

April 24th 2024 Meeting Minutes

Meeting Location: Virtual

Welcome and Opening Comments

Joni & Souzan: Thank you for attending and thank you to the champions for all your continued efforts and work on these initiatives.

Standing Committee on Pre-Construction

Develop Strategic Plan & Roadmap for Digital Delivery

(ODOT Champion: Katie Brown & FHWA Champion: James Bui)

Katie: The draft plan and road map are due at the end of January and final documents are expected by April. ODOT received the ACDMS grant which will help with the implementation of the strategic plan over the next 4 years. Documents completed and presented to senior staff in March and finalized will be finalized this month. The final strategic plan, roadmap and executive summary are posted on ODOTDigitalDelivery.odot.ok.gov website as of this month.

Standing Committee on Construction, Materials, and Maintenance

EDC-7 & STIC Innovation Combined Efforts:

Enhancing Performance with Internally Cured Concrete & Pilot Internal Curing for Bridge Decks

(ODOT Champion: Matt Romero/Walt Peters/ Nairi Matevosyan-FHWA Champion: Ralph Nguyen & Waseem Fazal)

Walt: Letting project was completed in March. Strategizing with FHWA to develop plan. STP-270C(049)PM awarded by Commission to OBC at a cost of 7,911,865.11. OCB bids came in higher than the engineers estimated. Matt presented to DE's explaining the benefits of internal curing and colloidal nano silica product. Currently developing a provisional specification for internally cured concrete. We identified D6 for potential pilot opportunity to use aggregates for internal curing, currently being worked on. Obtaining additional funds for the CNS product. OCB plans to start in July. Three-span bridge, two types of curing, and one control. Using porous aggregate for water retention is needed. Excited about additional learning opportunities at the Albany Peer Exchange on 05/29-30/2024.

Standing Committee on Safety, Mobility, and Technology

EDC-7 Innovation:

Next-Generation Traffic Incident Management: Integrating Technology, Data, and Training

(ODOT Champion: Caitlyn Carolus & FHWA Champion: Raghu Kowshik)

Caitlyn: As of 04/16, sets of lights have been distributed to each district for testing and deployment in their area. Continued monitoring and testing of connectivity and data received from PI-Lits. Currently working with Rekor to see if their system integrates with DPS computer aided dispatch. By the end of May data will determine how to proceed. DPS & ODOT are excited and encouraged to complete data exchange. DPS is on board for CAD integration. TSMO training is coming up, FHWA to provide additional information on webinars and peer exchanges.

Nighttime Visibility for Safety

(ODOT Champion: Marty Farris & FHWA Champion: Huy Nguyen)

Marty: FHWA Lighting Training and technical training workshop for all designers from ODOT to consult on training completed on 03/04-07/24. FHWA & ODOT completed sign inspection for nighttime retro-reflectivity on all major interstates from Kansas to Texas (I-35) and from Arkansas to Texas within OKC Metro (I-40).

STIC Incentive Projects:

Expand Utility Surveying Capabilities

(ODOT Champions: Siv Sundaram & FHWA Champion: Scott Armstrong)

Siv: Utilities is currently providing proposed utility relocation files to Office Engineer to share with contractors. ODOT selected a consultant for updating the outdated Construction Survey Manual from 1989 and capturing the collection of as-built utility data, The first Task Order to capture current practices and look at other states for best practices issued in February 2024. Second panel meeting scheduled for 04/30/24, capturing what states have done to remove barriers, sharing information and providing recommendations. Kickoff meeting to capture current practices being negotiated for May 2024. The Survey Division is having a SUE summit 04/30/24. Identifying exact location of utilities early in a project development to avoid utility conflicts and relocation. Target date for baseline meeting is in May. Using field construction survey crews to capture relocated utilities accurately with coordinates into open roads to include in construction plans or 3D models. All funds have been expended.

Standing Committee on Special Initiatives

EDC-7 & STIC Innovation Combined Efforts:

Strategic Workforce Development & Pre-Apprenticeship Stakeholder-Focused Training Program

(ODOT Champion: Jennifer Hankins & FHWA Champion: Souzan Bahavar)

Jennifer: One heavy highway course conducted at Eastern OK Tech Center. ODOT partnered with Central OK Homebuilders Association to provide transportation career day to high school seniors for the next 4yrs. FHWA applied for grant, each proposal could receive up to 300k. May 2nd is the webinar.

Completed STIC Initiatives:

- Development of standard drawings for low-cost bridge options for use by Local Public Agencies (LPAs) on low-volume locally owned roads.
- Demonstrate Deck Seal System
- Bridge Deck Cure and Seal for Slip-Formed Parapet Walls and Sidewalks
- The Phoenix method
- Using Aramid Fibers

Joni & Souzan: In our next meeting, we'll have our champions give us a brief synopsis of lessons learned and any takeaway experiences. Thank you all for your dedication and all your hard work in getting us these updates.

Other Business:

Submit FY25 STIC-funded proposals – Due by 06/03

Next Meetings/Events:

July 29th 2024, STIC Quarterly Meeting In-Person