WBPP: ITD Innovative Technology Demonstrations

- May 14, 2019
- Presented by Brian Mintz, GM Phoscrete Concretes
- Working Group Members:
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Work Scope

- **ITD: Innovative Technology Demonstrations**
- ITD is a AASHTO/TSP2 National Working Group formed to introduce and demonstrate new and innovative technologies, products, and services to the DOT and other Owners.

Problem Statement

- Incomplete Documentation
- Bias of Case Studies and References
- One Strike and You're Out
- Lack of Inter-Agency Communications

A Faster Path to the Best Solutions

- Because of all the complexities and risks involved in bringing new products and services into acceptance and use by the states, ITD offers a faster path to demonstrate, observe, document, and share both successes and failures of innovative technologies.
- ITD helps industry speed the best solutions to market, and saves the agencies the cost of wasted time and resources on unsuccessful technologies.

Key Points

- Joint Effort - Owner (DOT) & Product Supplier
- Field Demonstrations
- Rigorous Independent Oversight for up to 60 months
- Results vetted thru TSP2 ITD Working Group

ITD Partners

Manufacturer

Consultant

Owner/DOT

TSP2 Bridge

Manufacturer

- On-Site Installation Support
- Compensates Consultant
- Responsible for Follow Up

Independent Consultant

- Key to the ITD program is engaging an independent consultant to document all installations, good, bad, and ugly.

Owner Commitment

- Identifies location
- Purchases product
- Provides traffic control, equipment, and labor
- Performs scheduled inspections

TSP2 Bridge

- Approves Participants
- Program Oversight
- Publishes Data
- Presentations

Demonstrations and Reporting

- Demonstrations can be product, process, service and/or equipment for bridge preservation.
- ITD Reports to be a resource for DOT's and other bridge preservation practitioners.
- Replaces inefficient, non-rigourous evaluation of pilot installation (deployment) of innovative products at every DOT.

Simple Two Page Application

INDUSTRY APPLICANT

Your Name:

Company Name:

Industry Company Contact Info:

TSP2 Industry Member? (Y/N) Working Title of Demonstration:

Is this a Product, Service, Process, or Equipment:

Brief Description of Demonstration: Detailed Description of Demonstration: Expected Results of

Demonstration: Primary Consultant/Contact Info: Primary Owner Sponsor/Contact Info:

Anticipated Number of Owners/Locations:

DEMONSTRATION PLAN
(in collaboration w/ Consultant & Owner)

Applicant's Involvement:

Consultant's Involvement:

Owner's Involvement:

Expected Duration of Demonstration:

Number of Demonstrations:

Data to be collected:

Metrics for Success:

Expected content of Interim Reports:

Expected content of Final Report:

Expected Presentation Format:

ITD Program Underway
MALP “Done in One”

Bridge Expansion Joint Header and Seal Done in One Lane Closure

Phoscrete Corporation: Brian Mintz brian@phoscrete.com

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30 Day Inspection

August 15, 2018

Planned ITD Program

Culvert Maintainable Drain

Drainage & Soil Filtration to extend the life of Retaining Walls, Seawalls,& Bridge Infrastructure

JET Filter Systems: Greg Heilman
gpheilman@jetfiltersystem.com

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JET Filter Bridge Abutment Repair

Planned ITD Program

Silane+Epoxy Deck Sealer

Deck-SIL® Unique Dual System Heals and Waterproofs Bridge Decks

Advanced Chemical Technologies: Tim Woolery
Tim@advchemtech.com

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ACT Silane+Epoxy Deck Seal

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ITD:
Innovative Technology Demonstrations

- Participate in one of our existing programs
  - *MALP Concrete Repair*
  - *Culvert Maintainable Drain*
  - *Silane+Epoxy Deck Seal*
- Propose a new ITD Program
- Join our TSP2 Working Group!

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