Fiber Reinforced Polymer (FRP) Training

AASHTO T-6 Committee
June 25, 2019
Implementation Of AASHTO FRP Guide Specifications

- Design Guide Specifications for GFRP-Reinforced Concrete- NSF
- Design of Concrete Bridge Beams Prestressed with Carbon Fiber Reinforced Polymer (CFRP) Systems NCHRP Project 12-97
- Design of Bonded FRP Systems for Repair and Strengthening of Concrete Bridge elements-NCHRP Project 20-7/Task 428
Implementation Of AASHTO FRP Guide Specifications

- To facilitate the implementation of NCHRP research products by state DOTs and others, funding is available from the NCHRP Implementation Support Program.

- Funding requests will be reviewed and approved by NCHRP Panel 20-44

Possible implementation products and activities

Funding is available for, but are not limited to, the following:

- Demonstration or pilot projects in a host agency
- Workshops or peer exchanges
- Training
- Flyers, brochures, or videos for specific target audiences
- Briefing materials for senior management
Implementation Of AASHTO FRP Guide Specifications

- Industry-University Cooperative Research Centers (IUCRC)
- Federal-Private Funding
- FHWA-GFRP Industry

IUCRC Program
Training

Instructor Led Training (ILT-1.5 Day Workshops)

1. Module A - Design and Construction of Bridge Elements using GFRP(4-Hours)
2. Module B - Design and Construction of Prestressed Concrete Bridge Elements Using CFRP(4-Hours)
3. Module C - Design and Construction of Repair and Strengthening of Concrete Bridge Elements (4-Hours)

Training Conforms to AASHTO FRP Guide Specs
Training

Instructor Led Training (ILT-1.5 Day Workshops)

1. Two Instructors
2. 20 Workshops (20 States)
3. Additional Workshops - Based on Funding.
4. Estimated Cost is $7500/ Workshop – Development and Delivery
Next Step

AASHTO T-6 Committee

1. Submit applications-Request for Implementation Funding Assistance
   a. NCHRP20-44
   b. NSF

2. Collaboration- AASHTO, TRP and NSF on the scope of work (panels)

3. Collaboration- AASHTO, FHWA, Industry and Academia on Development and Delivery of Training

APPLICATION

Request for NCHRP Implementation Funding Assistance

The NCHRP is making funding available for products or activities that will facilitate the implementation plans of NCHRP project panels. The total amount available in FY2016 is approximately $1.5 million, and requests can range from $2,000 to $150,000 depending on the nature of the proposed activity. For funding requests in excess of $150,000, the project panel should prepare a continuation request for the next cycle of the full NCHRP program. Funding requests will be reviewed and approved by NCHRP Panel 20-44, who will also help panels coordinate with other national implementation funding programs, such as Every Day Counts (EDC), Accelerated Innovation Deployment (AID), Transportation Pooled Fund, and others.

The range of eligible products and activities is broad; some examples are listed in the Guide to NCHRP Implementation Plans. Eligible expenses include essential travel, production of materials, professional services, meeting costs, and necessary equipment.

The requests must be submitted by the chair or a member of the NCHRP project panel.

To apply for implementation funding assistance, please complete the following form, attach a copy of the panel’s implementation plan, and return them to the NCHRP Manager at Chedges@nas.edu.

If the funding request is approved, a report will be provided to the NCHRP Manager within 3 months of completion. The report should describe the activities that were carried out, an assessment of how they facilitated implementation, and how the impacts will continue to be monitored over time.