

# CASE STUDY

## US 10 MICHIGAN

### MICHIGAN DEPT. OF TRANSPORTATION

PAVED ROAD REPAIR



#### PROJECT SUMMARY

A six mile stretch of US 10E between Coleman, MI and Sanford, MI was in need of repair due to major drainage issues on the highway. Thirty-eight defects were fixed prior to installing REFLECTEX®, a solar reflective concrete pavement interlayer geotextile. Traffic was converted to the westbound lanes while construction was completed. During installation, REFLECTEX provided a 33 degree differential between the asphalt interlayer and the product, eliminating the need to cool the surface with water. Additionally, its durable design held-up well to heavy construction traffic. The paving contractor complimented the durability of REFLECTEX and was pleased that there was no need for multiple contractors to complete the project.



**PROBLEM** 50 years of use cause major drainage issues on US 10E



**SOLUTION** REFLECTEX® concrete interlayer fabric



**INSTALLATION** REFLECTEX® was installed 6" off each side of the roadway



**PERFORMANCE** REFLECTEX® holds-up against heavy construction traffic

#### FEATURES & BENEFITS

- Reduces surface temperature by 50°F, eliminating the need to cool surface with water
- Provides greater stress absorption resulting in greater performance and less cracking
- Reduces early age cracking by up to 10%
- Wider rolls allow for easy and rapid installation
- Moderates cold surface temperatures
- Provides disbanding beneath new Portland Cement Concrete (PCC) surface layer to decrease friction between layers
- Reduces the risk for freeze/thaw damage
- Improves worker safety by decreasing heat stresses
- Eliminates need for Hot Mix Asphalt
- Installs faster than traditional methods saving money and creating less traffic disruptions



VISIT OUR WEBSITE FOR MORE INFORMATION, PRODUCT SAMPLES OR OTHER INQUIRIES OR CALL CUSTOMER SERVICE AT 1.800.621.1273



P.O. Box 19269  
4019 Industry Dr.  
Chattanooga, TN 37416 USA  
PH: 800 621 1273  
FAX: 423 899 5005  
www.propexglobal.com