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Pavement Management Program Update

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What is a Pavement Management Program?

- Approach used to make cost-effective decisions.
- It answers 4 main questions:
 - What streets does the City own/maintain?
 - What **condition** are the streets in?
 - What **repairs** are needed and when?
 - How much funding is needed to maintain or improve streets?
- It typically employs software (StreetSaver[®] or MicroPaver[™])



Pavement Management Program



ANCE Engineering & Environmental Services

Data Collection Vehicle



PCI Ratings – What do they mean?

Condition Category	Pavement Condition	PCI
(I)	Very Good	10
(II/III)	Fair (Non-Load) Fair (Load-related)	70
(II/III)	Poor	50
(II/III)	Very Poor	25
		0



Very Good, PCI = 90



Fair, PCI = 59



Poor, PCI = 35

Very Poor, PCI = 17

Streets in Beaumont

- Network: 148.3 miles
 - 27.1 miles Arterials
 - 25.2 miles Collectors
 - 96.0 miles Residentials



Pavement Management Plan (PMP) Update



Current Beaumont Pavement Condition Index (PCI): **78 "Very Good"** rating

Condition of Beaumont Streets



Very Good: 70-100 Fair: 50-69 Poor: 25-49 Very Poor: 0-24

Comparison to Neighboring Agencies





Pavement Life Cycle



Percent of Pavement Service Life

Planned Projects



CITY OF BEAUMONT Citywide Street Rehabilitation and Maintenance FY 24/25 PUBLIC WORKS DEPARTMENT





Planned Projects





Pavement Strategy: Keep plans the same

Current funding: \$4 Million/Year



Pavement Strategy: Maintain PCI at 78

Required Budget: \$6.6 Million/year



Pavement Strategy: Increase PCI to 80

Required Budget: \$8.4 Million/year



Pavement Strategy: Increase PCI to 81

Required Budget: \$9.2 Million/year



Pavement Strategy: Budget Reduction

Reduced Budget: \$3.5/year



Pavement Condition by FY 30/31



Pavement Condition by FY 30/31



Proposed Street Selection for City's Budget



Summary

- Updated City's Pavement Management Database for 148.3 Centerline Miles
- Collected Roadway Condition Data using Automated Survey
- Based on the Survey, the City's PCI is 78 ("Very Good")
- Only a small portion (0.5%) of the network is in "Very Poor" condition
- Develop City's Specific Unit Cost 5 77 and Decision Tree
- Evaluated 5 Budget Scenarios over a 7 year period
- Develop Proposed Street List for City's Current Budget Scenario



81

79

75

73

PCI

Inspection

78

23/24





81

