

IMPLEMENTATION PLAN

U.S. Domestic Scan Project 07-05

Implementation Plan – Partners



- ❑ AASHTO Bridge Task Force in the Subcommittee on Maintenance
- ❑ AASHTO T-18, Technical Committee for Inspection, Load Rating and Bridge Management in the Subcommittee on Bridges and Structures
- ❑ AASHTO T-9, Technical Committee on Bridge Preservation in the Subcommittee on Bridges and Structures
- ❑ FHWA Office of Asset Management and Office of Bridge Technology
- ❑ TSP2, Transportation Systems Preservation Technical Service Program

NCHRP

Synthesis Study Recommendations

- Best Practices of Bridge Management techniques, decision making, and actions
 - ▣ Identification, Prioritization, Monitoring
- Optimal Performance Measures for Bridge Preventive Maintenance
 - ▣ Red-Yellow-Green indicators
- Methods of cost-effective maintenance contracting - *Types: Site contracts, open-ended, and asset management contracts.*

FHWA

Preventive Maintenance Recommendations

- ❑ To increase emphasis and requirements for maintenance of Federal-aid projects, including preventive maintenance to achieve planned service life.
- ❑ To issue national approval guidelines for acceptable systematic BMS to allow Federal aid for preventive maintenance
- ❑ To prepare and present demonstration project of Best Practices in Bridge Management Technologies and Computer Applications *Special Demonstration Project SP-xxx*

NHI Courses

- Write proposal for submittal to course technical coordinator
- Encourage cross training of maintenance and inspection technicians
- Recommend changes to the NHI Course
 - ▣ Bridge Maintenance and Bridge Rehabilitation
 - *FHWA-NHI-134029, Bridge Maintenance Training*
 - Include findings from the scan
 - ▣ 2-week Bridge Inspection Course
 - *FHWA-NHI-130055, Safety Inspection of In-Service Bridges*
 - repair recommendations

Publish

Recommendations to Improve Maintenance Decision Making

□ Identification, prioritization, monitoring and skill training

- Applications

- Spreadsheets

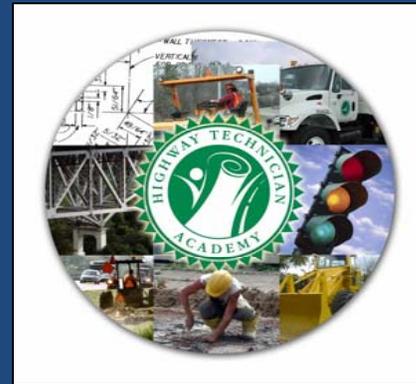
- Programs

- Articles – Public Roads, NY DOT Maintenance News, Roads and Bridges

- Repository – TSP2.org website

- Links to state DOT web pages to highlight best practices

□ Encourage States to send in examples



Presentations

- Present updates, a summary and findings during:
 - Conferences: IBC, NBC, NWBMC, IABSE and TRB
 - Webinars – November 19 & December 17, 2009
 - Highlight State Programs

Pontis Changes



Pontis.Ink

- Prepare and Present recommendations to the Pontis Task Force for changes to the software:
 - Option to include all needs in any project identified for a specific bridge
 - Link recommended actions to corresponding core elements when applicable
 - Include inspector recommended actions in prioritized needs

Implementation -Timeline

- October 2009 – ongoing
- Research proposals – 2010 – 2012
- Applications – January through June 2010
- Demo – 2011 – 2012
- Presentations, articles 2010
- NHI course changes - 2011