

ADCMS Grant Progress Report

Date: January 31, 2025

To: U.S. Department of Transportation Federal Highway Administration

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From: Katie Brown, PE – ODOT Digital Delivery Engineering

CC: Viplav Reddy

Oklahoma Department of Transportation (ODOT) is submitting their semi-annual progress report for the Advanced Digital Construction Management Systems (ADCMS) Grant (FY 2022 & 2024) along with Form 425. The progress report will be organized into the eight (8) program components outlined in the grant application and shown below in Figure 1.

Figure 1: Program Components



A. Reporting Period: July 1, 2024 to December 31, 2024



1. Program Management

- a. **2025 Task Order Completion for Consultants**
- b. **Smart Sheet Schedule and Budget Updates**
- c. **Check In Meetings – held most Fridays at 8:30 AM**
 - Coordination & Scheduling
 - Summary
 - Action Items list to team
- d. **Technical Committee Meetings with Consultants, Contractors & ODOT**
 - TC Meeting No. 7 – held 11/06/2024



2. Strategic Plan & Implementation Plan Development

- a. **Implementation Plan**
 - Final Draft Complete 06/14/2024
 - Executive Summary completed 08/09/2024.
- b. **Change Management Plan –**
 - Phase 1 Complete
 - Phase 2 Underway
- c. **Communication Plan**
 - Phase 1 Complete
 - Phase 2 Underway



3. Implementation – Design

- a. **Early Adopter’s Meetings (Internal ODOT Staff)**
 - 07/25/2024 – Software testing (BoreDM for digital geotech information , Pencil 9 to manage CAD standards and allows for Autodesk as an option), Bentley Infrastructure Cloud use for project reviews
 - 12/11/2024 – How to use ORD for certain situations (scab-on widenings, phased modeling, etc.) and Pointman System preview
- b. **ORD Workspace Development**
 - Final Updates to ORD 10.12 Workspace
- c. **Digital Delivery Guidelines**
 - Kick off meeting held 12/20/2024



4. Implementation – Design & Construction

- a. **Pilot Projects for Discovery**
 - JP 35427(04) – SH-152 over Washita River & Overflow in Washita Co.: 30% milestone review in June 2024. This included 2D plans and 3D model using Bentley Infrastructure Cloud (BIC) and QC/QA Review using BB for 2D and BIC for 3D.
 - JP 35578(04) – SH-152 over Deep Creek in Beckham Co.: 30% milestone review in April 2024. This included 2D plans and 3D model using Bentley Infrastructure Cloud (BIC) and QC/QA Review using BB for 2D and BIC for 3D.

- JP 38257-04 - US-56 Cimarron Co: 7.99 mi widen and resurface: Selected for in house Digital Delivery Team Pilot.



5. Implementation – Construction

- a. Engaged Construction Contractors in ProjectWise and Risk Registry workshops



6. Implementation – Asset Management

- a. AEGIST Integration
 - Internal assessment in progress



7. Foundational Program Support

- a. ProjectWise Implementation Plan & Platform Integration
 - Workshops held Oct 14-15, 2024
 - Participants
 - ODOT Staff
 - AOGC Members
 - ACEC Members
 - Draft Business Requirement Documents 12/20/2024
 - Review in progress
- b. ISO 19650 Training & Certification
 - Seven ODOT employees have completed
 - Three additional ODOT employees have begun training
- c. Risk Management
 - Workshops held on 08/07/2024
 - Draft Summary and Excel file 09/30/2024
 - Review comments during check-in meeting on 10/11/2024
 - Living document/excel file
- d. Peer Exchange – none in the last 6 months



8. Industry Outreach & Workforce Development

- a. Website Updates - <https://odotdigitaldelivery.com/>
 - Postings/Announcements & Report Uploads – 6 during reporting period
 - Monthly Analytics – 6 month summary below, see **Attachment B**
 - 1,304 Unique Visitors
 - 4,218 Views
- b. STEM Outreach
 - Held meetings
 - Tulsa Regional Stem Alliance – 10/23/2024
 - OSU Stem Camps – 11/14/2024
 - Completed AASHTO Stem Outreach pilot class with District 1 teachers – Nov. 14-15, 2024

c. Local Agency Support & Outreach

- Expanded Technical Committee to include county participation – added a new county participant

d. Industry Stakeholder Collaboration

- ACEC 3D Working Group – Workspace and software review and discussions
 - July 16, 2024
 - November 18, 2024
- AASHTO Committee on Design – Aug. 20-23, 2024
- BIM Week – ODOT participated in BIM for Infrastructure and BIM for Bridges transportation pooled funds.
- FHWA Innovation in Project Delivery Forum about ODOT Planning for Digital Delivery – September 30, 2024
- Participation on NCHRP Project: 20-05/Topic 56-06 Practices for Transitioning to Digital Delivery Systems and Workflows