

Four different methods of fiber installation are discussed in this article. A good transfer function between the solid material subject to strain measurement and the fiber can be achieved with all these ...

This paper presents the installation and use of an innovative pavement monitoring system, which was developed to measure the effects of ...

This paper presents the installation and use of an innovative pavement monitoring system, which was developed to measure the effects of vehicle loads and temperature on the ...

This Application Note is intended to guide users of Luna's High Definition Fiber Optic Sensing (HD-FOS) system (the ODiSI) through the simple process of mounting a fiber sensor onto the surface of a test ...

This paper reviewed the common types and application scope of optical fiber sensors for transportation infrastructure, and the principle, technology development and application of optical ...

This applies to both existing cables and those installed specifically for distributed fiber optic sensing. This document provides guidance on best practices for the selection and installation of cables for ...

Sensor Line offers a comprehensive range of original parts and accessories to facilitate the installation and increase the performance as well as to ensure a flawless functionality of the fiber optic traffic ...

As part of a feasibility study, various setups of new developments in fiber-optic sensors were installed in a rehabilitated autobahn section in order to investigate traffic-related information as ...

This installation manual provides instructions for installing fiber optic traffic sensors in road surfaces.

It combines deflectometer and strain sensors designed for accurate measurement of pavement response under a moving load and provide reliable data to engineers in charge of improving ...

This article provides an overview of fiber optic sensor installation methods to help readers understand how a high-resolution distributed sensing system can be used in their applications.

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