



PRACTICAL ROAD NETWORK MANAGEMENT

CITY OF STARKVILLE ENGINEERING DEPARTMENT



OVERVIEW



WHY
PAVEMENT
PRESERVATION



WHAT
IS PAVEMENT
PRESERVATION

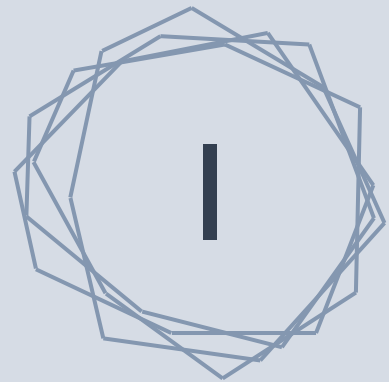


HOW
TO START A HOLISTIC
PAVEMENT PROGRAM



PLANNING
EVERY MILE

*HOW MUCH SHOULD I SPEND EACH YEAR
TO ENSURE MY ROADS ARE NOT
GETTING WORSE?*



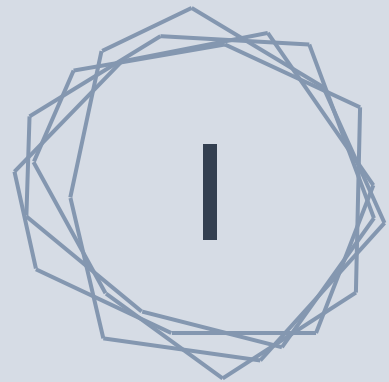
WHY

IT'S JUST A ROAD...?

LARGEST ASSET

MOST EXPENSIVE ASSET

SHORTEST LIFE



WHY

OVERVIEW



WHY
PAVEMENT
PRESERVATION



WHAT
IS PAVEMENT
PRESERVATION



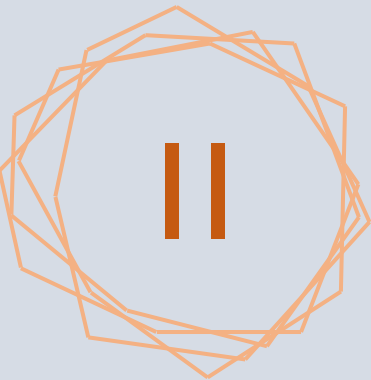
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PLANNING
EVERY MILE

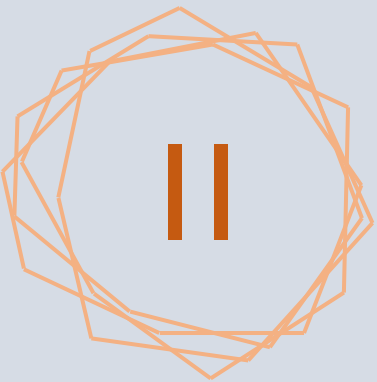
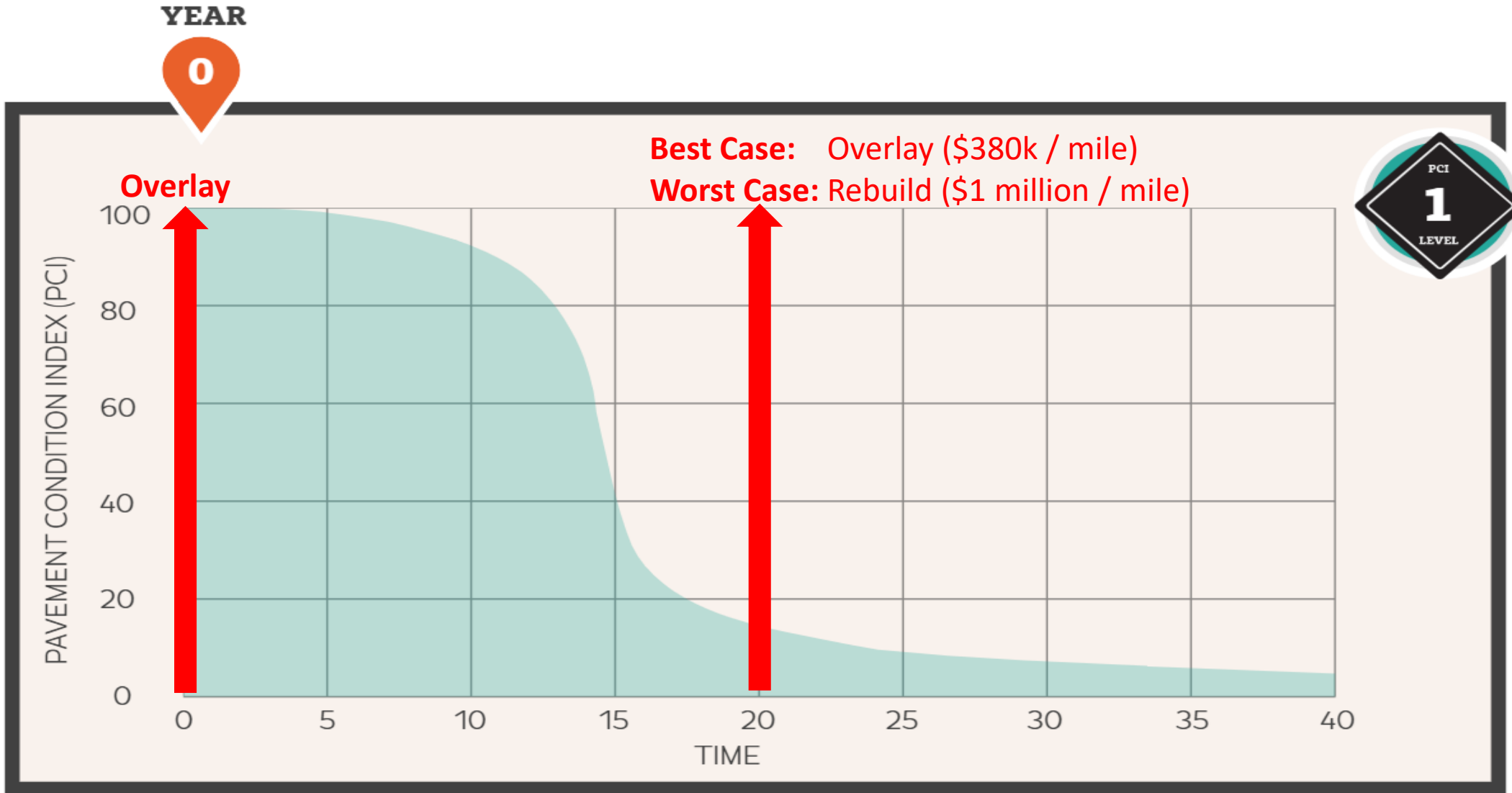
HOLISTIC PAVEMENT PROGRAM PAVEMENT PRESERVATION PHILOSOPHY

A PHILOSOPHY OF MAINTENANCE



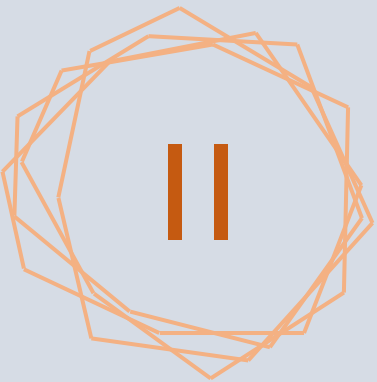
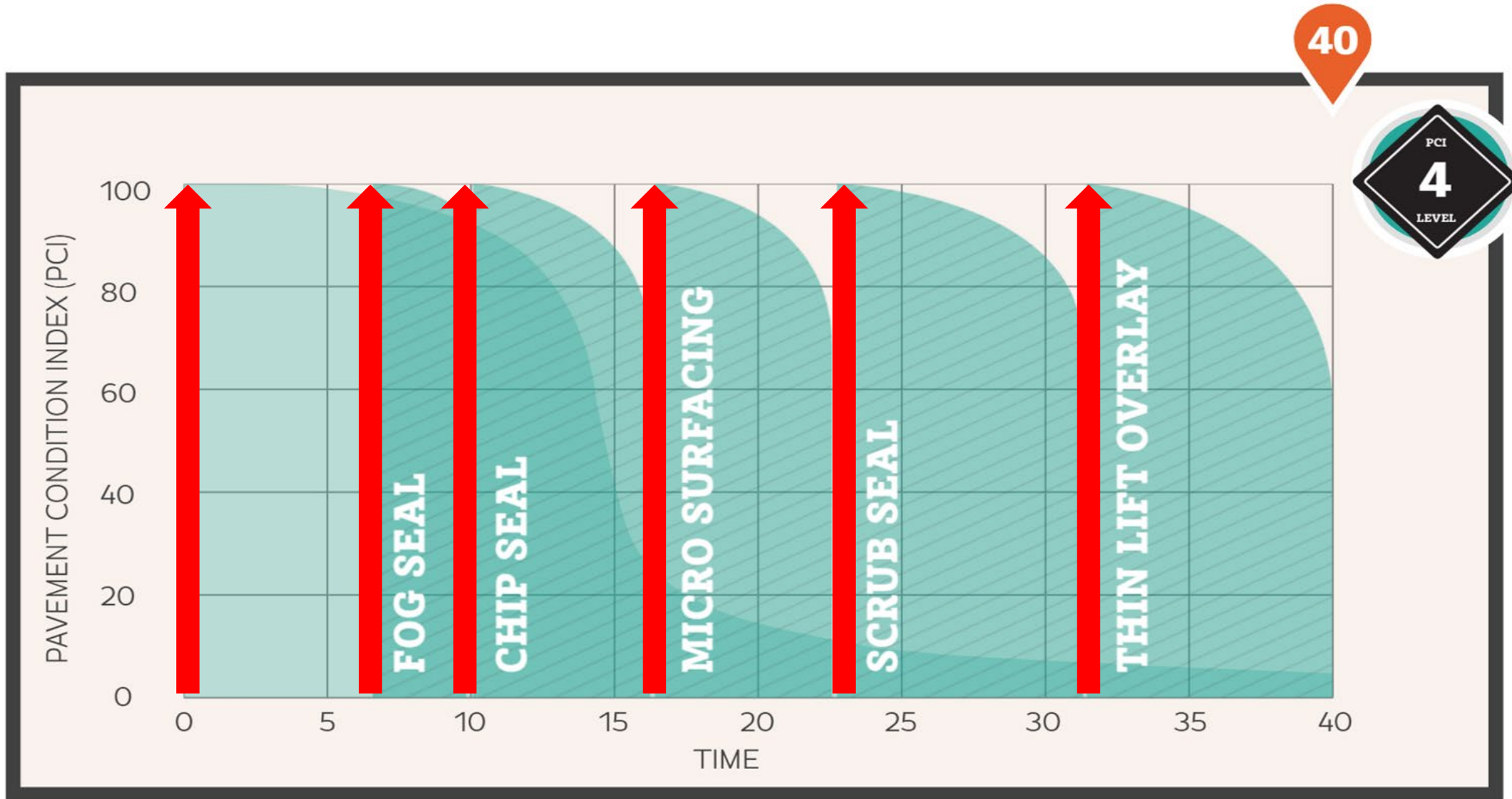
WHAT

PAVEMENT PRESERVATION PHILOSOPHY



WHAT

PAVEMENT PRESERVATION PHILOSOPHY



WHAT

PAVEMENT PRESERVATION PHILOSOPHY: WORST FIRST?



PAVEMENT PRESERVATION PHILOSOPHY: WORST FIRST?



OVERVIEW



WHY
PAVEMENT
PRESERVATION



WHAT
IS PAVEMENT
PRESERVATION



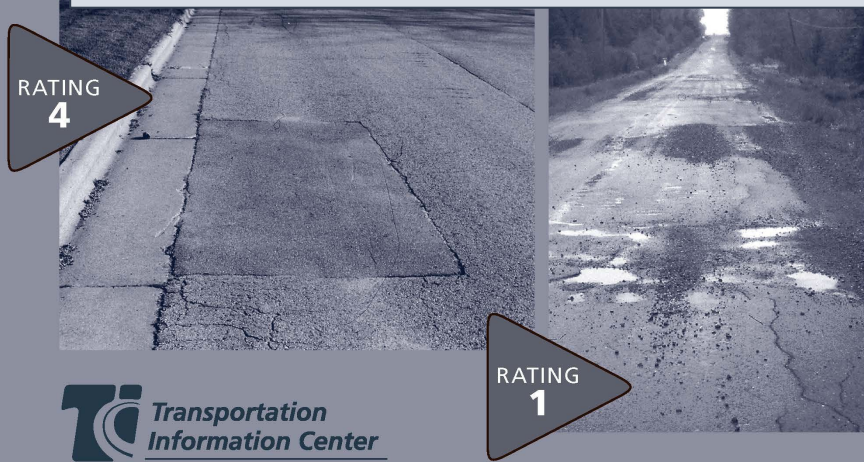
HOW
TO START A HOLISTIC
PAVEMENT PROGRAM



PLANNING
EVERY MILE

Pavement Surface Evaluation and Rating

PASER Asphalt Roads Manual



Transportation Information Center
University of Wisconsin–Madison



HOW

TAMC DATA COLLECTION TRAINING

PASER - IBR

REGISTER NOW!

2025 Training

The Center for Technology & Training is bringing you opportunities to complete your PASER and IBR training this year. Please visit <https://ctt.mtu.edu/events/tamc-data-collection-training> to register and find more information regarding the TAMC Data Collection Policy and training required to rate roads.

IBR

Learn the basics of using the Inventory-Based Rating (IBR) System™ for rating unpaved roads.

- January 21, 2025 9am - 11am ET (Webinar)

PASER Class 2

Class 2 is an intro to the PASER system. It includes TAMC updates on data collection & council updates, rating rules and tips, interactive rating exercises on asphalt, concrete, and sealcoat roads.

- February 18, 2025 9am - 12pm ET (Webinar)
- March 4, 2025 9am - 12pm ET (Webinar)
- May 13, 2025 9am - 12pm ET (Webinar)
- August 26, 2025 9am - 12pm ET (Webinar)

www.michigan.gov/mic/tamc/training/paser

Class 1 covers distress identification for asphalt, concrete & sealcoat roads and sets the foundation for the PASER visual rating system.

- February 18, 2025 9am - 12pm ET (Webinar)
- March 4, 2025 9am - 12pm ET (Webinar)
- May 13, 2025 9am - 12pm ET (Webinar)
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PASER Class 1 sessions are virtual only.

COST

- **Webinars: Free**
- **In-Person: \$15**

Please click the link below for registration deadlines

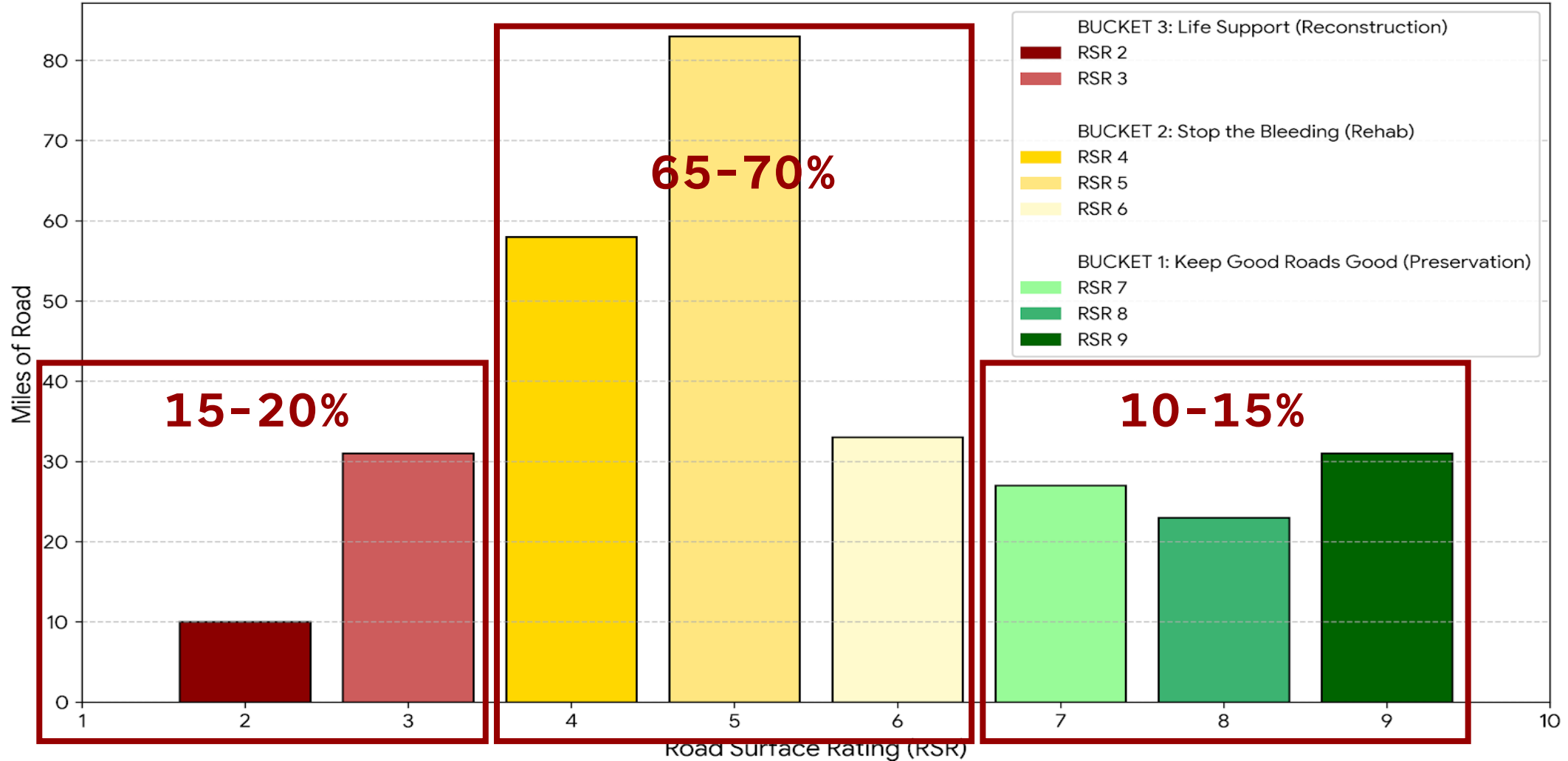
To learn more about PASER & IBR Training or to register, visit:
<https://ctt.mtu.edu/events/tamc-data-collection-training>

Registration is required for fulfillment of continuing education. Read the Center for Technology & Training policy [here](#). No-shows/cancellations within three business days of the event are charged the full registration fee; substitutions accepted. Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities. Accommodation requests related to a disability should be made at least ten business days prior to the event by emailing ctt@mtu.edu.



STARTING A PROGRAM

The "Three Bucket" Network Distribution



HOW

STARTING A PROGRAM

1	2	3	7	8	9	10	11
RATING	MILES	TREATMENT	CONSTRUCTION COST (lane-mile)	TOTAL LIABILITY	FREQUENCY (years)	COST PER YEAR	CONTRACT TYPE
9	31	Defer	\$0	\$0	0	\$0	N/A
8	23	Fog + Crack Seal	\$12,000	\$276,000	5	\$55,200	PRESERVATION
7	27	Fog + Crack Seal	\$20,000	\$540,000	5	\$108,000	PRESERVATION
6	33	Single Treatment	\$60,000	\$1,980,000	7	\$282,857	PRESERVATION
5	83	Double Treatment	\$85,000	\$7,055,000	10	\$705,500	PRESERVATION
4	58	Overlay	\$150,000	\$8,700,000	15	\$580,000	ASPHALT
3	31	Overlay (major)	\$190,000	\$5,890,000	20	\$268,443	ASPHALT
2	10	FDR	\$550,000	\$5,500,000	0	\$0	FDR



HOW

BUDGET SCENARIO = \$2,000,000



7

8

CRACK SEAL



90823

23786

7

8

FOG SEAL

HISTORIC
STARKVILLE
MISSISSIPPI'S COLLEGE TOWN

**ROADWAY IMPROVEMENT
COMING TO THIS AREA**



SCAN
FOR
MORE
INFO!

REALTY PARTNERS
SARAH RYDER
662-322-7257
662-322-6036
FOR SALE



6

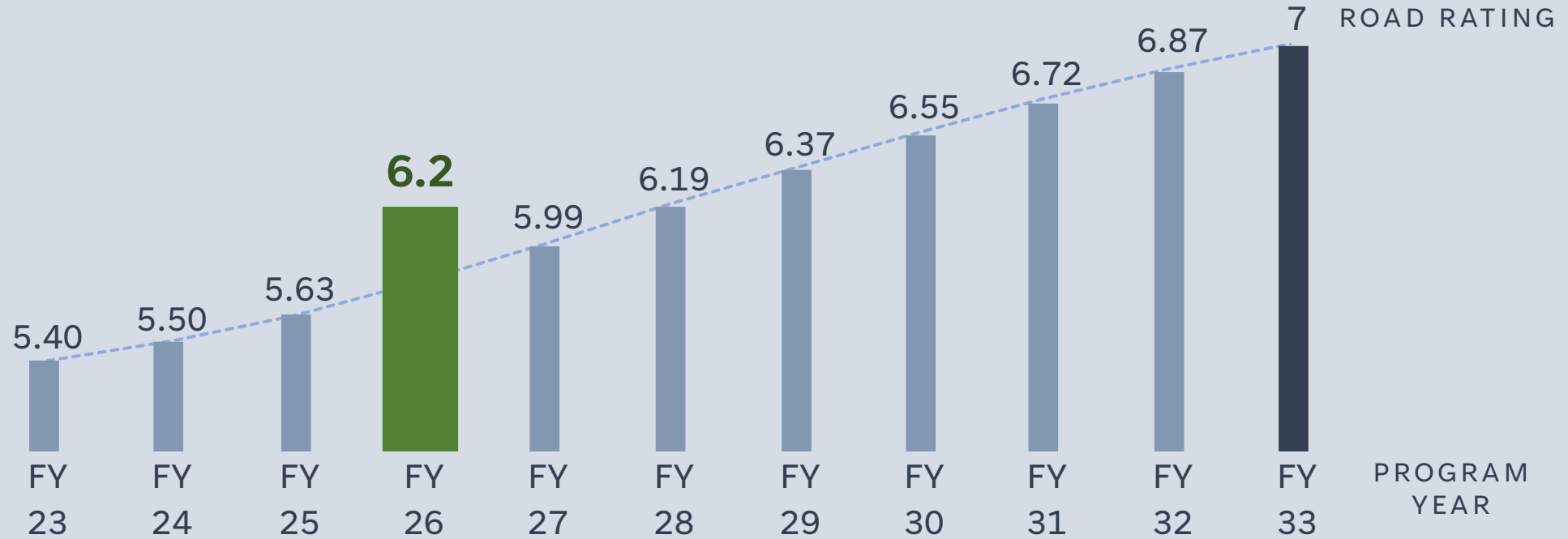
MICROSURFACE



5

CAPE SEAL

WHAT'S THE END GOAL



HOW



FY 24 - 33 | 10 YEAR PAVEMENT PROGRAM

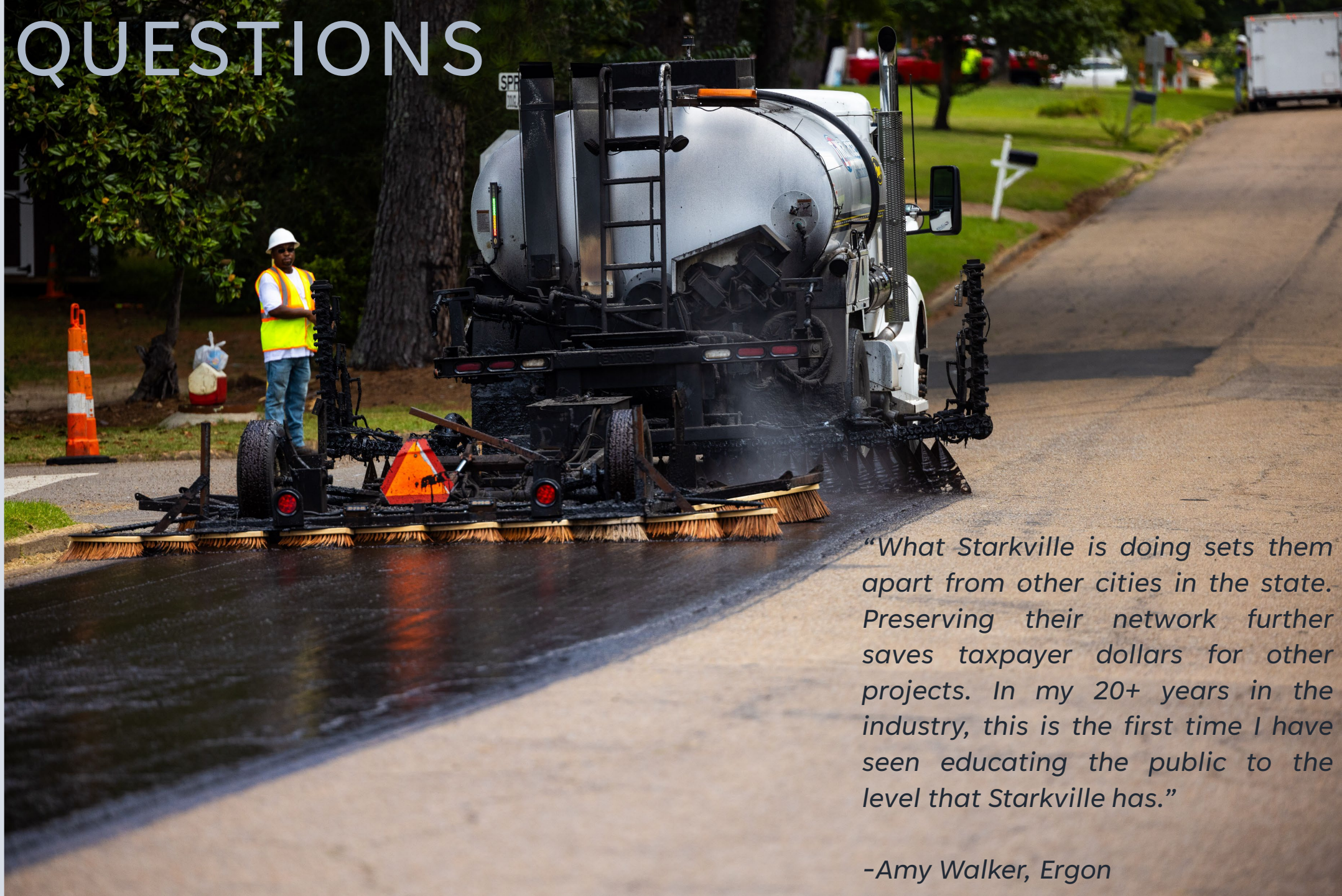


FY 33 EXPECTED AVERAGE PAVEMENT CONDITION



MILLION EXPECTED ANNUAL MAINTENANCE

QUESTIONS



“What Starkville is doing sets them apart from other cities in the state. Preserving their network further saves taxpayer dollars for other projects. In my 20+ years in the industry, this is the first time I have seen educating the public to the level that Starkville has.”

-Amy Walker, Ergon



STARTING A PROGRAM

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HOW

BUDGET SCENARIO = \$2,000,000

STARTING A PROGRAM

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4	58	Overlay	\$150,000	\$8,700,000	15	\$580,000	ASPHALT
3	31	Overlay (major)	\$190,000	\$5,890,000	20	\$634,221	ASPHALT
2	10	FDR	\$550,000	\$5,500,000	0	\$634,221	FDR



HOW

BUDGET SCENARIO = \$3,000,000