



# Memorandum

Subject: **ACTION:** Missouri Programmatic Work Plan  
for Utilizing Alternative Technical Concepts for  
Design-Bid-Build Construction Projects under  
Special Experimental Project No. 14 (SEP-14)

Date: June 6, 2024

From: Moises Marrero  
Acting Director, Office of Preconstruction,  
Construction, and Pavements

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In Reply Refer To:  
HICP-20

To: Kevin W. Ward  
Division Administrator  
Jefferson City, Missouri

This memorandum is in response to a May 17 email from Ms. Aryn Thompkins of your office which transmitted and endorsed the following:

1. a Missouri Department of Transportation (MoDOT) programmatic workplan agreement with FHWA to approve the use of Alternative Technical Concepts (ATCs) for Design-Bid-Build (DBB) Construction Projects under Special Experimental Project No. 14 (SEP-14); and
2. A May 17 cover letter from the FHWA Missouri Division Office to FHWA Construction Team Lead Brian Hogge, transmitting and requesting approval of the SEP-14 workplan.

MoDOT proposes the programmatic use of ATCs for on any federally-eligible DBB Construction Projects when deemed appropriate and beneficial. FHWA's previous programmatic approval for this technique commenced in 2019 and concludes in 2024. MoDOT has requested that FHWA approve this programmatic request for State Fiscal Years 2025 – 2027 – a period of 3 years.

MoDOT will select projects with work that is repetitive in multiple locations. This project delivery method will be used when project budget is a priority on preventive maintenance and traffic control installation types of work. MoDOT intends to use this contracting method on 10 to 20 projects a year on NHS routes.

The outline below follows the basic steps of the ATCs in the DBB process.

- a) MoDOT and/or a consultant develop a base design of all proposed work.
- b) Contractors may, at their discretion, propose an ATC to complete the proposed work. Contractors choosing not to participate in the ATC process must bid the base set of plans furnished by MoDOT. MoDOT reviews the proposed ATC for acceptance.
- c) MoDOT informs contractors (confidentially) if their concept(s) are approved (or not approved) to be used when bidding on the project.
- d) Contractors submit bids based (in part) on their approved concept(s).

- e) Project is awarded to low bidder.
- f) MoDOT and/or a consultant complete the final design and quantities for the awarded bidder.

Additional details may be found in the SEP-14 workplan.

MoDOT has committed to an evaluation of the effectiveness of ATC DBB projects by using various performance measures and providing the FHWA MO Division office with initial, interim, and annual reports. The FHWA MO Division will be involved with the ATC DBB projects through project specific reviews, approvals, meeting attendance and coordination.

MoDOT's SEP-14 workplan for the programmatic use of ATCs on DBB Projects is approved from July 1, 2024 to June 20, 2027.

Thank you for the opportunity to review and comment on this SEP-14 request. Should you have any questions, please contact Brian Hogge at (202) 366-1562 or John Huyer at (720) 437-0515.