# Forbes St Area East



- Reclamation
- Reconstruction