

Maintenance Committee

Bridge Working Group



Chair - Jeff Milton, Vice-chairs: Steve Cook &, David Miller



2020-2021 Work Plan Accomplishments

Safety

- Promoted safety and reliability of bridge preservation practices and support other TWGs, i.e.; CTSO Cooperative Automated Transportation coalition (CAT)/CAV initiatives

2020-2021 Work Plan Accomplishments

Asset Management

- Supported member agencies in the implementation of the FHWA Rules for bridge and pavement condition and for asset management systems
- Participated in the TSP2 National Bridge Management System working group

2020-2021 Work Plan Accomplishments

Environmental

- Promoted sustainability while performing bridge maintenance and preservation activities

2020-2021 Work Plan Accomplishments

Workforce Development

- **Promoted Bridge Maintenance participation and training for local agencies (National Working Group)**
- **Supported the AASHTO TC3 program**
- **Provided leadership to the TSP2 regional bridge preservation partnerships**
- **Supported FHWA Bridge Preservation Expert Task Group efforts**

2020-2021 Work Plan Accomplishments

Communication

- Promoted communications concerning bridge maintenance and preservation with local agencies
- Participated in the national working group for Outreach and Communication
- Working to developed a strategy to better communicate bridge condition information to the media (ENR, Roads and Bridges, ARTBA, etc.)

2020-2021 Work Plan Accomplishments

Research

Supported the AASHTO publishing of completed research project(s):

➤ **Small Movement Expansion Joints - NCHRP Project 12-100 – published**

- ✓ AASHTO publication: *“Guidelines for Maintaining Small Movement Bridge Expansion Joints, 1st Edition”* (NCHRP Project 12-100) – Released May 19, 2021, Link to Publication (Item Code – MSMB-1-UL): <https://store.transportation.org/Item/PublicationDetail?ID=4564>

2020-2021 Work Plan Accomplishments

Research

- **MaC endorsed, COBS lead - Evaluating and Implementing Unmanned Aerial Systems (UAS) into Bridge Management Methods Through Element-Level Data Collection – NCHRP Project 12-122 (vendor has been selected – Work Plan in progress)**
- **MaC endorsed, COBS lead - Load Rating Examples and Changes to the AASHTO Manual for Bridge Evaluation for Concrete Segmental Post-Tensioned Box Girder Bridges – NCHRP Project 12-123 (vendor has been selected – Work Plan in progress)**

2021-2022 Work Plan

Safety

- **Promote safety and reliability of bridge preservation practices and support other TWGs, i.e.; CTSO Cooperative Automated Transportation coalition (CAT)/CAV initiatives**

2021-2022 Work Plan

Asset Management

- Support member agencies in the implementation of the FHWA Rules for bridge and pavement condition and for asset management systems
- Participate in the TSP2 National Bridge Management System working group

2021-2022 Work Plan

Environmental

- **Promote sustainability while performing bridge maintenance and preservation activities**

2021-2022 Work Plan

Workforce Development

- Promote Bridge Maintenance participation and training for local agencies
- Support the AASHTO TC3 program
- Provide leadership to the TSP2 regional bridge preservation partnerships
- Support FHWA Bridge Preservation Expert Task Group efforts

2021-2022 Work Plan

Communication

- **Promote communications concerning bridge maintenance and preservation with local agencies**
- **Participated in the national working group for Outreach and Communication**
- **Continue to work to develop a strategy to better communicate bridge condition information to the media (ENR, Roads and Bridges, ARTBA, etc.)**

2021-2022 Work Plan

Research

- **Protecting Bridge Approaches During Flooding Events**
 - Proposed lead by COBS T15 to accomplish work but not ranked high on priorities. Propose MaC Bridge TWG lead as a RNS in 2021/2022
 - This will be a ballot item
- **Thermography Verification**
 - Proposed research by Wisconsin DOT
 - Possible NCHRP or FHWA funding/RFP research if approved by the Bridge TWG
 - Draft RNS proposed in next few weeks