

Division of Transportation System Development Update

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Contractor-Engineer Conference
Wisconsin Dells, WI

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WISCONSIN TRANSPORTATION
BUILDERS ASSOCIATION



Today's presentation

- Projects
- Bipartisan Infrastructure Law
- Utilities
- Technical committees
- Lettings/award times
- Program updates
- Process improvements
- Workforce development
- Work zone safety

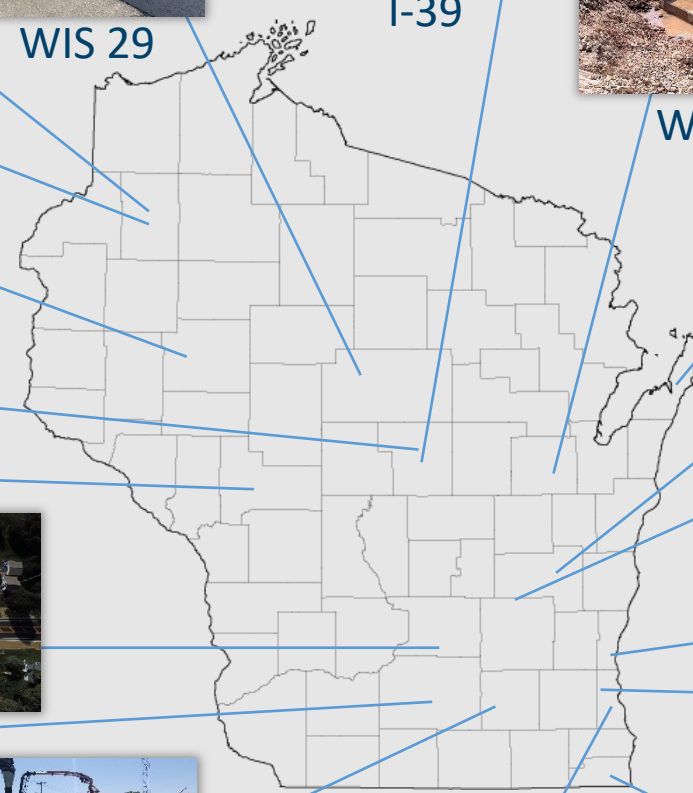


Photo: Merrimac Bridge, Sauk County



Delivering investments

wisdot.maps.arcgis.com



US 53/63
Interchange



US 63



WIS 29



I-39



WIS 47



WIS 42



WIS 23

I-39 and
US 10/WIS 66



WIS 40/64

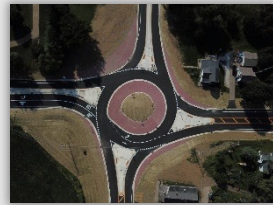


US 151/
WIS 49

I-94



US 51/
WIS 60/
WIS 22



I-43

I-41 Zoo Interchange



US 12/18 Flex Lane

US 12



I-43
URT



WIS 50



Delivering investments

- US 18/151 (Madison to Dodgeville)
- US 151 (Columbus to Waupun)
- Blatnik Bridge
- I-794 Lakefront Interchange
- US 51, Stoughton to McFarland
- I-94 East/West
- I-39/90/94
- Coulee Connections/La Crosse Corridor
- I-41 (Brown and Outagamie counties)
- Wisconsin River Bridges
- I-43 (Milwaukee and Ozaukee counties)
- WIS 15
- Zoo Interchange North Leg
- WIS 29/County VV Interchange
- WIS 23



Top: Zoo Interchange North Leg; Bottom: WIS 29/CTH VV



Bipartisan Infrastructure Law

Nov. 15, 2021
BIL is signed into law

Jan. 18, 2024
C-E Conference

FFY22

FFY23

FFY24

FFY25

FFY26

Delivering investments and looking ahead

- Teamwork (WisDOT, locals, counties, industry) makes a difference
- Adapting to change
- Leveraging innovation to help streamline the process
- Ongoing communication is vitally important – that includes listening
- Connecting people to good, actionable information is critical to success
- Balancing lettings for SFY25-26



Bipartisan Infrastructure Law

We are committed to working with industry and Wisconsin communities to maximize opportunities

- **FFY22 Bridge Investment Program** – City of Madison receiving \$15.1M for the John Nolen Drive bridges
- **FFY22 SMART Grant** – WisDOT received two federal grants to develop innovations to enhance work zone safety in Wisconsin (ATMA and WZDx)
- **FFY22 SS4A Grant** – More than \$6M going to 8 communities to improve road safety
- **FFY22 MPDG Grant** – Wisconsin River Bridges
- **FFY23 RAISE Grant** – I-41 (Burleigh St. to Silver Spring Dr. in Milwaukee)
- **FFY23 SS4A Grant** – 13 communities receiving more than \$12M for road safety

[Federal Discretionary Grant Awards Dashboard \(arcgis.com\)](https://arcgis.com)

wisconsin.gov/BIL



Program updates

Utilities

Utility Relocation Law

- WisDOT Standard Specifications (ss108.10.2 and ss108) were revised via an ASP-6, effective Jan. 2, 2024
- Allows for delays caused by non-completion of utility work, identified in the contract, to be a compensable delay.
- Contractors will be required to provide documentation of the impacts (i.e. contract time and/or compensation) they are seeking due to a utility delay

Utility Conference

- Attendees were receptive to changes to:
 - New Utility Worksheet
 - Utility Exhibits
 - Acquisition of Utility Property Interests Through the Real Estate Acquisition Process.
- Positive feedback related to:
 - Utility Project Monitoring
 - Utility Facility Plat Exhibits for Utility Coordination.
- A partnering meeting in the works (WisDOT, Contractors, Utilities)



Program updates

Utilities

Two demonstration projects

- WIS 50 reconstruct (SWR) includes 8 utilities
- US 12 reconstruct (SWR) includes 10 utilities

Utility Accommodation Policy

- HMM 09-15-45, section 7-7.3
- Committee formed in December; will meet Jan. 25

Revised Utility Worksheet (DT2236)

- Selected 6 pilot projects
- Project plan transmittals going out now
- Expect full implementation in late 2024

Diggers Hotline Advisory Board

- Created the Wisconsin Damage Prevention Council (WI-DPC)

STIC Grant/Utility Monitoring

- Six Local Program projects selected to follow short-term

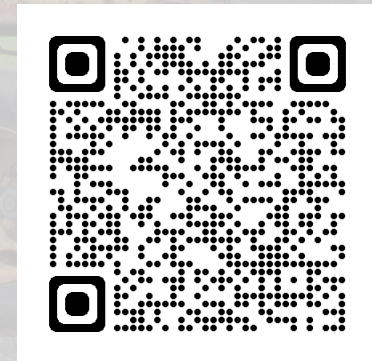


Program updates

Value of partnership

Technical Committees (with WisDOT's key points of contact)

- **Construction Contract Administration Workgroup** – Tyler Rongstad
- **Grading, Landscaping and Sewer (GLS)** – David Staab
- **Aggregate** – Tirupan Mandal
- **Concrete** – Tirupan Mandal
- **Hot Mix Asphalt (HMA)** – Ali Arabzadeh
- **Ride** – Erik Lyngdal
- **Bridge** – Laura Shadewald
- **Traffic Control** – Matt Rauch



[wisconsindot.gov/Pages/doing-bus/
contractors/tech-teams](https://wisconsindot.gov/Pages/doing-bus/contractors/tech-teams)

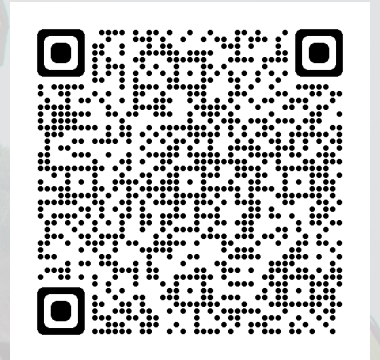


Program updates

Value of partnership

Technical Committees latest developments

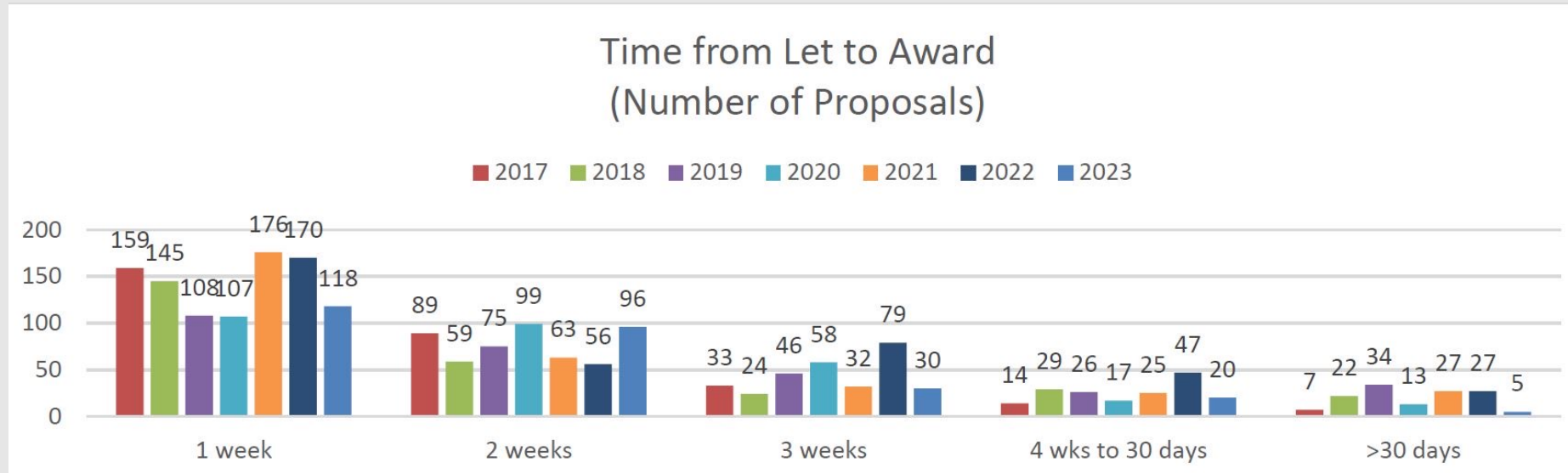
- Manual of Test Procedures is live
 - wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/qmp
- AASHTOWare Materials Software development and specification reorganization
 - Teams are working on combining all materials specifications into one chapter (Ch. 7).
- GLS team is updating the QMP Subgrade Special Provision
- Updated Standard Specifications 520, 521, 522, 524, 525 and 530; in the 2024 Standard Specifications.
- Traffic Control team working on spec language to improve marking performance



Program updates

Time to award

Overall proposals



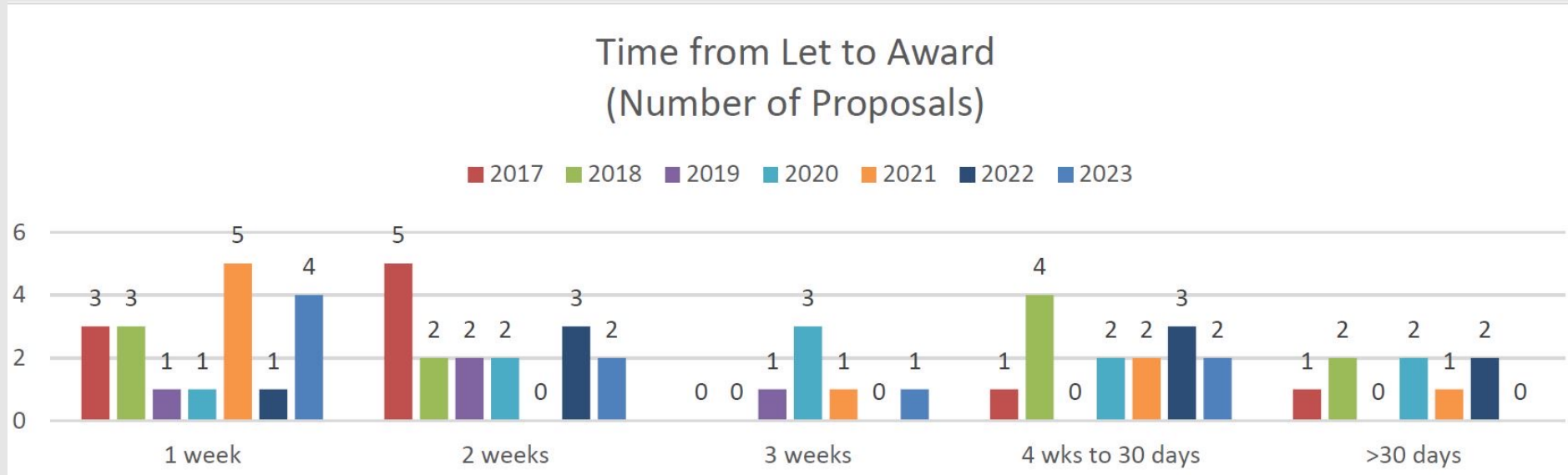
- (CY17-22) = 12.1 days
- (CY21) = 13.3 days

- (CY22) = 13.5 days
- (CY23) = 10.4 days

Program updates

Time to award

Proposals over \$20M



- (CY17-22) = 20.5 days
- (CY21) = 32.6 days

- (CY22) = 19.7 days
- (CY23) = 12.0 days

Program updates

SFY24 Shelf projects



83 projects
\$535 million
as of July 1, 2023



Program updates

Design-Build



WIS 125

Appleton, Outagamie County (NER)

WIS 130

Lone Rock, Richland County (SWR)



Program updates

Design-Build

- **US 51/WIS 29 Preservation Project, Marathon County**
 - Project includes pavement joint repair and bridge deck polymer overlays
- **I-94, Crawfish and Rock River Bridge Replacements, Jefferson County**
- **I90-94 Interchange, Monroe County**
 - Project includes two structures in the Cranberry Interchange
- **Next steps**
 - Proposals received – fall 2024
 - Construction start – spring 2025



Program updates

Disadvantaged Business Enterprise

FFY	Assigned DBE Goal	Achieved DBE Goal	GFE Approved
2014	12.51%	12.81%	68
2015	14.13%	14.76%	86
2016	14.13%	12.91%	145
2017	14.13%	9.61%	141
2018	12.38%	13.10%	140
2019	12.38%	10.57%	126
2020	12.38%	12.01%	93
2021	12.41%	14.57%	50
2022	12.41%	13.75%	46
2023	12.41%	14.42%	8!!!

Proposed assigned goal for FFY24-26 triennium – 12.42%



Process improvements

Partnerships

e-Finals

- Construction project files are stored electronically in the cloud
- Records will follow a statewide form/checklist for consistency

e-Bonding

- Updating our DT2046 form
- Exploring electronic signature options
- Anticipate limited number of pilot projects in late spring/early summer '24

e-Ticketing

- 2023 – Usage encouraged
- 2024 – Standard Specifications updated
 - Effective with November 2023 letting
- 2024 – Pilot projects w/e-ticketing
- 2025 – Propose mandatory on select projects

Fuel cost adjustment

- ASP-5 effective in November 2022 letting
- Working with UW's CMSC on provision



Process improvements

Environmental

Major policy changes

- Transportation construction general permit (TCGP)
- Transportation separate storm sewer system (TS4)
- Additions to federal Endangered Species Act (mussels, bats)
- Emerging contaminants (PFAS)
- Water resource protections

DNR-DOT Cooperative Agreement

- “DOT shall monitor the activities of the contractor to ensure that the environmental commitments and regulatory requirements for the project are being met.”
- “DNR shall consider actions taken by the contractor as action taken by the DOT.”
- It is critical that we follow the environmental provisions defined in the contract



Investing in Wisconsin

HCST

The goal is to create a good pipeline of skilled workers for our contractors

- Hands-on instruction – good student/teacher ratios.
- Participants undergo 120 hours of training with experts in the transportation construction field.
- The program is free for participants, and the knowledge gained is invaluable.

More than 1,000 graduates have been hired

- That includes 165 grads last year

wisconsindot.gov/HCST



Investing in Wisconsin

Developing a workforce

- Opportunities and challenges
 - Prioritizing what's important
 - UWP-led safety training
 - Leveraging resources effectively
 - Retaining/recruiting talent
 - Career fairs, social media, jobsites, interactive website
 - Training and development
- Program delivery is core to all we do



Work Zone Safety

Eau Claire
Aug. 24

Wausau
Aug. 22

Green Bay
July 20

Onalaska
May 31

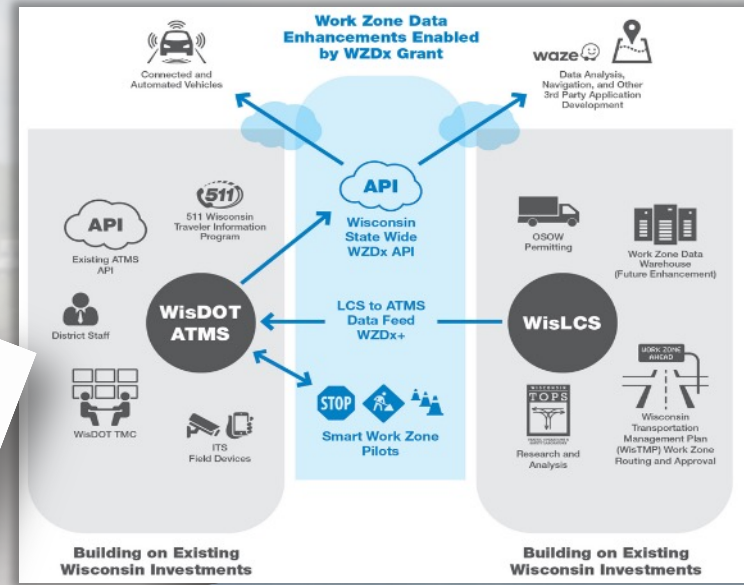
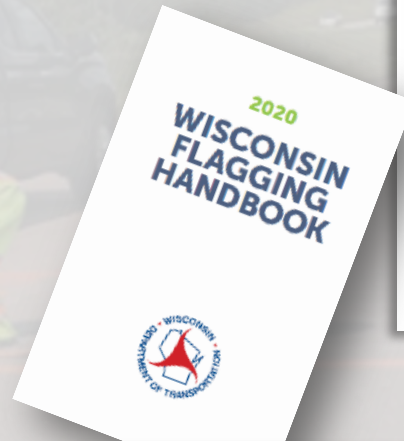
Milwaukee, Sept. 7

Madison
April 18



Work Zone Safety

- Autonomous Truck Mounted Attenuators (ATMA)
- Advanced Warning System
- Work Zone Data Exchange (WZDx)
- Temporary Rumble Strips
- Work Zone Flagging Certification
- Smart Work Zone Devices



Power of Choice

