

Transportation Delivers

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What is our opportunity?

Innovation is the spirit and culture of striving to be better tomorrow than we are today.





What is our opportunity?

Streamline the delivery of our transportation improvement program

- Not just engineering, but any piece of our process
- Opportunities for internal and external stakeholders
- Use innovation to:
 - Support strategic business direction e.g. Digital Delivery
 - Leverage information technology and data
 - Improve safety
 - Enhance communication and expand engagement
 - Change the way we hire and how we train our staff







What is our opportunity?

Steal where we can - Create where we must

Innovation concepts come from everywhere!

- National
 - FHWA, AASHTO, Transportation Research Board
 - Other state DOT's
- State
 - Public agencies and departments
 - Industry partners, private sector, academia,
 - The public
 - DTSD Innovation Program

















5 steps of innovation development







Incremental approach to digital state

	Paper	Paperless	Electronic	Digital
Information	Handwritten, Printed	Image	Data	Object
	Physical Cabinets	.pdf, .jpg	.pdf or .xls	3D Models or services
Workflow	Organic/Ad-Hoc	Implied	Explicit	Seamless
	Learned	Phone or scanner to network drive	Documented, semi-automated, Semi-measured	Automated, notifications, seamless
Integration	None	Shared	Interoperable	Integrated
	Printed & written-in forms, traditional mail	Shared file copies via email	.pdf emailed from consultant to DOT, checked, then emailed back again	Same data accessed, reviewed, consumed by all parties

















Legend

2024

2023

2024

2025

2026

2024

2025

2026

2027

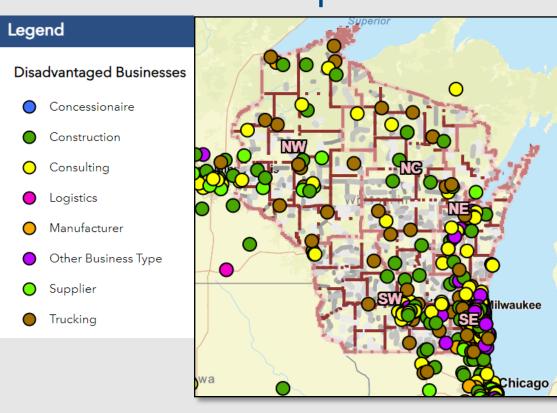
2028 - 2029

Projects LET 6 Year

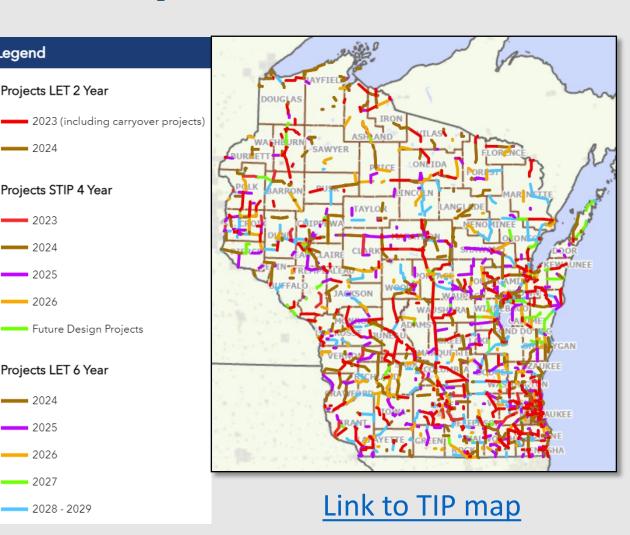
Projects LET 2 Year

Projects STIP 4 Year

Enhanced GIS Maps



Link to DBE map















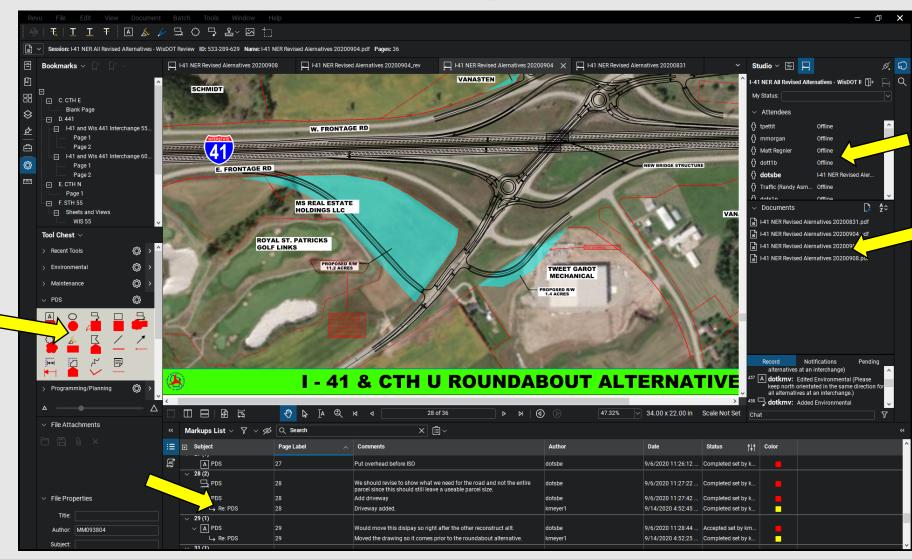






Collaborative Design Review



















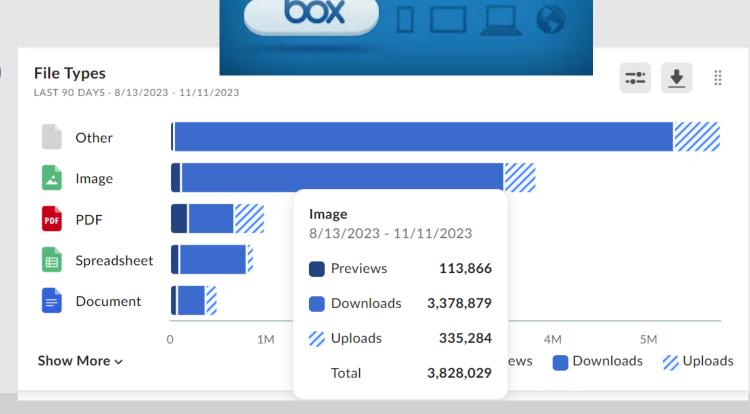




File Sharing & Collaboration

A major milestone for DTSD

- Statewide folder structures
- Improved collaboration
- e-Finals & record retention
- Seamless mobile access
- 85%+ user satisfaction



Simple, Secure Sharing

from Anywhere.

















UAS Structure Inspections

- Keeping employees safe
- Save time
- Less traffic disruption
- Access to hard-to-reach areas
- Video and picture records

















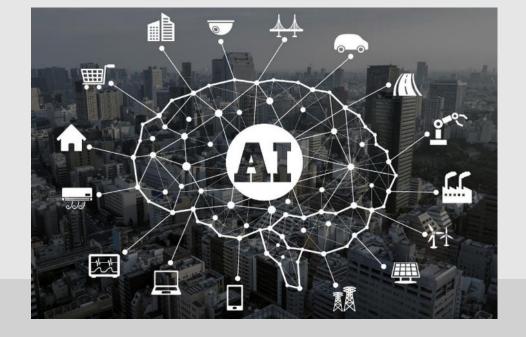






Where are we heading from here?

- Continue developing a culture of improvement and innovation
- Continue to use 5-step process to identify and implement innovations
 - Key in on process improvements <u>before</u> automation to make sure we are automating inefficient processes
- Move towards "Destination Digital"
 - e.g. Implement e-Ticketing
 - Data integrations
- Explore emerging technologies!

















Thank you for the opportunity to speak today!

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