



Pavement Condition Index Study

Solicitation No: 2022-0066R

November 9, 2021

Strategic Plan Goal:

- 7) Enhance and Sustain El Paso's Infrastructure Network**
- 7.2 Improve competitiveness through infrastructure improvements impacting the quality of life.**



- **Street Maintenance is a high priority for our community**
- **The inventory for roads in the City shows 2,500 centerline miles**
 - **\$44 Million is the estimated annual investment in order to keep the street Pavement Condition Index of 70 (out of 100)**
- **City Council Approvals**
 - **August 2018- City Council Approved \$7 M Annual Program for Residential.**
 - **December 2019 - City Council approves a dedicated \$3M Annual for street resurfacing from PSB Infrastructure Franchise Fee**

- **Current Resurfacing Contract (2019-2022):**
 - **Annual Value \$6.67M**
 - **Arterial Resurfacing – Four locations for current year**
 - **Edgemere – Substantially Complete**
 - **Copia – In Progress**
 - **Belvidere and Giles - Programmed**
 - **2012 CIP – Final three locations**
 - **Upson and Hawkins – In Progress**
 - **Riverbend – Substantially Complete**
 - **Residential Resurfacing – Work Programmed in each District**
 - **District 6 – In Progress**

- **New Resurfacing Contract Bid -**
 - **Estimated Value \$10M**
 - **Being evaluated in Purchasing for award**
- **Surface Treatment Contract -**
 - **Estimated Value \$1M**
 - **Specifications and scope developed, Bid to be advertised**
- **Pavement Condition Study -**
 - **Estimated Value \$652K**

Project Details

Location:	Citywide
District(s):	All
Total Budget:	\$652,895.93
Funding Source:	FY 2022 Budget

PCI – What is it?

- **Pavement Condition Index (PCI) is data used to assess the general condition of pavement**
- **The data is used as a tool for initial prioritization**
- **Requires regular evaluation to updating conditions**
- **Provides forecasting which can assist and plan needed future improvements**

El Paso 2018 Results

PCI

PCI Range	Condition Description	Percent of Network
86-100	Good	26.75%
71-85	Satisfactory	22.72%
56-70	Fair	17.06%
41-55	Poor	17.59%
26-40	Very Poor	10.46%
11-25	Serious	5.00%
0-10	Very Serious	0.42%
	TOTAL	100%

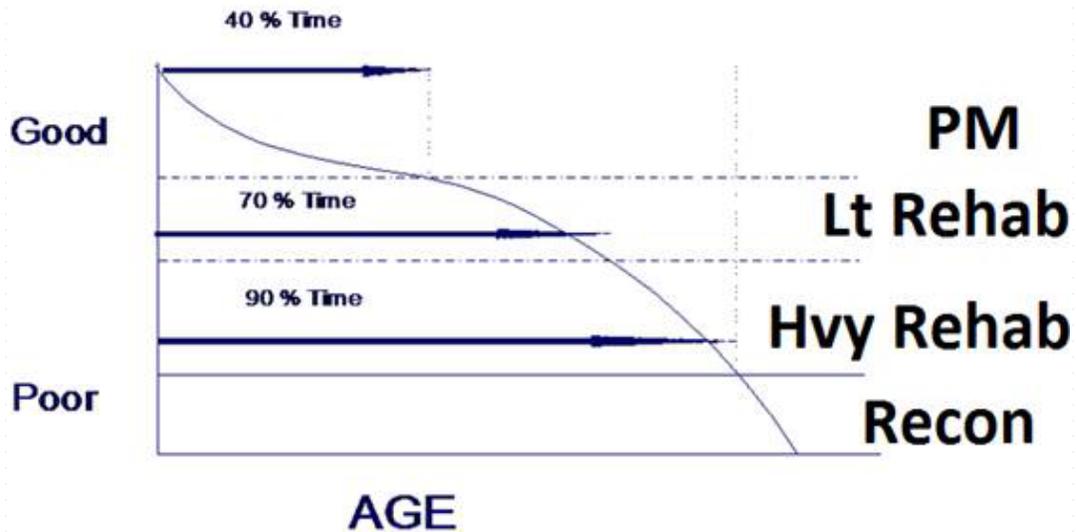
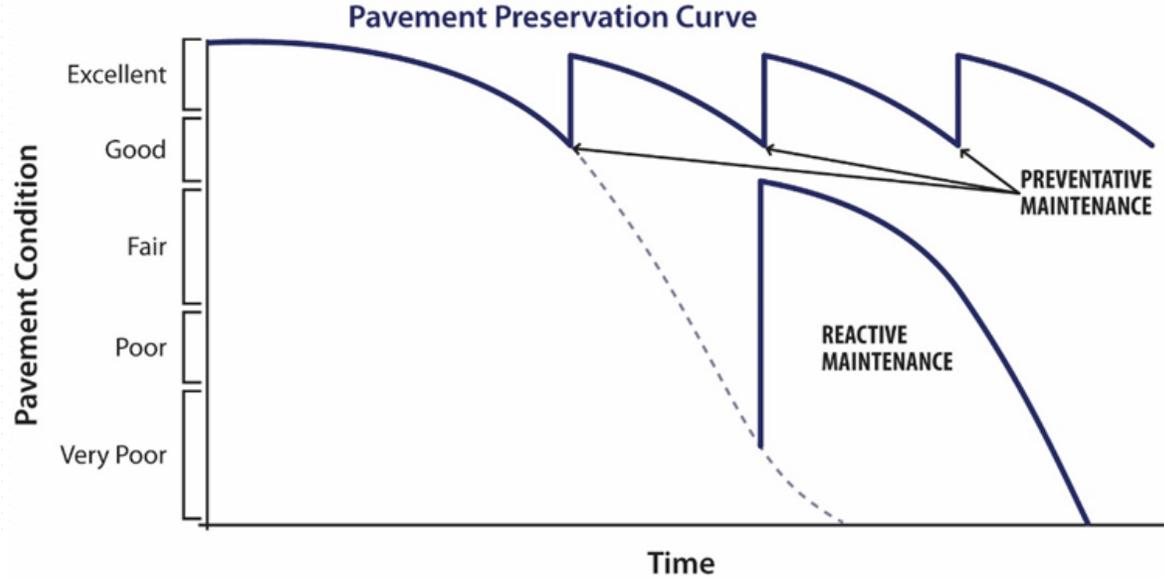
49.5% is Satisfactory or higher
50.5% is Fair or below

Best Practices

- Useful life of a road is 25 years
- 4% of the street inventory every year
- Average PCI at 70 or above should be our goal
- Spend a portion of the budget to keep good pavement in good condition
- Have a plan to bring poor roads to fair condition and above
- Find cost effective treatments at designated times to provide desired level of service

Best Practices

PCI



SEALS/CRACK SEALS

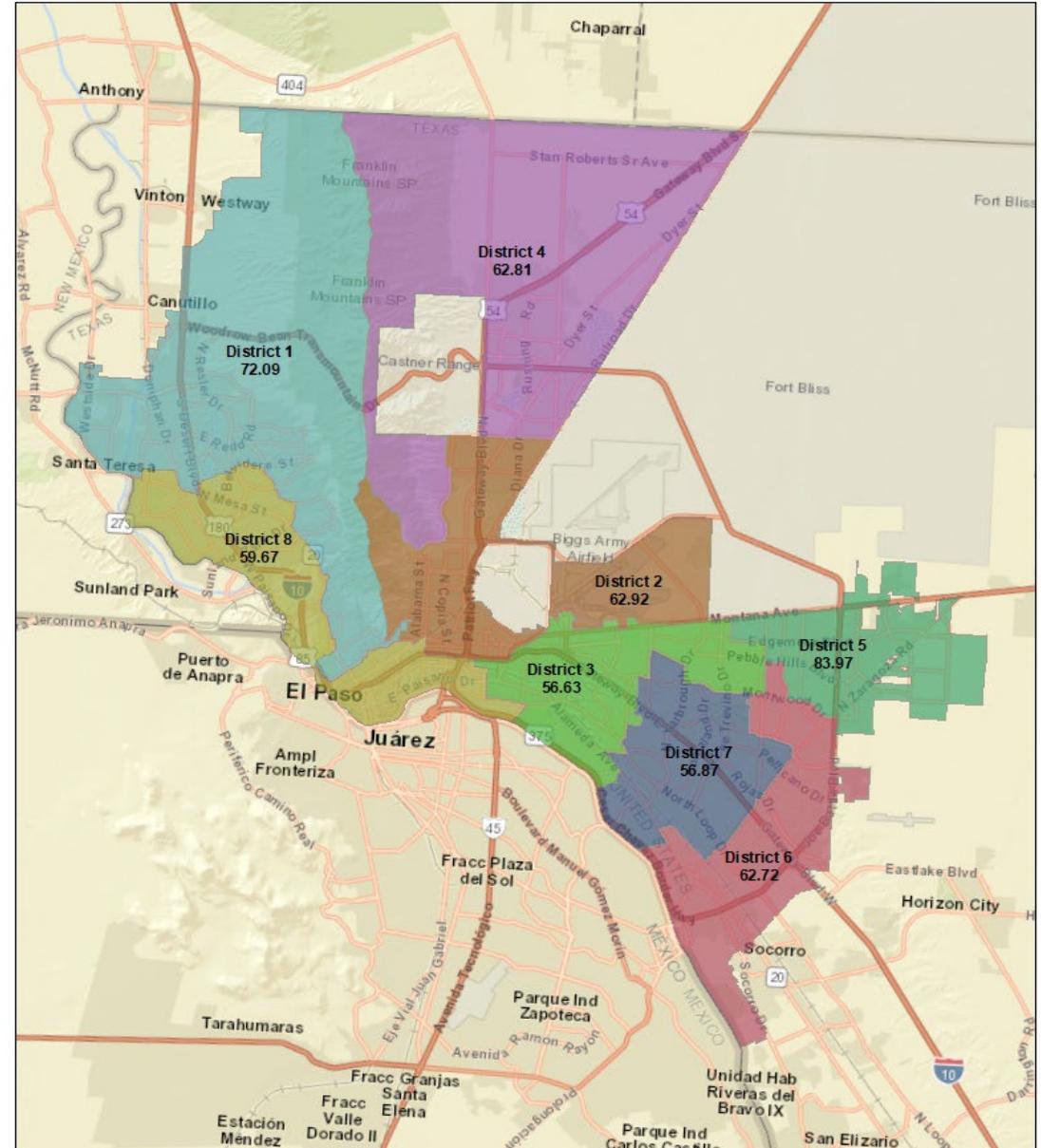
MILL AND OVERLAY

SPOT FULL DEPTH REPAIRS AND MILL AND OVERLAY

RECONSTRUCTION

Average PCI by District

District	Average PCI
1	72.09
2	62.92
3	56.63
4	62.81
5	83.97
6	62.72
7	56.87
8	59.67



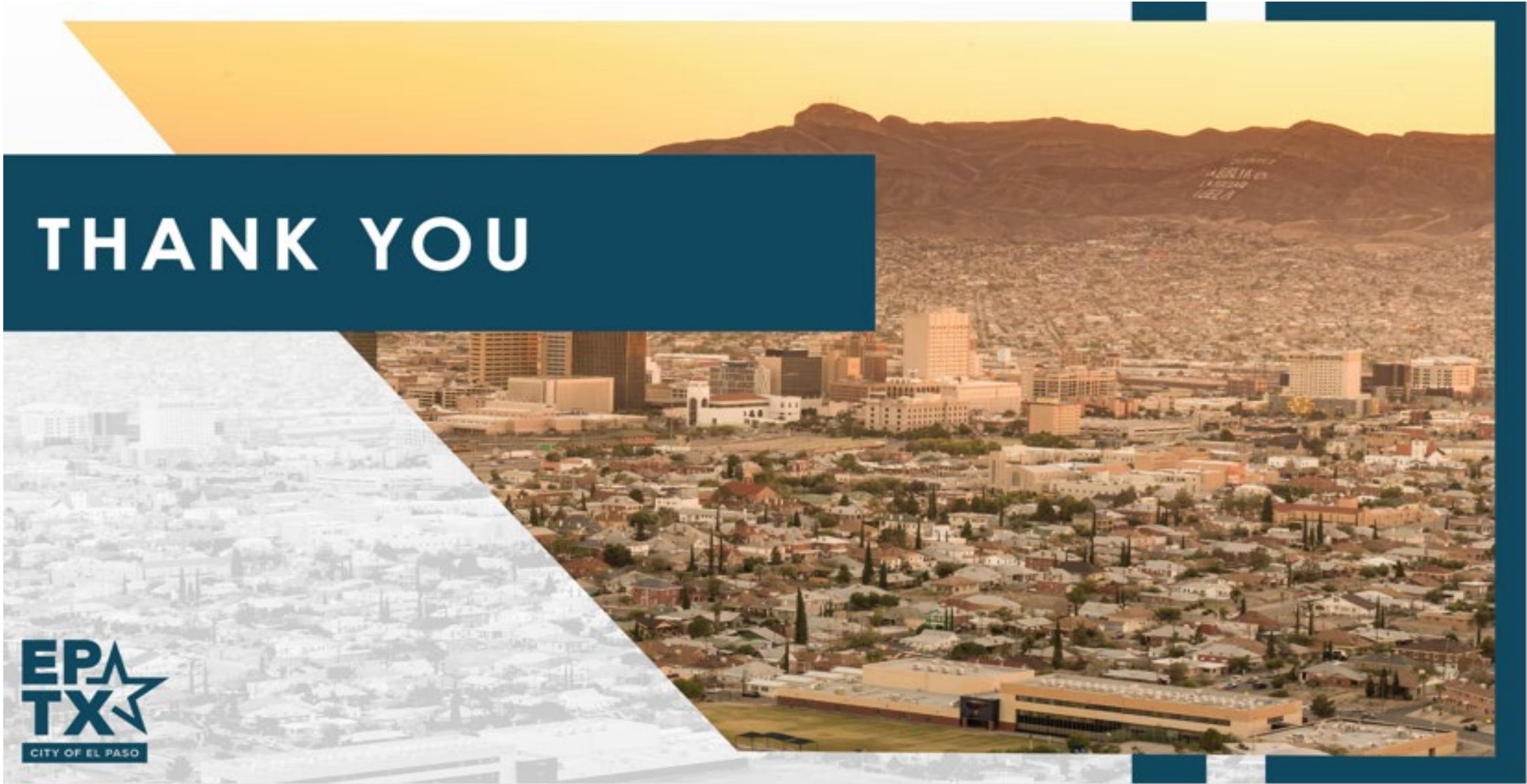
0 1.75 3.5 7 Miles

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8/15/2018

Procurement Summary

- Request for Qualifications advertised on September 7, 2021
 - One (1) firm submitted a Statement of Qualifications
- Recommendation
 - Award the contract to Transmap Corporation, in the amount of \$652, 895.93
 - Preliminary Schedule
 - ✓ Data Collection: November through December 2021
 - ✓ Data analysis January – March 2022

THANK YOU



Mission

Deliver exceptional services to support a high quality of life and place for our community

Values

Integrity, **R**espect, **E**xcellence,
Accountability, **P**eople

Vision

Develop a vibrant regional economy, safe and beautiful neighborhoods and exceptional recreational, cultural and educational opportunities powered by a high performing government