

Presentation Outline

- Pavement Management Introduction
- Network Definition
- Phase 1 PCI Assessment Results
- Budget Scenario Results Example
- Multi-Year Project Plan Example

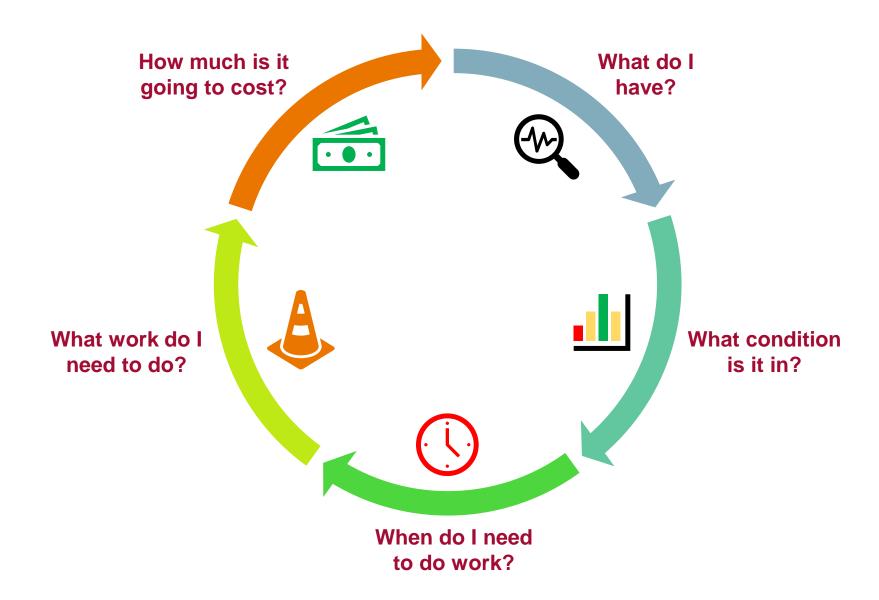


Objectives of Pavement Management

- Protect Your Investment: Maximize pavement life span
- Safety: Provide timely repairs
- Make Informed Decisions: Understand full network needs
- Plan Ahead: Accurately predict budgets
- Save Money: Minimize cost, maximize value
- Apply the right treatments at the right place at the right time



Pavement Management Basics

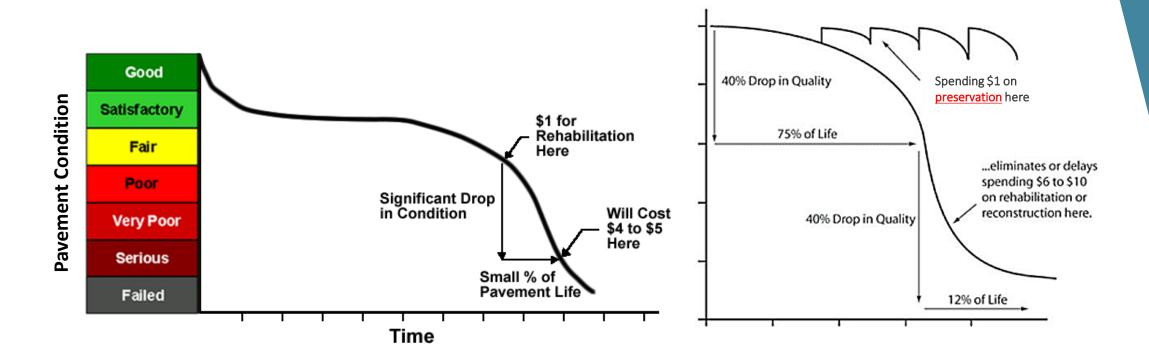


Pavement Management Basics



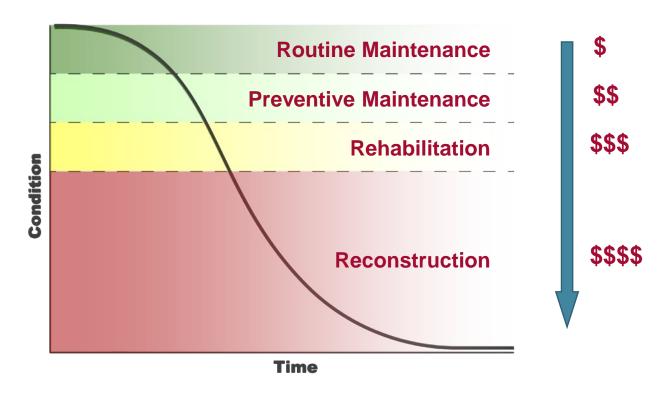
Pavement Deterioration

- Stay ahead of the curve
- Apply the right treatment at the right place at the right time

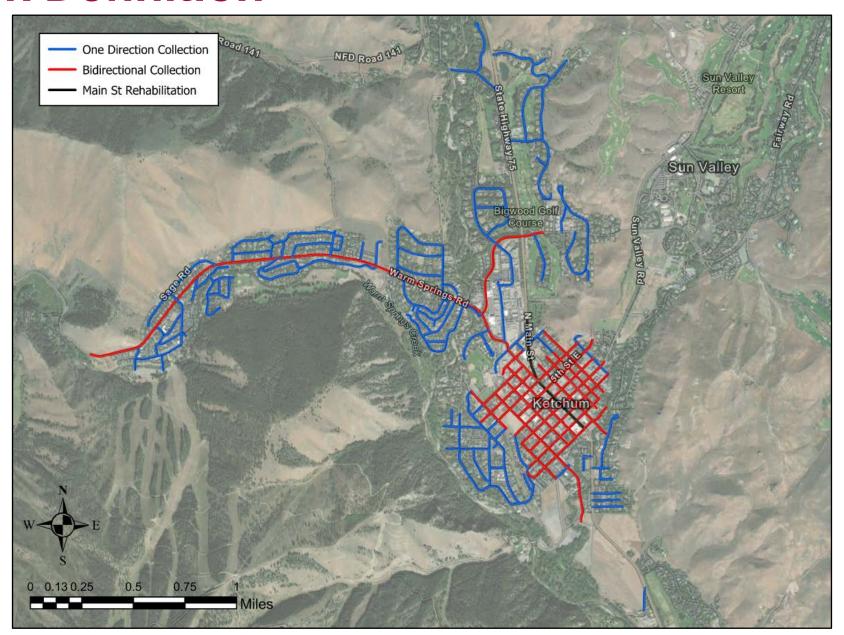


When Do I Need To Do Work?

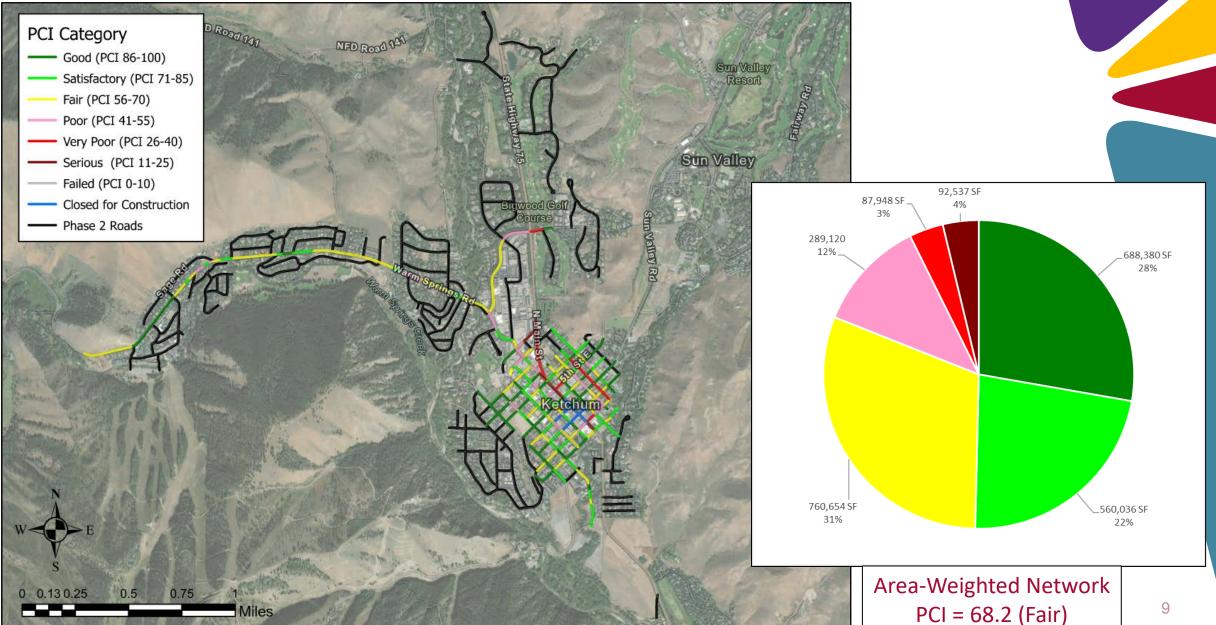
- Deterioration modeling
- Critical thresholds
- Prioritization strategies



Network Definition



Pavement Condition Index (PCI) Results – Phase 1

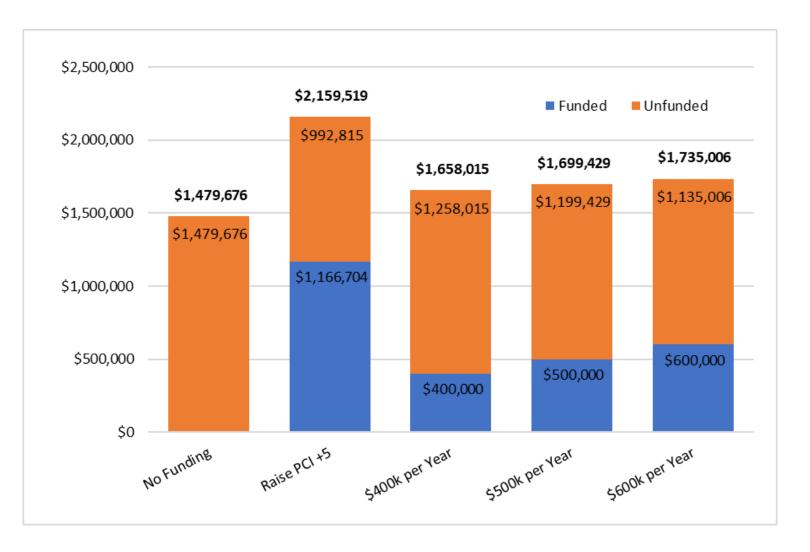


Maintenance Assignment Example

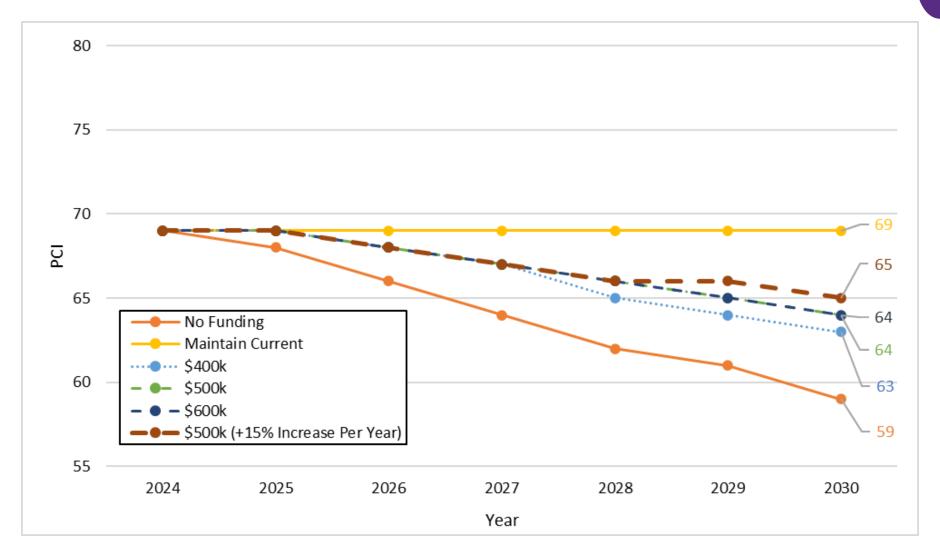
PCI Range	Repair Category	AC Recommended M&R Treatment	Cost (\$/SF)	
90-100	Monitor	Monitor Conditions	\$ -	
71-89	Preventive	Crack Seal + Slurry Seal	\$ 0.08	
56-70	Minor Rehabilitation	Mill and Overlay	\$ 2.51	
41-55	Major Rehabilitation	Mill and Overlay + Base Repair	\$ 4.28	
0-40	Reconstruction	Full-Depth Reconstruction	\$ 8.85	

Road	Section	Surface	Length	Area	DCI	Condition	Repair	Unit Cost (\$/SF)		Estimated	
Name	ID	Туре	(ft)	(SF)	PCI	Category	Category			Cost	
Dillard Rd	024	AC	528	6,072	80	Satisfactory	Preventive	\$	0.08	\$	600
Dillard Rd	025	AC	528	6,072	70	Fair	Minor Rehabilitation	\$	2.51	\$	15,300
Dillard Rd	026	AC	492	5,654	74	Satisfactory	Preventive	\$	0.08	\$	500
Exit 9 EB	001	AC	407	10,578	44	Poor	Major Rehabilitation	\$	4.28	\$	45,300
Exit 9 EB	002	AC	528	13,728	75	Satisfactory	Preventive	\$	0.08	\$	1,200
Exit 9 EB	004	AC	341	8,864	37	Very Poor	Reconstruction	\$	2.51	\$	22,300
Exit 9 EB	005	AC	528	13,728	16	Serious	Reconstruction	\$	2.51	\$	34,500
Exit 9 WB	001	AC	267	6,954	61	Fair	Minor Rehabilitation	\$	2.51	\$	17,500
Exit 9 WB	002	AC	528	13,728	62	Fair	Minor Rehabilitation	\$	2.51	\$	34,500
Exit 9 WB	003	AC	528	13,728	37	Very Poor	Reconstruction	\$	2.51	\$	34,500
Folsom Blvd	001	AC	528	11,616	95	Good	Monitor	\$	-	\$	-
Folsom Blvd	002	AC	528	11,616	99	Good	Monitor	\$	-	\$	-
Folsom Blvd	003	AC.	528	11.616	94	Good	Monitor	Ś	_	Ś	-

Budget Analysis Results Example



Budget Analysis Results Example



Multi-Year Plan Results Example

CIP	Street	Section	Length	Area	2023	Project	Admin	Constr.	Total	
Year	Name	ID	(ft)	(SF)	PCI	PCI	Cost	Cost	Cost	
2025	EL TORO	12246 W	590	28,656	70	69	\$14,000	\$75,000	\$264,000	
2023	ROAD	15043 W	1,315	56,577	82	81	\$27,000	\$148,000		
	SANTA	22673 E	552	16,240	77	75	\$8,000	\$42,000	\$259,000	
2026	MARIA	22675 E	1,712	48,180	83	81	\$23,000	\$126,000		
	AVENUE	24039 E	756	19,082	85	83	\$10,000	\$50,000		
	MOULTON	15993 N	1,210	50,614	78	76	\$25,000	\$132,000	\$329,000	
2027		15995 N	755	29,808	79	77	\$15,000	\$78,000		
	PARKWAY	15997 N	575	25,808	84	82	\$12,000	\$67,000		
2020	EL TORO	14256 W	1,495	64,885	79	76	\$32,000	\$170,000	\$305,000	
2028	ROAD	14254 W	750	33,150	83	80	\$16,000	\$87,000		
2029	MOULTON	16005 N	710	38,896	79	75	\$19,000	\$102,000	¢221.000	
	PARKWAY	16001 N	1,518	67,802	85	81	\$33,000	\$177,000	\$331,000	
2020	MOULTON	16006 S	720	32,690	80	76	\$16,000	\$85,000	622E 000	
2030	PARKWAY	16002 S	1,515	72,426	85	81	\$35,000	\$189,000	\$325,000	
	SANTA	24036 W	772	18,621	82	77	\$9,000	\$49,000	\$350,000	
2031		24038 W	812	23,832	82	77	\$12,000	\$62,000		
	MARIA AVENUE	22676 W	1,732	49,952	84	79	\$25,000	\$131,000		
		22674 W	552	19,704	85	80	\$10,000	\$52,000		
2022	EL TORO	14245 E	580	25,368	84	78	\$12,000	\$66,000	¢276.000	
2032	ROAD	14259 E	1,585	63,918	84	78	\$31,000	\$167,000	\$276,000	
2033	EL TORO	14248 W	1,175	52,775	84	78	\$26,000	\$138,000	\$343,000	
2033	ROAD	14260 W	1,585	57,258	86	80	\$29,000	\$150,000		
2024	MOULTON	15994 S	555	25,063	85	78	\$12,000	\$66,000	\$336,000	
2034	PARKWAY	16004 S	1,995	83,152	85	78	\$41,000	\$217,000		

Multi-Year Plan Results Example

