

City of Huntington Beach
Pavement Management Plan (PMP)
Overview

City Council Study Session August 2, 2022

SUPPLEMENTAL COMMUNICATION

Meeting Date: 8/2/2022

Agenda Nom No.: SS#1 (22-598)

Background

- The City's largest asset with an estimated replacement cost of \$1B
- Pavement Maintenance Inventory
 - 99,273,000 SF of pavement throughout City
 - Arterial network 167 miles
 - Local network 315 miles
 - Alley network 33 miles
 - Bicycle and pedestrian paths 739,000 SF
 - · 4,430,000 SF of AC Parking Lot







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Factors That Effect Pavement Life

- Traffic volume and loads
- Weather (rain, extreme heat, freezing)
- Type of pavement
- Age of pavement
- · Soil and base material under pavement
- · Preventative maintenance efforts and available funding

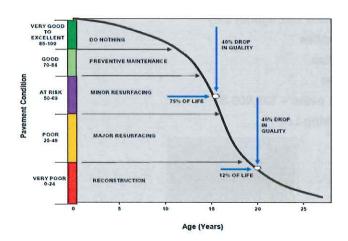






What is a Pavement Condition Index (PCI)?

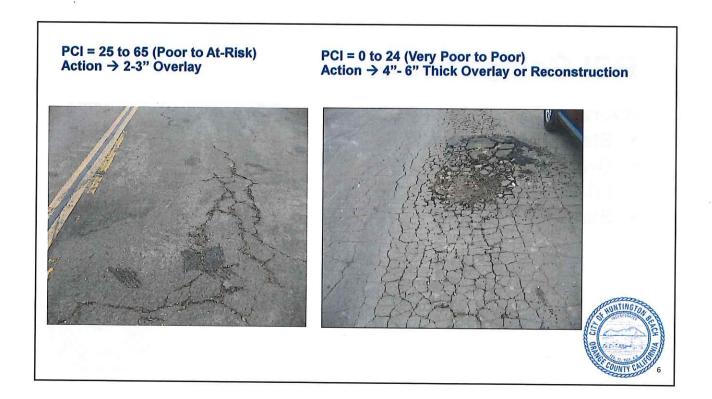
- The PCI is a visual condition rating that ranges from 0 to 100
- Citywide Weighted Average PCI = Sum of pavement section PCI x by its area / by the total area of the network





PCI = 85 to 100 (Very Good to Excellent)
Action → Preventative/Stop Gap

PCI = 65 to 85 (Good)
Action → Surface Treatment (Slurry Seal)



Huntington Beach Street Network

- The weighted average PCI for Arterials is 81.6 (Good)
- The weighted average PCI for the Local streets is 81.4 (Good)
- The overall citywide average PCI is 81.5 (Does not include alleys)





PCI Comparison

Average Comparison PCI's

State of California 66

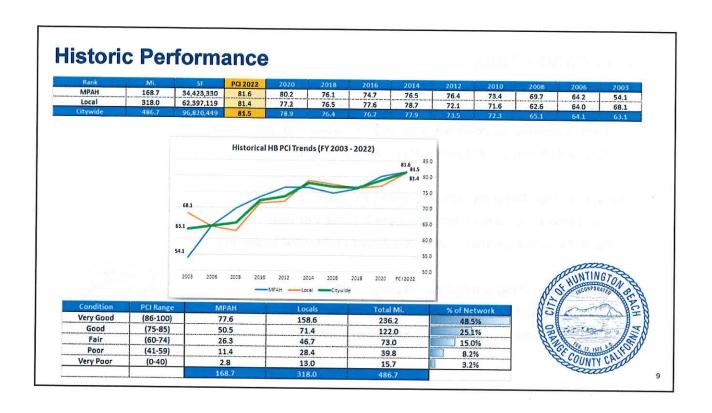
Orange County 79

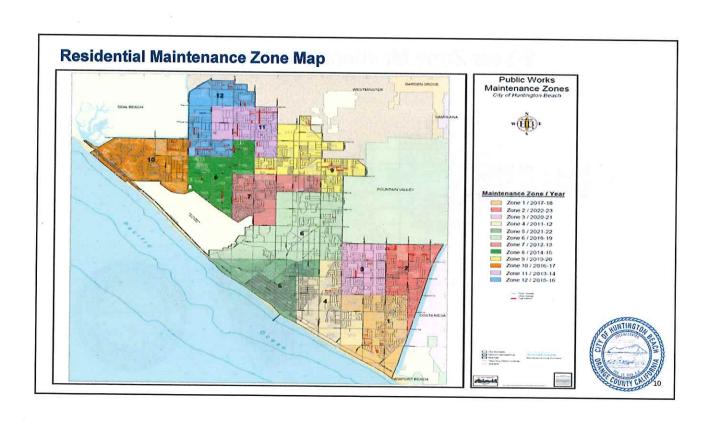
LA County 68

San Diego County 70







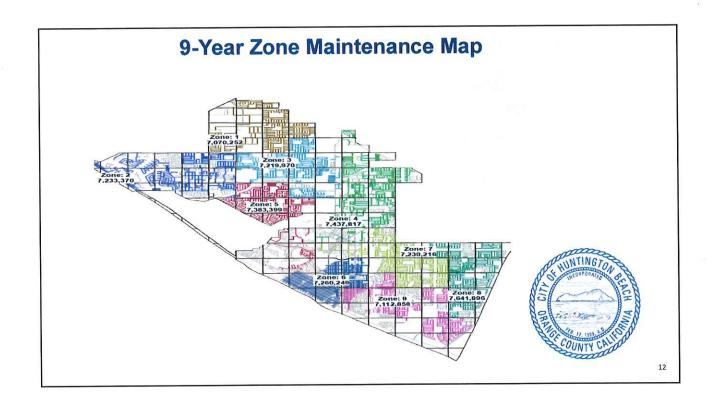


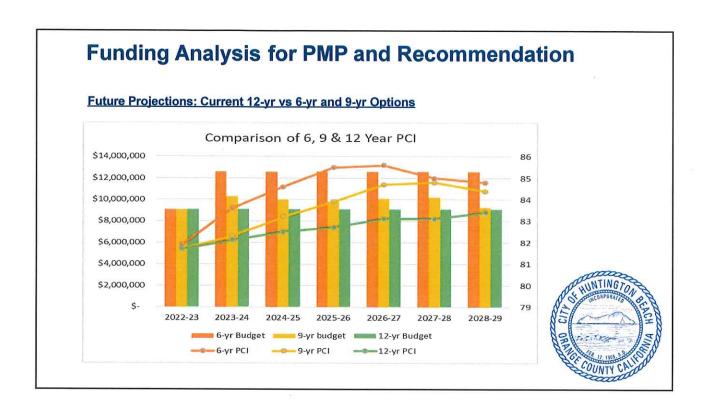
Maintenance Zones

- Current 12 Zone Program
 - The City is divided into 12 Maintenance Zones.
 - Each Zone has approximately 26 miles of residential pavement.
 - City wide there are 315 miles of residential pavement.
- Alternate 6 Zone Program Option Starting FY 23/24
 - Use same 12 Zone map and complete 2 zones per year
 - Each Zone has approximately 52 miles of residential pavement.
- Alternate 9 Zone Program Option Starting FY 23/24
 - The City would be divided into 9 Maintenance Zones.
 - Each Zone has approximately 35 miles of residential pavement.



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Questions?



