



MAY 2013



SEPTEMBER 2018

## Case Study / Roseburg, OR

### SOLUTION:

Weigh-in-motion (WIM) stations are subject to accelerated pavement deterioration due to high dynamic loads and constant braking. Due to the excessive rutting and cracking frequently experienced, Oregon DOT maintenance engineers, responsible for the WIM station on I-5 in Roseburg, OR, indicated the pavement required replacement approximately every 2 years. FORTA-FI® reinforced asphalt was used to increase structural capacity and pavement durability while minimizing cracking and rutting.

### UPDATE:

After nearly 6 years of service, minimal rutting and 1 minor crack were observed. FORTA-FI has extended the pavement life by 3X and is still performing well.

### PROJECT VALUE:

Pavement Life Extension, >3X  
Significant Life Cycle Cost Savings  
Reduced Rutting, >100%

### FEATURES



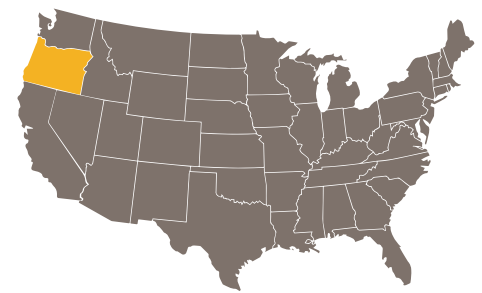
- / High Tensile Strength; 5x Stronger than Steel
- / Complete and Uniform Distribution
- / Feeds Easily into Batch or Drum Plants

### BENEFITS



- / Reduced Initial Project Cost; Optimized Pavement Thicknesses
- / Extended Pavement Life
- / Cracking and Rutting Resistance
- / Reflective Crack Mitigation

Learn more about FORTA-FI® and other cost-effective pavement reinforcement systems at [PacificGeoSource.com](http://PacificGeoSource.com)



### PROJECT NAME:

I-5 South WIM Ramps

### PAVEMENT SOLUTION DETAILS:

FORTA-FI® Mill and Inlay

### LOCATION:

Roseburg, OR

### DATE:

May 2013

### PRODUCT:

FORTA-FI®

### OWNER:

Oregon DOT

### CONTRACTOR:

Oregon DOT

### ASPHALT PRODUCER:

Copelands



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# Road-Tested Pavement Solutions /



## Pacific GeoSource Will Save You Money /

We significantly reduce the up-front and life-cycle costs for road, highway, and parking lot projects by optimizing layer thicknesses and implementing reinforcement technologies to extend pavement life and lower long-term maintenance costs.



## Pacific GeoSource Will Save You Time /

We offer pavement reinforcement systems designed to accelerate your construction projects timeline, and our in-house engineering services deliver custom solutions to your design team quickly.



## Pacific GeoSource Will Make It Easy /

Clients turn to us not just for industry-leading, easily specified and constructed pavement reinforcement systems but also for trusted advice. From design through installation and follow-up, we put our construction and engineering expertise to work ensuring your project flows seamlessly and exceeds your highest expectations.



## Pacific GeoSource Is Your Trusted Partner /

Our long track record of success providing value-engineered solutions uniquely positions us to advise our clients on ways to save money and address challenges. Our organization-wide commitment to service at each step of the process is unparalleled.

## Value Oriented /

Pacific GeoSource offers proven asphalt and aggregate reinforcement products and a value-engineering approach to projects and clients of all sizes. Our turnkey project delivery model and breadth of experience create cost-effective, high-performance pavements. We know what works in each market and in all climates because we work in the trenches with roadway agencies, housing developers, private companies, engineering firms, and other stakeholders. We are committed to saving you money, completing projects on time, and exceeding expectations.

## Where Pacific GeoSource Products and Services are Used /

- / Interstates and high-volume roads
- / Warehouses, distribution centers, and trucking facilities
- / City, County, and State Roads
- / Commercial parking lots
- / Haul roads and working platforms
- / Ports and intermodal yards
- / Private residential streets
- / Schools and religious facilities



**FORTA-FI®**  
Stronger Asphalt



**Surface-EXT™**  
More Durable Surfaces



**RockGrid™**  
Aggregate Reinforcement



**RoadGrid™**  
Reflective Cracking Control



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