

Design Bureau Update

2024 ACEC\Iowa DOT\FHWA
Iowa Transportation Conference
September 24, 2024

Automation Update

- We rolled out ORD 2023 on September 5, 2024
- There will be an update on Drainage and Utilities in November or December 2024.
- Migrating to Bentley OpenGround in FY 25

DESIGN

DESIGN HOME
DESIGN MANUAL
ROAD DESIGN DETAILS
STANDARD ROAD PLANS
DESIGN TABULATIONS
AUTOMATION TOOLS
SHELL LETTERS

DESIGN MANUAL

WHAT CAN WE HELP YOU FIND?

- + Chapter 1 — General Information
- Chapter 2 — Alignments

2A HORIZONTAL ALIGNMENT

Year of the Design Manual

- Thorough Review and Update of the Design manual is underway.
- Revised Chapter 2 Horizontal Alignments nearly complete and beginning work on Chapter 5 Earthwork
- Updates to DM Sections 10-4 (Pavement Determination Process) and 3c7 (Shoulder Design for New and Existing Bridge Staging) should be published soon.

Design Manual

Designing Transportation Infrastructure for Electric Vehicles

Committed States

- Iowa
- Texas
- Washington



Pooled Fund Sponsored by Texas Transportation Institute

Proposed Changes to Consultant Contracts

- We hope to begin including more robust development schedules in our contracts with both Start date and Completion dates for events.
- We will start managing from the Start date as opposed to the Completion Date.
- We plan to start including interim milestones in our contracts. An example would be a date for when a geotechnical consultant would submit a S3 Report for review.





Design MALD Pilot Projects

- US 30 Benton County
- Proposed Pottawattamie 59 pilot with BSB.

Workload Outlook



- Survey
- Geotechnical
- Highway Design


