

Collaboration. Commitment. Confidence.[™]

Pavement Management 102

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What is a Pavement Management Program?

Executive Dashboard



- StreetSaver[®] developed by MTC and used by <u>ALL</u> cities and counties in Bay area
- Used by over 300 agencies in CA
- Makes cost-effective decisions
- Answers 4 main questions
 - 1. What streets does the City own/maintain?
 - 2. What condition are they in?
 - 3. What repairs are needed & when?
 - 4. How much funding is needed to maintain or improve streets?

What Condition Are Streets In?



www.ncenet.com

Pavement Condition Index (PCI) & How it Relates to Treatments



Pavement Condition Index (PCI)

Typical Decision Tree



Importance of Preventive Maintenance



Residents experience a higher level of service & City saves money

www.ncenet.com

Benefits of Preventive Maintenance



Reconstruction Is Not As Cost-Effective



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Scenario 1: Existing Funding Level



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Scenario 2: Maintain PCI at 55



Scenario 3: Improve PCI to 60



Scenario 4: Improve PCI to 67



Maps Tell The Whole Story

2024 Pavement Condition



2033 (Existing Budget)



2033 (Improve to 67)





Typical Funding Sources

Federal

Community Development Block Grant (CDBG)

- Surface Transportation Program (STP)
- Bipartisan
 Infrastructure
 Investment and Jobs
 Act (IIJA)
- Inflation Reduction Act (IRA)

State

• Gas Tax

- Transportation
 Development Act (TDA)
- State Transportation Improvement Program (STIP)
- CalRecycle
- Safe Routes to School
- Traffic Congestion Relief Fund

Local

- General Fund/Measure HH
- Measure BB (\$3.6M)
- Vehicle Registration Fees (\$440K)
- Parcel Tax
- Bond Measures
- Impact Fees
 - Development
 - Waste Vehicle
 - Utility Cut

What Do Other Cities Do?

- Oakland
 - Measure KK (2016) Provided \$600 m in bond funding for streets, public facilities and affordable housing
 - Measure U (2022) Provides \$850 m in general bonds
 - Utility Cut Fee
- Orinda
 - Measure L (2015) ½ cent sales tax \$1 m/year
 - Measure J (2016) \$20 m general bonds
 - New Measure (20xx) \$22 m general bonds
- Moraga
 - Measure K (2012) 1 cent sales tax \$1m/year
 - Utility Cut Fee
- Berkeley
 - Measure ?? (2024) parcel tax to raise \$144 m to \$235 m over 12-14 years

Summary

- MTC's Street Saver program allows the City to perform cost benefit analysis to improve street conditions.
- Existing Funding of \$4 M/year will result in:
 - PCI deteriorating to 46 by 2033
 - Unfunded backlog doubles
 - Very small impact to roadway PCI when used for reconstruction
- If regular street sealing is not performed, streets in Good or Fair condition will deteriorate to Poor and require a more expensive fix.
- Alternative funding sources are needed for long term maintenance of streets to improve PCI.