Roadway Resurfacing Presentation

Manchester Board of Mayor and Aldermen
December 3, 2024

City of Manchester, NH Department of Public Works

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Public Works Director

Owen Friend-Gray, PE
Deputy Public Works Director

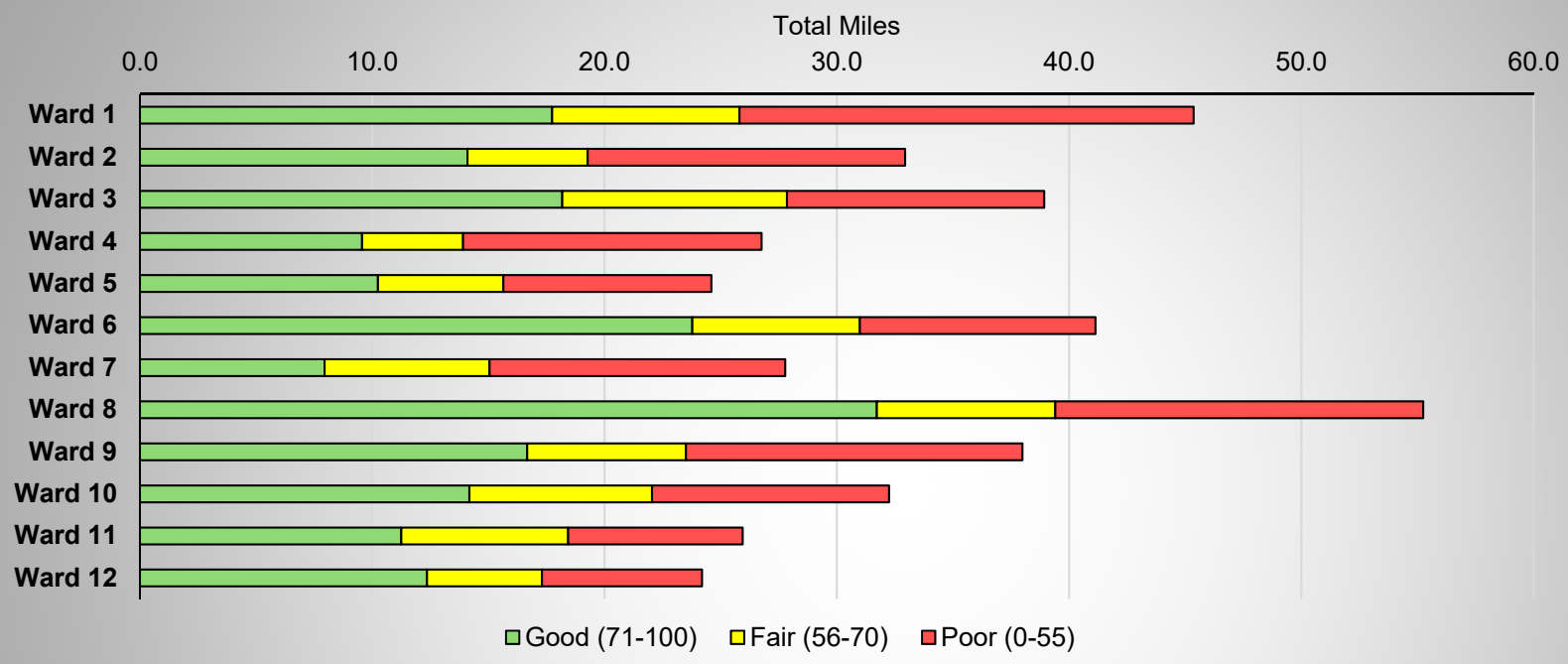
Caleb Dobbins, PE
Highway Chief Engineer

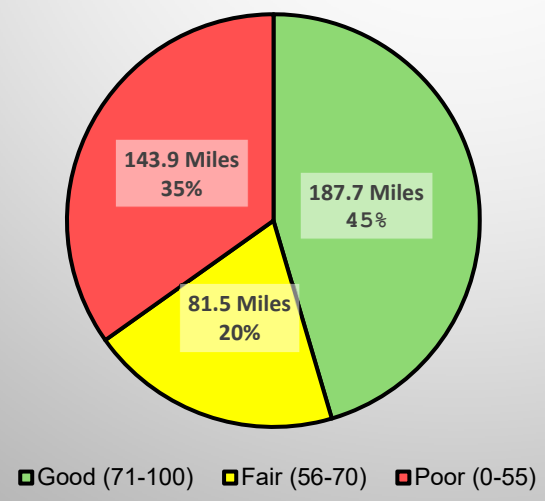
Good Condition

Fair Condition

Poor Condition

Condition by Ward and City-wide





413 Centerline Miles citywide

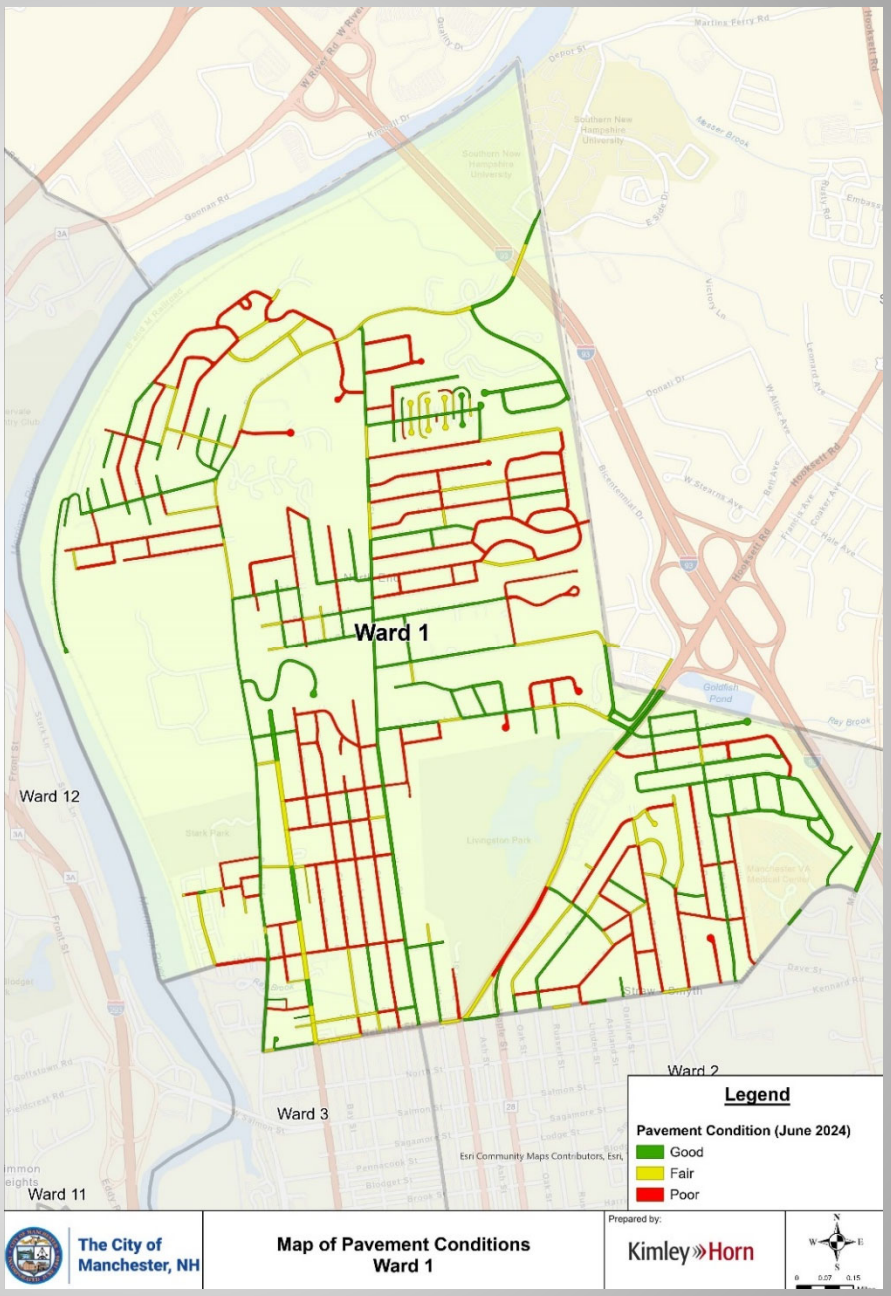
Pavement Condition Assessment

-DPW contracted with Kimley-Horn for a City-wide review

-Included Pavement Condition Index (PCI) for all roadway segments.

Example- Ward 1

Ward specific maps have been provided in packet



Pavement Condition Index (PCI)

- Measurement to rate pavement condition
  - Information collected on every roadway in 10' increments and is then compiled into larger roadway segments
  - Based on a scale from 0 (bad) to 100 (perfect)
  - Factors considered in the development of PCI
    - Ride quality
    - Pavement cracking
    - Pavement rutting
    - General distress

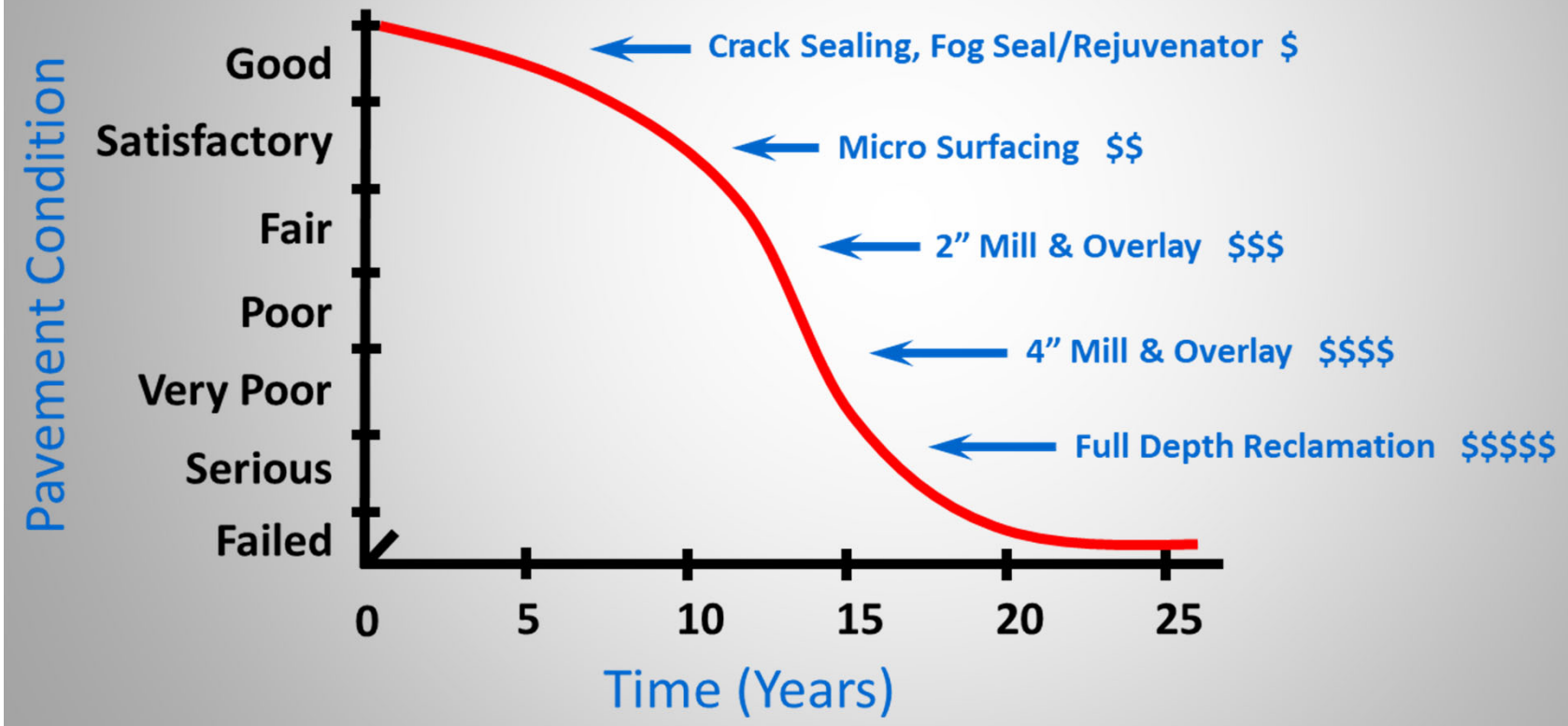
Paving Plan Development

Factors considered for selection of Roadway Segments:

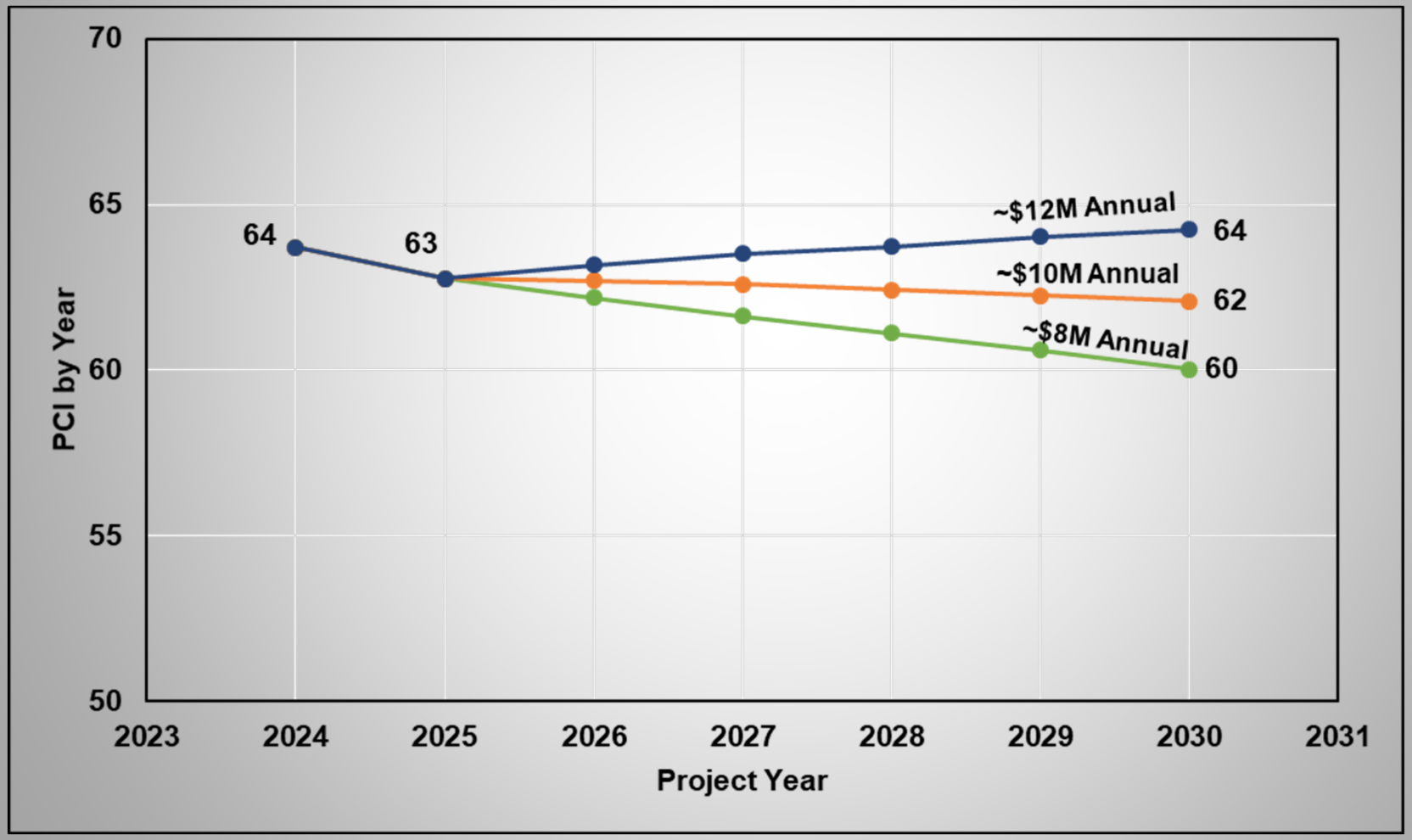
- Pavement condition index (PCI)
- Traffic volume and type
- Roadway connectivity
- Access to services
- Treatment timing
- Funding

Treatment Timing

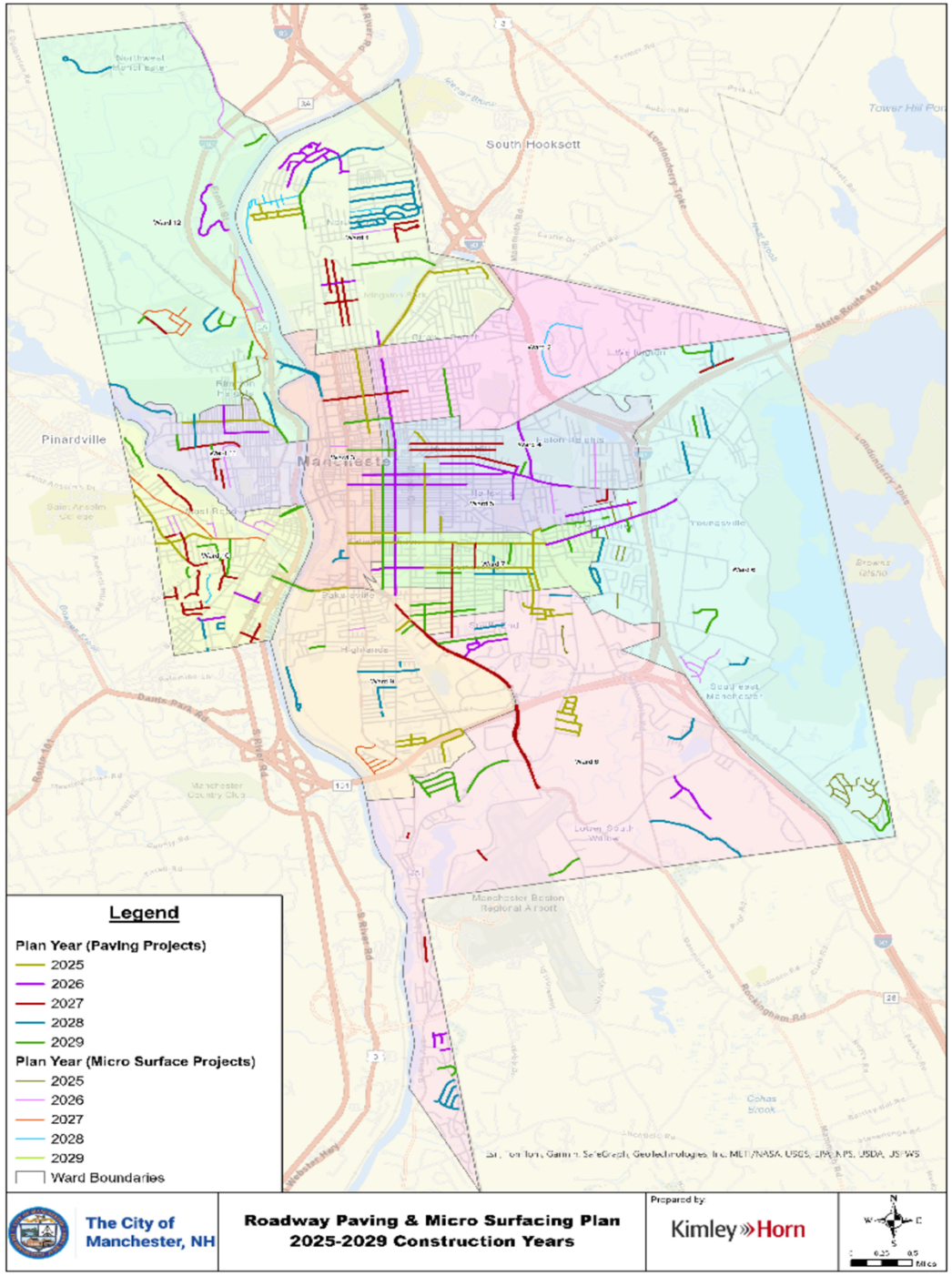
Keep Your Good Roads Good



Funding vs. Projected Pavement Condition



5 Year Roadway Paving Plan based on a $12M/year funding level



Questions?

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