

BRIDGE CONSTRUCTION PRACTICES SURVEY

We'd like to know more about your experiences with inspection and management of bridge construction. Your participation in this user satisfaction survey is completely voluntary and is expected to take less than 30 minutes for most participants.

1. Is the agency satisfied with their construction inspection training program and procedures (Yes/No/Unsure)?
 - a. What would you change or improve about the agency's bridge construction inspection training program and procedures?
 - b. What has the agency found to be the most effective training resources for construction inspection training?
 - c. What has the agency found to be the most challenging for administering construction inspection training?
 - d. In your experience, what gaps exist in the current construction inspection training program and procedures?
2. Is the agency satisfied with their construction inspection certification program and procedures (Yes/No/Unsure)?
 - a. What would you change or improve about the agency's bridge construction inspection certification program and procedures?
 - b. What would you change or improve about the agency's bridge construction inspection certification requirements for construction inspection?
 - c. Has the agency found it effective to offer specific training lessons for different experience levels (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
 - d. In your experience, what gaps exist in the current construction inspection certification program and procedures?
 - e. Has the agency found it effective to offer specific trainings or lessons for measurements and surveys, inspector tools and equipment, personal safety, traffic control, site layout, reporting and compliance, and operations (e.g., work zone traffic control, erosion and sediment controls, types of utility markings) (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
 - f. Has the agency found it effective to offer specific trainings or lessons for roadway construction (e.g., asphalt pavement, concrete pavement, utilities, traffic signals, lighting, or ITS) (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
 - g. Has the agency found it effective to offer specific trainings or lessons for earthwork and geotechnical construction (e.g., earthwork, soil and slope stabilization, or foundation construction) (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
 - h. Has the agency found it effective to offer specific trainings or lessons for structure construction (e.g., concrete structures, steel structures, deck, substructure, or walls) (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
 - i. Has the agency found it effective to offer specific trainings or lessons for complex or critical construction items, project schedule, budgets, or project administration (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.

3. Is the agency satisfied with the number of construction inspectors on staff or is there a shortage of inspectors (Yes/No/Unsure)?
 - a. If there is a shortage, what has the agency found to be most effective in staffing construction inspector program needs (e.g., utilize consultant inspectors or cross-train maintenance staff)?
 - b. If there is no shortage of inspectors, what does the agency feel contributes to this success?
4. Is the agency satisfied with their incorporation of unique and innovative materials (e.g., non-proprietary UHPC) into bridge construction and rehabilitation projects?
 - a. What unique and innovative materials has the agency found to be effective in meeting the intended purpose?
 - b. What has the agency found to be the most challenging for incorporating unique and innovative materials?
 - c. In your experience, what gaps exist in incorporating unique and innovative materials into bridge construction and rehabilitation projects?
5. Is the agency satisfied with their efforts to operate within the parameters based on the statutory changes to the Buy America program (Yes/No/Unsure)? What measures has the agency found effective for operating within the parameters of the Buy America program?
6. Is the agency satisfied with their decision-making process for demolition of bridge structures (Yes/No/Unsure)?
 - a. What would you change or improve about the agency's bridge demolition process and procedures?
 - b. What has the agency found to be the most effective bridge demolition process and procedures?
 - c. What has the agency found to be the most challenging bridge demolition process and procedures?
 - d. What has the agency found to be the most effective bridge demolition process or procedure to demolish bridges more safely, economically, and/or with reduced impacts?
 - e. In your experience, what gaps exist in the current bridge demolition process and procedures?
7. Is the agency satisfied with their decision-making process for repair and rehabilitation of existing bridge structures (Yes/No/Unsure)?
 - a. What would you change or improve about the agency's bridge repair and rehabilitation process and procedures?
 - b. What has the agency found to be the most effective bridge repair and rehabilitation process and procedures?
 - c. What has the agency found to be the most challenging bridge repair and rehabilitation process and procedures?
 - d. In your experience, what gaps exist in the current bridge repair and rehabilitation process and procedures?
 - e. What has the agency found to be the most effective bridge repair and rehabilitation process or procedure to refurbish bridges more safely, economically, and/or with reduced impacts?
8. Is the agency satisfied with their approach to mitigating issues regarding rising construction costs, supply chain issues, inflation, and schedule delays (Yes/No/Unsure)?
 - a. What has the agency found to be the most effective techniques for mitigating these issues?

- b. What would you change or improve about the agency's processes and procedures to mitigating these issues?
- 9. Has the agency experienced any major or prevalent construction issues or incidents (Yes/No/Unsure)?
 - a. Please describe and provide any useful information that could be of benefit to other agencies including results root cause investigations, lessons learned, measures taken to prevent future issues or incidents?
- 10. Has the agency experienced any other significant or reoccurring construction issues not covered in the previous question (Yes/No/Unsure)?
 - a. Please describe and discuss what the agency has done to alleviate the potential for future issues arising from the same source?
- 11. Is the agency satisfied with their incorporation or use of any Accelerated Bridge Construction (ABC) methods (e.g., SPMTs, sliding, launching, precast components, innovative contracting methods, construction incentives, or innovative techniques) into bridge construction, rehabilitation, repair, or preservation projects (Yes/No/Unsure)?
 - a. What ABC methods has the agency found to be effective in meeting the intended purpose?
 - b. What has the agency found to be the most challenging for incorporating ABC methods?
 - c. In your experience, what gaps exist in incorporating ABC methods into bridge construction and rehabilitation projects?
 - d. Is the agency satisfied with their decision-making process for employing ABC methods (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
 - e. In your experience, were these projects considered successful (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
 - f. In your experience, are ABC methods being considered on a wider basis throughout your program or do they remain a more experimental/research application (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
- 12. Is the agency satisfied with their constructability review procedures on new construction, replacement, widening, rehabilitation, repair and retrofit projects (Yes/No/Unsure)?
 - a. What constructability review process has the agency found to be effective?
 - b. What has the agency found to be the most challenging for performing constructability reviews?
 - c. In your experience, what gaps exist in the constructability review process?
 - d. Is the agency satisfied with their decision-making process for performing a constructability review (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
- 13. Does the agency have any other construction issues to share that could be of benefit to other agencies (e.g., regional approved product list) (Yes/No/Unsure)? Please describe and provide any useful information that could be of benefit to other agencies.
- 14. Would you or another representative from the agency be available to present on a topic, if requested by the FHWA or Technical Committee (Yes/No/Unsure)? The peer exchange meeting will be structured to allow virtual presentations by offsite personnel, if required.
- 15. Would you or another representative from the agency like to be considered as a presenter on a topic at the peer exchange (Yes/No/Unsure)? If yes, please provide topic and information. The

peer exchange meeting will be structured to allow virtual presentations by offsite personnel, if required.