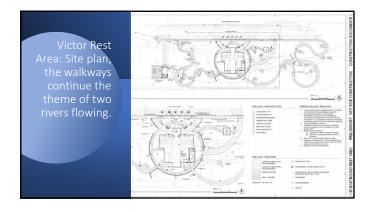


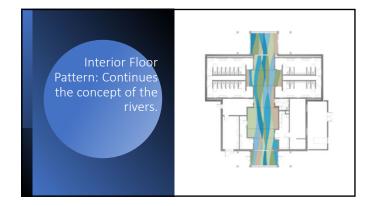
Victor Rest Area I-80 Eastbound Iowa County Built 1967 Current truck parking: 22 Expanded truck parking: +13 Theme: Iowa, land between two rivers



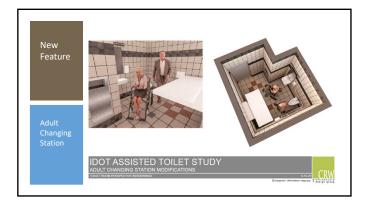
Exterior Rendering of completed Rest Area











New Feature: Adult Changing Station: We converted the

Station:
We converted the
Family Rest Room to
accommodate and
Adult Changing
Station. The table is
designed raise and
lower to help those
with limited mobility
care for their
personal needs when
traveling



Showing the Controls for the Table



Adult Changing Stations • First Installation: EB I-80 Rest Area near		
Victor in Iowa County		_
Opened: December 2021	Ů	
	IDOT ASSISTED TOILET STUD ADULT CHANGING STATION MODIFICATIONS TOLET ROOM PREPAYERS	OY CRW



Development of a Roadmap for Transition to a Digital Workflow

- OUR VISION: The Department's vision for digital delivery is to enhance our abilities to share information seamlessly across the enterprise, significantly improve asset management, and provide greater value to all users, including construction contractors and suppliers.
- contractors and suppliers.

 OUR MISSION: Is to enable streamlined data sharing and active collaboration between different Divisions, Bureaus, as well as the public and other external stakeholders.



What Is Digital Delivery:

DIGITAL DELIVERY is a modern process in which 3D models and other files are created and delivered to facilitate construction and incorporate digital information to support maintenance and operations activities and lifecycle asset management.



What is Digital Delivery:

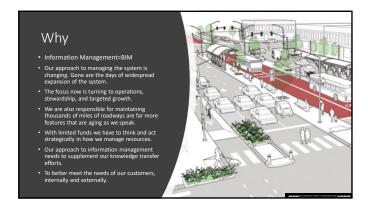
- assets across the enterprise.

 Although creating intelligent plans or building information models is the initial focus the ultimate goal is information management.

 Collaboration and information sharing seamlessly for better decision-making.

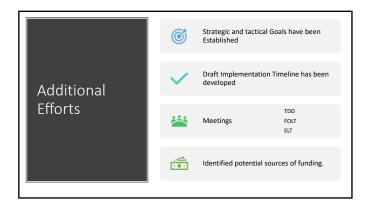
 It builds on our efforts in eConstruction, 3D Design, GIS, and Data Governance.





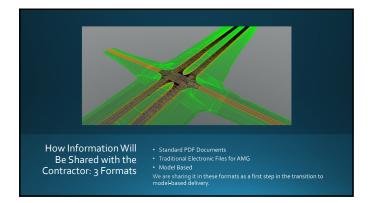












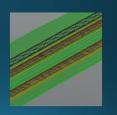
How Information Will Be Shared with the Contractor: PDF Documents

- A sheets (title sheet and map)
 B sheets (typicals)
 C sheets (quantities)
 C sheets (drainage tabs)
 C s sheets (drainage tabs)
 C s sheets (soils tabs)
 G sheets (survey benchmarks)
 J sheet (traffic control plan and staging notes)
 A sheets (wick drain info)
 C sheets (wick drain info)
 T sheets (earthwork quantities and tabs)
 J sheets (details)
 V sheets (pipe cross sections)
 Legend sheets (D, J, L, Q, RR, and T)



How Information Will Be Shared with the Contractor: iModels (what the models will replace):

- J sheets (staging layout and pavement markings)
- L sheets (jointing, geometrics and staking)
- RR sheets (erosion control layout and drainage basins)



How Information Will Be Shared with the Contractor: Standard e-Files We Provide Contractors

- 3D Breakline Files
- Alignment XML's
- Machine Control Surfaces in XML
- PDFs of soil boring logs Shelby tube data
 Structure settlement information
 Earthwork Calculations



Intended Recipients of the Data





Department Estimators\Bid Document Preparation Contract Administration Staff



Future (Digital As-Builts)

Maintenance\Operations
Asset Management Design Utilities Resource Agencies Other Stakeholders

Challenges



- Creating iModels
- Working with Bentley Synchro

Hardware

- Finding a Rugged tablet that can handle the files and does not have the typical glare issues
- Stakeholder
- Concerns over practicality of working with models in the field
- Providing Information to Sub Contractors Pre and Post Award
- Training and Retraining as new sub-contractors move in
- How plan changes, Addendums, etc. will be handled.



