



Spalding DeDecker Associates, Inc.

and

EASTERN
MICHIGAN UNIVERSITY

**Join Forces to Develop a Proactive
Pavement Management Program**

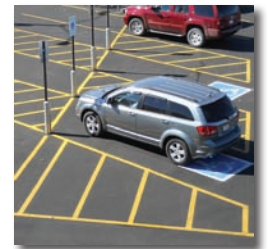
How it All Started

The NEEDS of the CLIENT, Eastern Michigan University:

As a proactive institution, EMU recognizes the need to maintain their pavement, one of the University's largest assets.

Why is Pavement Important?

- Public Safety
- ADA Compliance
- Financial Value
- Short-Term Investments Provide Long-Term Savings



The Basics

Eastern Michigan University's CHALLENGES:

- Determine current maintenance plan deficiencies
- Determine where to focus repairs
- Determine how much money to budget for the plan



SDA's Role

- Performed a campus-wide pavement assessment
- Utilized proven techniques to prioritize problem areas
- Provided cost estimates anticipated for annual maintenance
- DEVELOPED A LONG-TERM PAVEMENT MANAGEMENT PROGRAM

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Results

Eastern Michigan University Can Now:

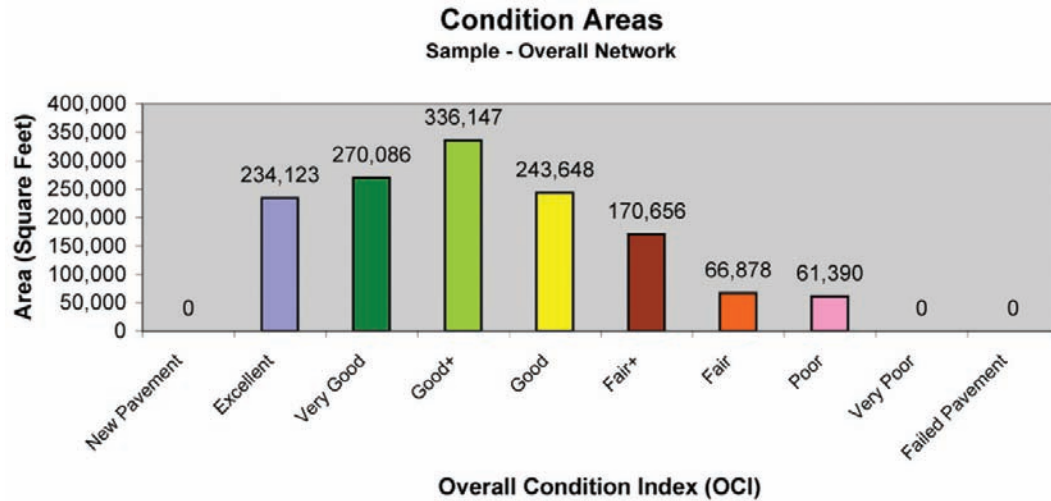
- Confidently plan for appropriate annual repairs
- Estimate and allocate appropriate funds to continue the program
- Rest assured one of their largest assets is being well maintained and protected, improving its long-term value

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The Program Included the Following:

1. Condition Assessment

of all campus pavement with graphical representation of the various conditions



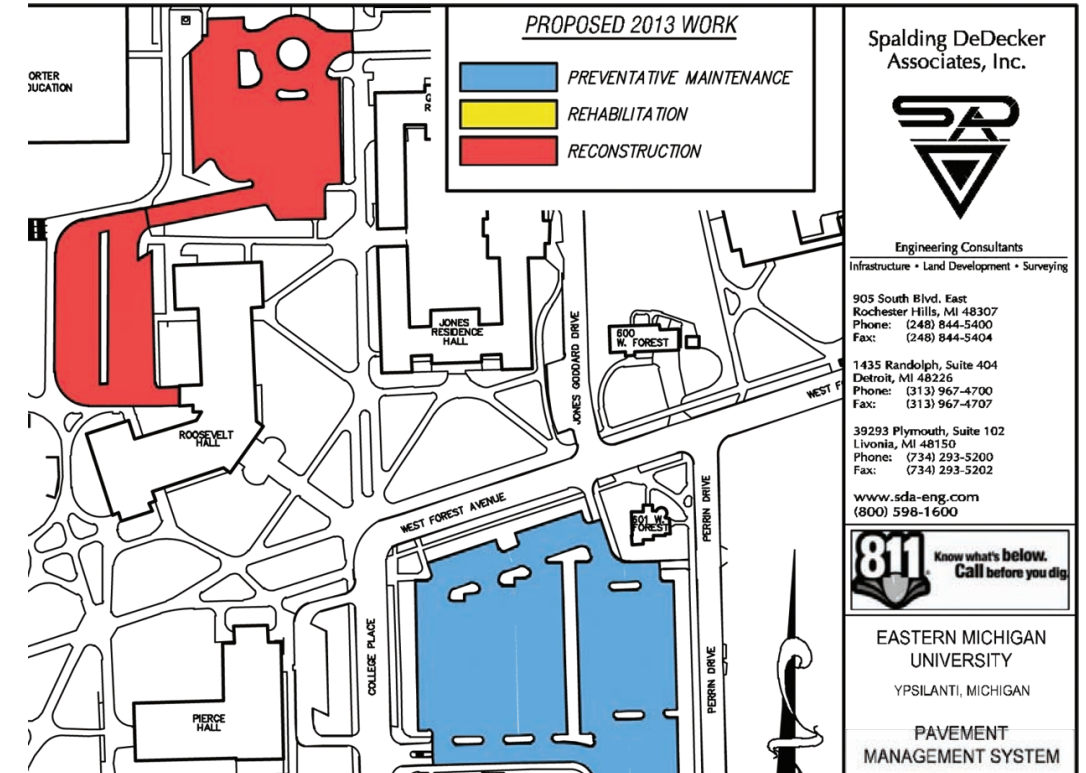
Note: The data presented above is a generic sample of the output and does not reflect EMU's current conditions or budget.

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The Program Included the Following:

2. Long-Range Repair Plans

indicating annual repair areas, up to 10 years

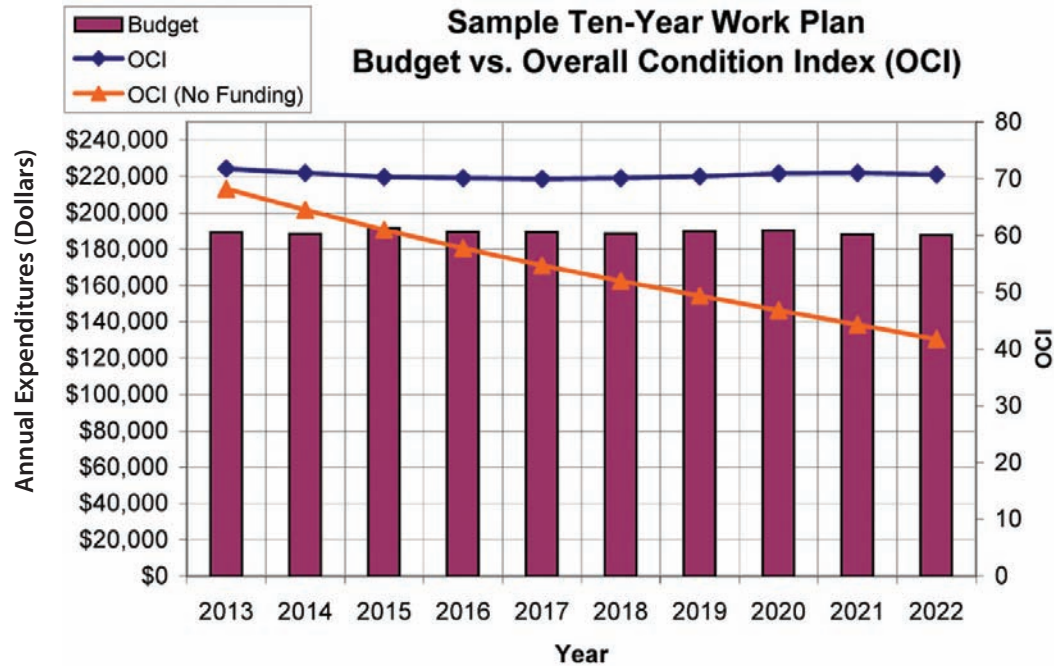


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The Program Included the Following:

3. Condition Tracking

over that repair period if repairs are implemented, as well as tracking of the condition if repairs are not implemented



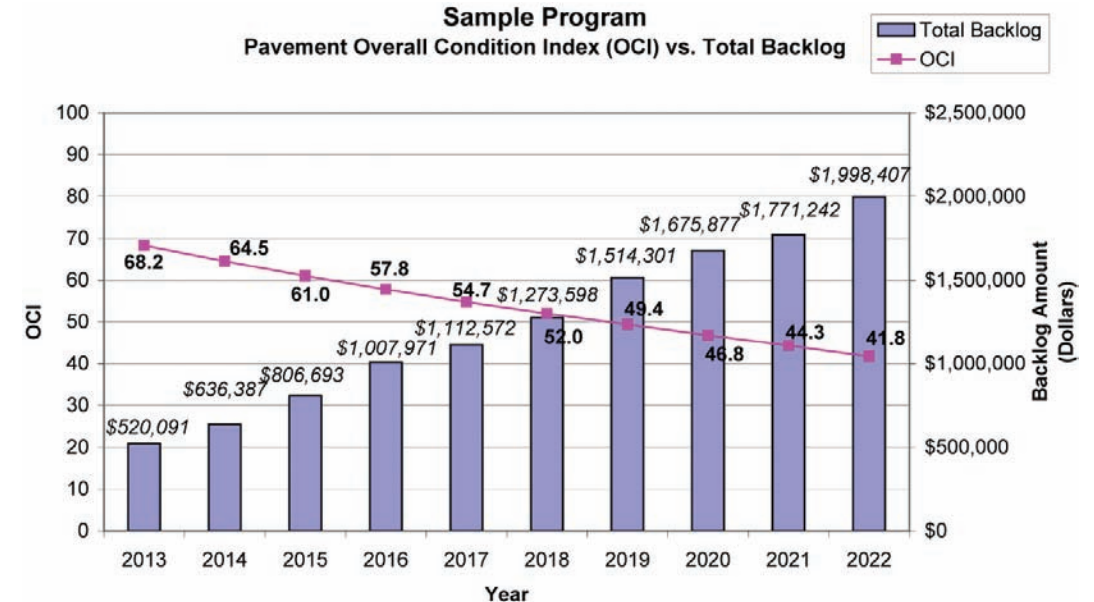
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The Program Included the Following:

4. Backlog Tracking

if repairs are not completed, or budgets are reduced



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Pavement Management

SDA's Pavement Management Plan transforms maintenance programs from reactive to proactive. Because pavement replacement is one of the largest expenses a facility may incur, understanding the impact is key for future planning. Providing technical information on pavement performance allows managers to make cost-effective decisions and reduce future costly repairs.

SDA's cost-effective "value engineered" approach addresses the financial impact when making long-term program decisions and provides alternatives for improved cost-to-benefit ratios. Capital expenses are limited; therefore, every decision made requires technical understanding and sound engineering options based upon data collection and experience.

Services

- Pavement Condition Assessment
- ADA Compliance Upgrades
- Engineering Document Preparation
- Pavement Coring and Testing
- Pavement Repair Plans
- Cost Opinions
- Pre-Bid/Pre-Construction Meetings
- Construction Contract Administration
- Construction Observation
- Site Management
- Pavement Network Management
- Budget Scenarios/5-Year Planning
- Facility Management Systems
- Expert Witness

Let SDA help you get a handle on your pavement maintenance. Please contact Tom Sovel at (248) 844-5400 for more information.

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About Spalding DeDecker Associates, Inc.

Established in 1954, Spalding DeDecker Associates, Inc. (SDA) is an employee-owned engineering consulting firm specializing in infrastructure, land development, and surveying. With offices in Detroit, Rochester Hills, and San Antonio, and multiple field offices, SDA offers a diverse core of engineering, surveying, construction engineering, and landscape architectural services for municipal, land development, transportation, and water/wastewater projects.





Spalding DeDecker Associates, Inc.

The Benchmark of Excellence.

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