Design, Fabrication and Testing of Low-Profile Composite Bypass Road Panel

Investigators: Silvia Rocca (Graduate Research Assistant)  
Dr. A. Nanni and Dr. V. Birman (Faculty Advisors)

Sponsored by: MODOT; Webcore, Inc

June 5th 2002

Objectives:
Demonstrate the feasibility of Fiber-Reinforced Polymer (FRP) systems such as sandwich panels for the development of low-profile temporary bypass roads or bridge decks.

Background:
In the Mid-America states the utilization of reusable FRP panels for temporary roadways has been identified as a high interest alternative to traditional construction.

Positive Aspects:
- Lifetime-75 years-Reuse on several projects.
- Easier to place and to take up than asphalt and concrete.
- Easy to transport and manipulate.
- Their use affects costs directly because the installation time is reduced.