



## MINUTES

### CITY OF HUNTINGTON BEACH PUBLIC WORKS COMMISSION MAY 21, 2014

**Call to Order/  
Pledge of Allegiance:** The meeting was called to order at 5:00 p.m. by Chairperson Brenden, who led Commissioners and the audience in the Pledge of Allegiance to the Flag.

**Commissioners Absent:** None

**Commissioners Present:** Commissioners Brenden, Carr, Berge, Cook, McGovern, and Thomas were in attendance.

**Others Present:** Travis Hopkins, Director of Public Works  
Tom Herbel, City Engineer  
Todd Broussard, Principal Civil Engineer  
Jo Claudio, Senior Civil Engineer  
Ken Dills, Project Manager  
Kirsty Wapner, Administrative Assistant  
Debbie Debow, Principal Civil Engineer  
Dan Kalmick, Member of the Public

#### **B. PRESENTATIONS-COMMENDATIONS**

None.

#### **C. MINUTES**

C-1. Motion by Commissioner Berge, seconded by Commissioner Carr to approve the minutes of April 16, 2014 as presented.

VOTE: The motion carried.  
AYES: 5  
NOES: 0  
ABSENT: 0  
ABSTENTIONS: 1 (Thomas)

#### **D. ORAL COMMUNICATIONS**

None.

## E. DIRECTOR'S ITEMS

Travis Hopkins noted that on Monday night's Council meeting, Council gave a Proclamation for National Public Works week. The Public Works Department had an Open House at Surf City Nights last night with a great turn out. Commissioner Carr added a "thank you" to Mr. Hopkins for the department's water conservation outreach efforts.

## F. INFORMATION ITEMS

F-1. Upcoming City Council Study Sessions – It was noted that CPAB is going to Study Session on June 2. Public Works applied for ADA upgrades in the Police Department. Downtown Task Force recommendations are being presented on June 16. The budget is being presented on July 7. The CIP is going to Study Session August 4.

F-2. Active Capital Project Report – Tom Herbel provided updates on the capital project report. He stated the Atlanta Avenue Widening project is currently in right of way acquisition process. Arterial Rehab for Argosy, Yorktown and 6<sup>th</sup> Street- bids were received. Residential Pavement Rehab- Zone 11 & Edmonds Circle and Craig Lane- out to bid. Meredith Pump Station Expansion- received bids. Construction should begin soon. Council Chambers Renovation- currently underway. Pier Piling Inspection and Maintenance will be on going over the next few weeks. Year 2 in 5 Year Plan. Warner Ave Gravity Sewer Station- construction should be out of PCH by mid next month. Caltrans has given more green time to the northbound signal on PCH. Commissioner Thomas noted an upside down sign that was on northbound PCH. Algonquin/Boardwalk Lift Station- final paving today. Beach Blvd Sewer Replacement- the project was accelerated by working 24/7 one weekend. The developer paid for sewer. Water Main Replacement at Sunset Beach area- should be out by end of summer.

Commissioner Cook asked how many trees were knocked over due to the recent high winds. Mr. Hopkins stated that he didn't have a number at this time.

Commissioner Thomas asked about the water main extension project at Bolsa Chica and Graham- inquired on specific streets for the loop extension.

Commissioner Carr asked about Brookhurst and Indianapolis. Mr. Herbel that final paving has started and that the work should be completed within a week.

Commissioner Cook asked when Beach/Ellis work will be done. Mr. Herbel said it would be completed by the end of the year.

F-3. Pavement Management Program- Todd Broussard reported on the Pavement Management Program. The PowerPoint has been attached to these minutes.

The City's estimated replacement cost for all City streets is \$480 million. There's a total of 99,273,000 square feet of pavement throughout the City. The Pavement Condition Index (PCI) is a scale from 0-100, with Huntington Beach currently at an overall PCI of 75.2. It was added this doesn't count for private streets, which are maintained by HOAs. Commissioner Carr inquired about rate of deterioration. This depends on anticipated traffic and development. Trash trucks cause damage. Rainbow pays the City an annual fee.

Member of the public, Dan Kalmick, inquired about alleys and if the PMP could have some tie to tourism and popular tourism routes. Tourism is not a factor with the PMP. Mr. Herbel added that arterials have funding sources. The goal is to focus on arterials. The City has a program that allows residents to perform repairs. Additionally, if residents desired to fund the alley repairs, an assessment district could be formed to allow payment of the alley improvements over a period of time. There are no plans for alley work in the seven year projection. They can be spot fixed now or wait. A combination of treatments on street repairs can be used. Commissioner Berge inquired about the use of concrete. Herbel stated concrete is good if it is permanent. Utilities are often digging in streets. Pavement is flexible.

## **G. ADMINISTRATIVE ITEMS**

- G-1. Warner Avenue Bridge Preventive Maintenance- Jo Claudio reported on the Warner Avenue Bridge, which is deteriorating. Inspections have been done. Work includes removing and replacing concrete barrier and chain link railing, asphalt pavement, and replacing missing rock slope protection. About 88% of funds will be reimbursed. Construction will last about 6.5 months, with work beginning after September. There will be disruption of traffic.

Motion by Commissioner Thomas, seconded by Commissioner Berge, to approve that the Warner Avenue Bridge Preventive Maintenance Project is in general conformance with the previously approved CIP.

VOTE: The motion carried.

AYES: 6

NOES: 0

ABSENT: 0

ABSTENTIONS: 0

- G-2. 2013/14 Sewer Lining Project- Todd Broussard reported on the Sewer Lining Project. This project consists of placing lining inside existing sewers; about 5500 lineal feet of eight inch diameter aged sewer mains. The estimate of the project is \$200,000.

Motion by Commissioner Thomas, seconded by Commissioner McGovern, to approve that the Sewer Lining Project is in general conformance with the previously approved CIP.

VOTE:           The motion carried.  
AYES:           6  
NOES:           0  
ABSENT:         0  
ABSTENTIONS:  0

#### **H.     WRITTEN COMMUNICATIONS**

None.

#### **I.     COMMISSION AND STAFF COMMENTS**

Commissioner Berge said good job to those involved with the Public Works Open House event. Commissioner Brenden asked if Commissioner Hart will be replaced. He will be replaced. Commissioner Carr stated she would help out on the General Plan Circulation board. Commissioner Brenden also commended staff on the Go Request app. Commissioner Carr requested the website link to the water conservation page and rebate program.

#### **J.     ADJOURNMENT**

The meeting adjourned at 6:10 PM to June 18, 2014 at 5:00 PM at the Utilities Yard.

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Pat Brenden  
Chairperson

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Kirsty Wapner  
Administrative Assistant



**City of Huntington Beach, CA**  
**PAVEMENT MANAGEMENT**  
**OVERVIEW**  
**2014 - 2021**



Public Works Department

### Background

- The City's largest asset with an estimated replacement cost of \$480 million

Pavement Maintenance Inventory

- 99,273,000 SF of pavement throughout City
- Arterial network – 167 miles
- Local network – 315 miles
- Alley network consists of 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

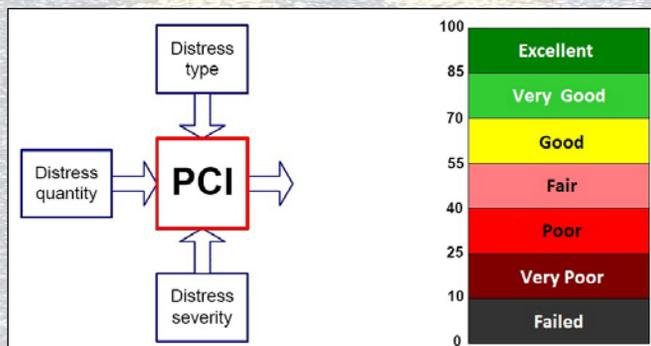
- Traffic volume and loads
- Weather (rain, extreme heat, freezing)
- Type of pavement
- Age of pavement
- Soil and base material under pavement
- Preventative maintenance efforts and available funding



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## Pavement Condition Index (PCI)

- The PCI is a condition rating that ranges from 0 to 100
- Citywide Weighted Average PCI =  $\frac{\text{Sum of pavement section PCI} \times \text{its area}}{\text{total area of the network}}$



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



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



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**PCI = 25 to 65 (Poor to Fair)**  
**Action → 2" – 3" Overlay**



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**PCI = 0 to 25 (Very Poor to Failed)**  
**Action → 4" to 6" Thick Overlay or Reconstruction**



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## Huntington Beach Street Network

- The weighted average PCI for Arterials is **75.9**
- The weighted average PCI for the Local streets is **74.8**
- The weighted average PCI for the Alleys is **48.0**
- The overall citywide average PCI is **75.2**  
(Does not include alleys)

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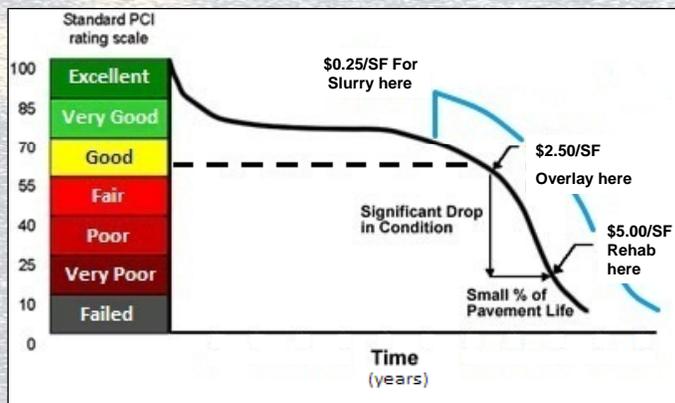
## PCI Comparison to Surrounding Cities

- Citywide Weighted PCI's
  - Irvine = 82.9
  - Newport Beach = 78.1
  - Costa Mesa = 77.6
  - Fountain Valley = 76.2
  - **Huntington Beach = 75.2**
  - Anaheim = 69.0
  - Santa Ana = 65.8



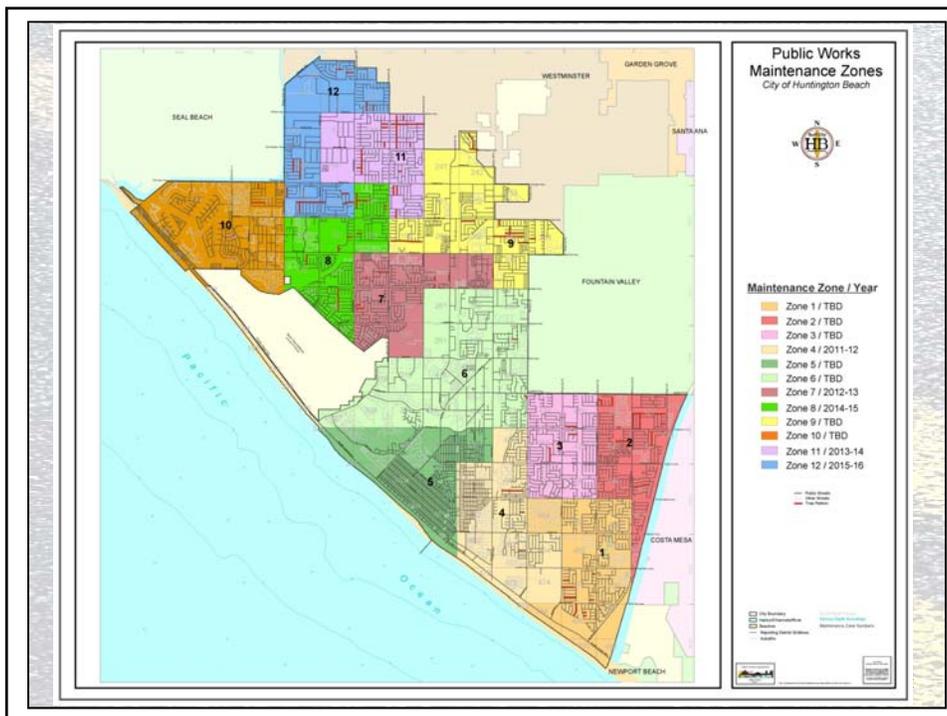
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## Asphalt Pavement Life Cycle



It is more cost effective to maintain a pavement section in good condition over its useful life in comparison to letting it deteriorate to the point that it requires a major overlay or reconstruction

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## Funding Analysis for PMP

Historical Progress

Year	Network PCI	MPAH PCI	Residential PCI
2006	65.0	64.1	65.0
2010	72.3	74.8	71.5
2014	75.2	75.9	74.8

Future Projection

FY	Current Funding	Network PCI	MPAH PCI	Local PCI
2014-15	\$4,300,000	75.2	75.9	74.8
2015-16	\$4,300,000	75.3	76.2	74.9
2016-17	\$4,300,000	75.3	76.6	74.7
2017-18	\$4,300,000	75.8	76.9	75.6
2018-19	\$4,300,000	75.9	77.2	75.8
2019-20	\$4,300,000	75.4	77.1	74.7
2020-21	\$4,300,000	74.8	76.5	73.8
	\$30,100,000			

Indicates current on-going PCI inspection results

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## Questions?

Engineering Division  
Public Works Department



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