



Division of Transportation System Development Update

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Contractor-Engineer Conference
Wisconsin Dells, WI

Jan. 16, 2025



WISCONSIN TRANSPORTATION
BUILDERS ASSOCIATION



Today's presentation

- Bipartisan Infrastructure Law
- Projects/Lettings
- Program updates
 - Utilities
 - Design-Build
 - Performance Measures
 - DBE
- Process Improvements
 - Technical Committees
 - ARIPWeb
- Work zone safety



Photo: I-41 expansion, Outagamie County

Delivering investments

wisdot.maps.arcgis.com



US 53



WIS 13

US 51



US 51



US 51



US 8



US 10



WIS 93

US 14



WIS 82



WIS 25



WIS 47



WIS 54

WIS 15



WIS 64



WIS 60

WIS 60



WIS 33



WIS 19



US 51

WIS 16



WIS 20



US 45



I-43



Bipartisan Infrastructure Law

Nov. 15, 2021
BIL is signed into law

Jan. 16, 2025
C-E Conference

FFY22

FFY23

FFY24

FFY25

FFY26

Delivering investments and looking ahead

- Partnerships (WisDOT, locals, counties, industry) make a difference
- Communicating early and often is key – that includes listening
- Get involved early in the project and remain active and engaged
- Focus on finding solutions
- Balancing lettings for SFY25-26

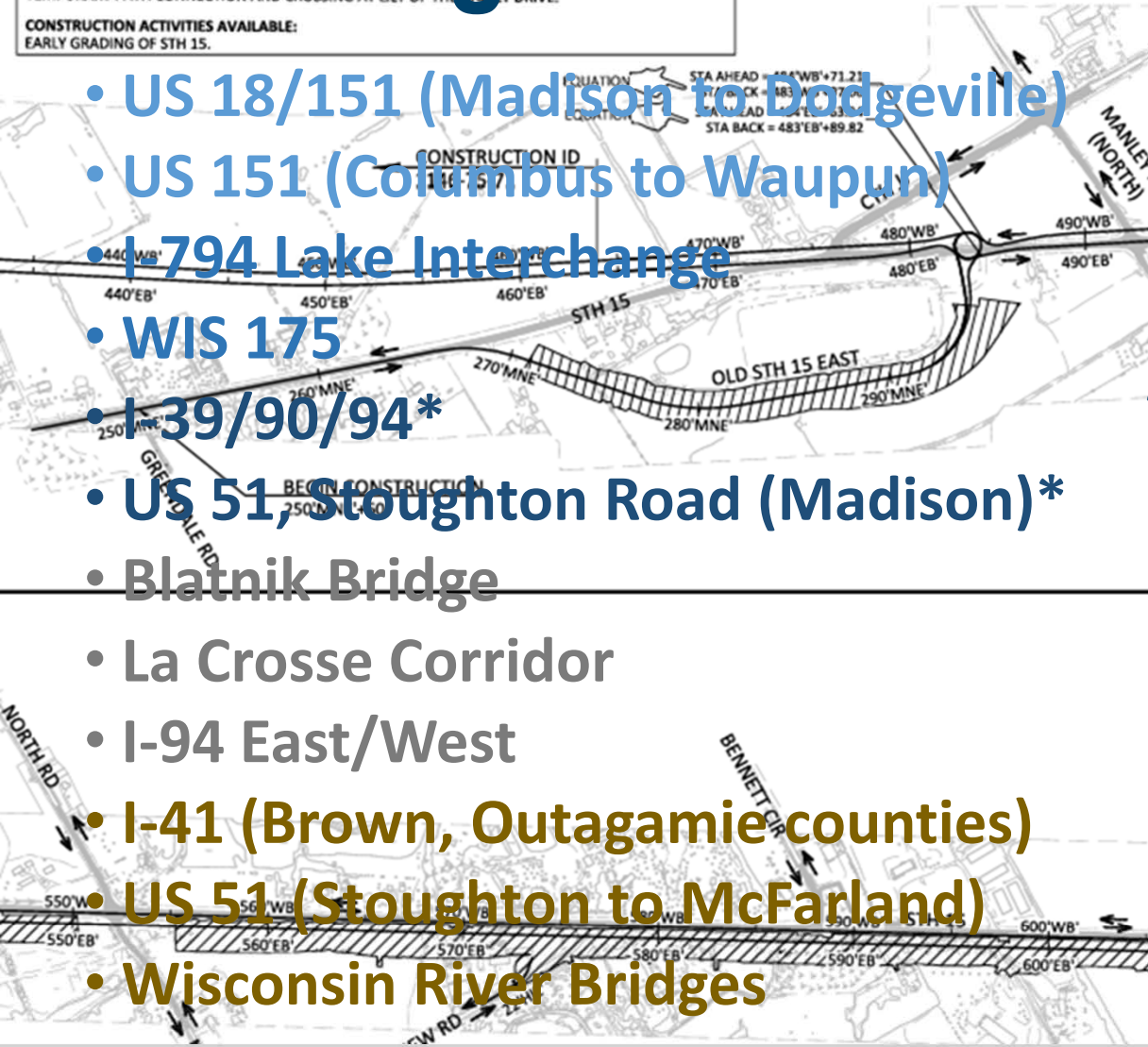


Contractor's Proposed Schedule - As of March 2022:

Delivering investments

STAGE 1A
MAINTENANCE OF TRAFFIC:
THE REMAINS OF EXISTING STH 15.
CONSTRUCTION ACTIVITIES AVAILABLE:
EARLY GRADING OF STH 15.

- US 18/151 (Madison to Dodgeville)
- US 151 (Columbus to Waupun)
- I-794 Lake Interchange
- WIS 175
- I-39/90/94*
- US 51, Stoughton Road (Madison)*
- Blatnik Bridge
- La Crosse Corridor
- I-94 East/West
- I-41 (Brown, Outagamie counties)
- US 51 (Stoughton to McFarland)
- Wisconsin River Bridges



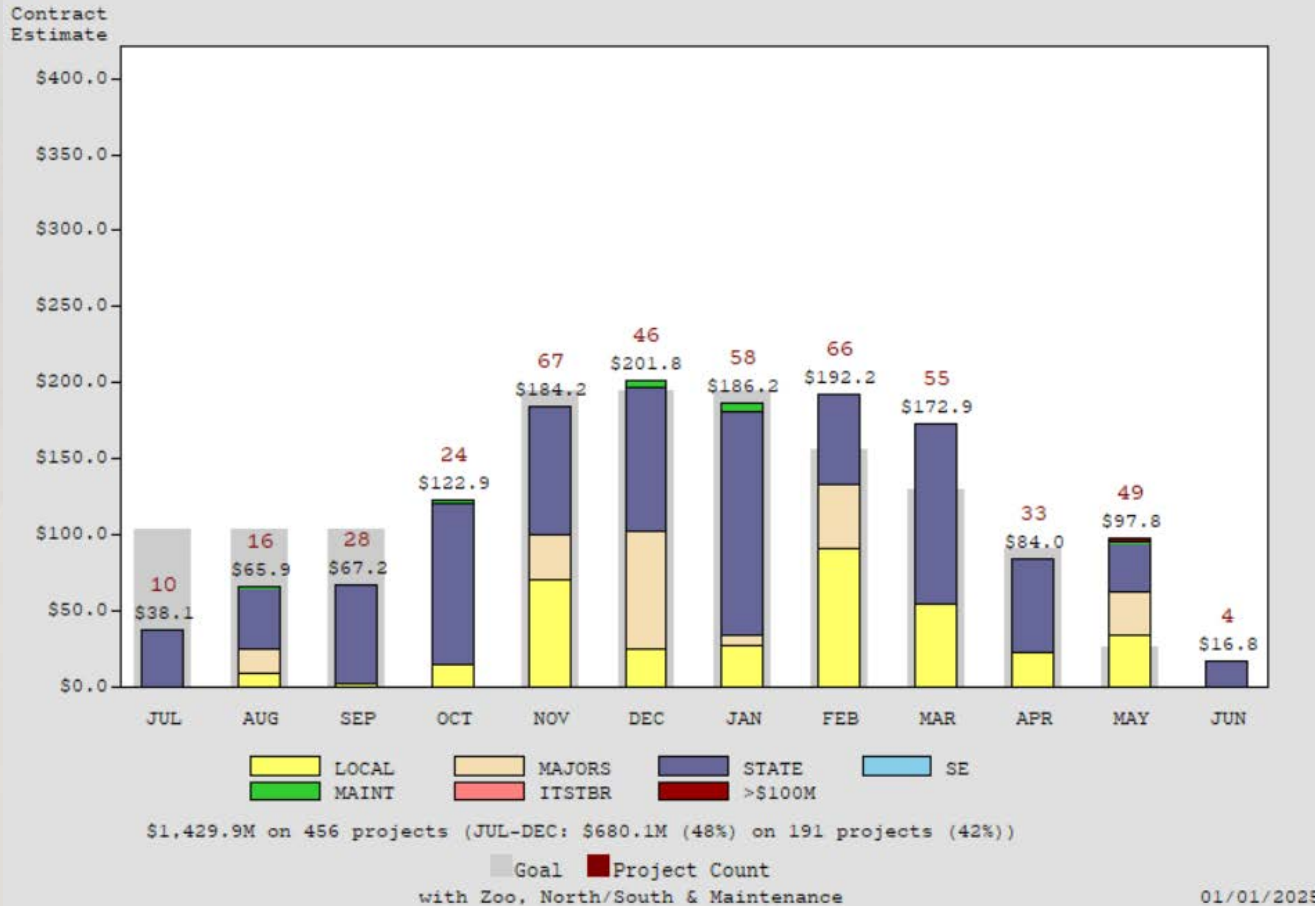
Top: I-41/Southbridge Rd. Interchange; Bottom: Lone Rock bridges



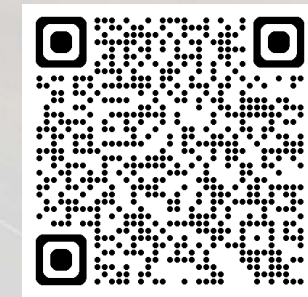
Program updates

Letting Implementation Plan

Millions of Schedule CONTRACT Dollars
SFY=2025



Check out the master contract schedule



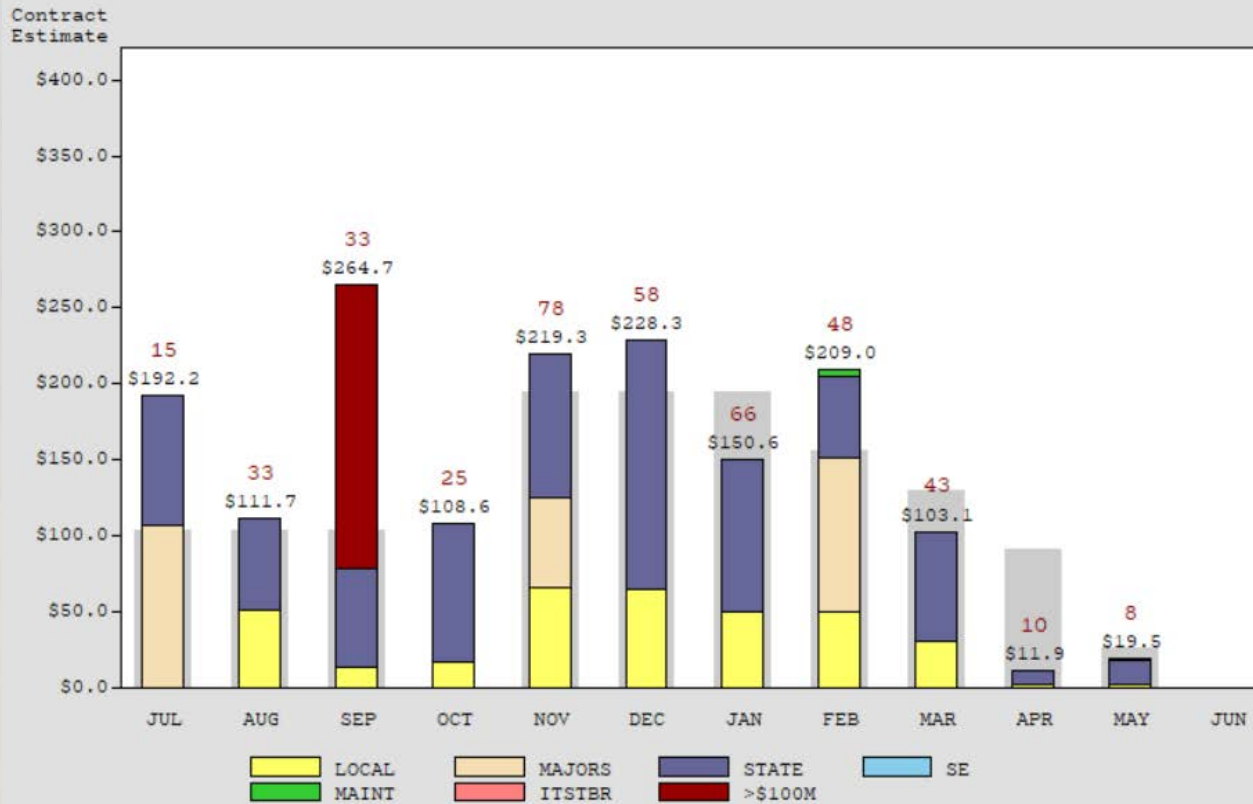
wisconsindot.gov/Pages/doing-bus/contractors/hcci/mstr-ctrct-sched.aspx



Program updates

Letting Implementation Plan

Millions of Schedule CONTRACT Dollars
SFY=2026

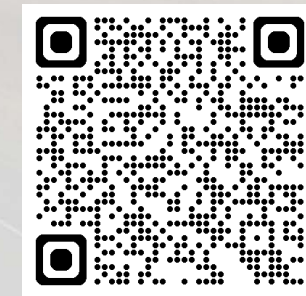


\$1,618.9M on 417 projects (JUL-DEC: \$1,124.8M (69%) on 242 projects (58%))

Goal (Grey bar) Project Count (Red bar)
with Zoo, North/South & Maintenance

01/01/2025

Check out the master contract schedule



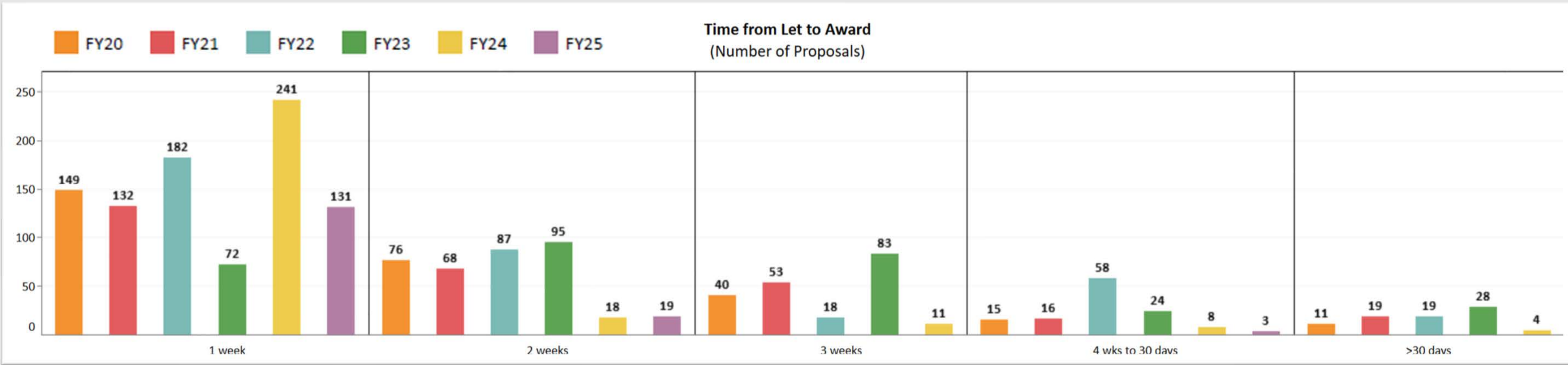
wisconsindot.gov/Pages/doing-bus/contractors/hcci/mstr-ctrct-sched.aspx



Program updates

Time to award

Overall proposals



- **FY20 = 9.9 days**
- **FY21 = 13.4 days**

- **FY22 = 12.5 days**
- **FY23 = 14.5 days**

- **FY24 = 8.2 days**
- **FY25 (YTD) = 7.9 days**

Program updates

Utilities

Utility Relocation Law

- WisDOT Standard Specifications 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 required to provide documentation of the impacts (i.e. contract time and/or compensation) seeking due to a utility delay
- Key takeaways so far:
 - There were **four claims** documented in 2024
 - Department and Utility Owners are monitoring schedules more effectively.
 - Communication between Department/Utility Facility Owner/Contractor has improved.
 - Follow Diggers Hotline timeline requirements for utility locates.

Program updates

Design-Build



WIS 125

Lone Rock,
Richland County (SWR)



WIS 130

Lone Rock,
Richland County (SWR)



wisconsin.gov/designbuild



Program updates

Design-Build

- I-90/94 Interchange, Monroe County

- Project includes two structures in the Cranberry Interchange
- RFQ released: Early January 2025
 - Questions due Jan. 31
 - Statement of Qualifications due Feb. 19
- Construction start: 2026

- US 51/WIS 29 Preservation Project, Marathon County

- Project includes pavement joint repair and bridge deck polymer overlays
- Anticipated release of RFQ: Mid-March 2025
- Construction start: 2026

- I-94 bridge replacement, Jefferson County

- Project includes replacing Crawfish and Rock River bridges and roadway in between
- Anticipated release of RFQ: Early 2026
- Construction: 2026-28

wisconsin.gov/designbuild



Program Updates

Performance Measures

Design Quality

- The **Design Quality Index** combines project plan evaluations by a construction project leader and a contractor to measure its completeness (quality).
 - reinforces the need to thoroughly scope projects
 - provides feedback to improve future plan design
 - ensures accurate plans for bid lettings.
- The results help improve future design processes and guidance and should ultimately reduce project costs.
- The **Plan Quality Business Report** is being developed to add less subjective data to the measure.
 - number of the contract change orders with plan issue reason codes
 - number of addenda
 - number of contractor questions with plan issue reason codes
- Areas of training identified include:
 - Missing/incorrect bid items, quantity errors, traffic control, erosion control

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
2024	12.42%	13.00%	9



Process improvements

Partnerships

Technical committees (with WisDOT chairs)

- Construction Contract Administration Workgroup – Brian Boothby
- Grading, Landscaping and Sewer (GLS) Technical Committee – David Staab
- Aggregate Technical Committee – Tirupan Mandal
- Concrete Pavement Technical Committee – Tirupan Mandal
- Hot Mix Asphalt (HMA) Pavement Technical Committee – Casey Wierzchowski
- Ride – Myungook Kang
- Bridge Technical Committee – Laura Shadewald
- Traffic Control Technical Committee – Matt Rauch



Process improvements

Partnerships

Technical committees

- All the teams contributed to the **Materials Specification** reorganization effort.
- First draft is complete and reviewed by industry.
- Refining it to make it as concise as possible.
- Goal is to finish it in 2025.

- **CCAW** – created subcommittees for materials and drop-off/hazard protection
- **GLS** – established task force to study excavation-related topics and develop specification language
- **HMA** – PWL Core-Only SPV Changes: nuclear gauges not needed to test shoulders
- **Aggregate** – implementing freeze/thaw testing
- **Concrete** – updated the APL process; partnered with NER, Ride team on SPV pilot on I-41 project



Process improvements

Partnerships

e-Ticketing

- Mandatory on select projects starting with February 2025 letting
 - HMA > 30,000 tons
 - Concrete > 20,000 square yards
 - Concrete Structures ≥ 1,300 cubic yards
- There will be an exemption process should a contractor encounter e-Ticketing limitations on a given project.
- WisDOT will continue to gather data and feedback throughout the season

e-Bonding

- Updating our DT2046 form
 - Working to streamline witness signatures
 - Potential for some pilot project lettings in early 2025

Unmanned Aircraft Systems

- Standards for UAS (drones)
 - Ensuring authorization, compliance, licensing, project flight approval, safety measures, data collection and use
 - Standard specs updated November 2024



Process improvements

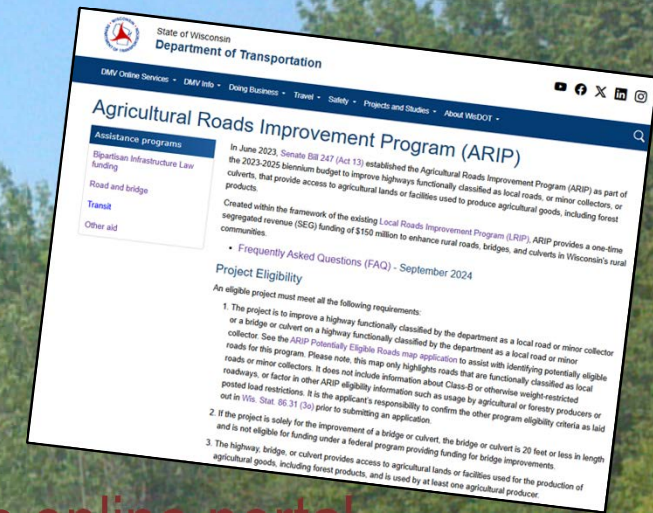
ARIPWeb

New resource

Agricultural Roads Improvement Program

- ARIP is a one-time SEG-funded grant appropriation in the 2023-25 biennium.
- Nearly \$50 million awarded in first round
- Another \$100 million to be awarded later this month

- ARIPWeb online portal is similar to the existing LRIPWeb online portal
- Local sponsors required to provide the advertising information seven days prior to publishing
- WisDOT will review and export available advertising information on a weekly basis
- A list of all advertising information will subsequently be made available online



Program Documents

- **New** Access ARIPWeb
 - ARIPWeb User Guide (coming soon)
- **New** ARIP Guidelines and Requirements
- **New** Engineer's Attestation Document (required for reimbursement requests)
- See the ARIP Potentially Eligible Roads map application to assist with identifying potentially eligible roads for this program. Please note, this map only highlights roads that are functionally classified as local roads or minor collectors. It does not include information about Class-B or otherwise weight-restricted roadways, or factor in other ARIP eligibility information such as usage by agricultural or forestry producers or posted load restrictions. It is the applicant's responsibility to confirm the other program eligibility criteria as laid out in Wis. Stat. 86.31 (3o) prior to submitting an application.
- ARIP Application Instructions Manual (Updated July 31, 2024)
- ARIP Project Award Recommendation Guidelines



Process improvements

ARIPWeb

Anticipated schedule

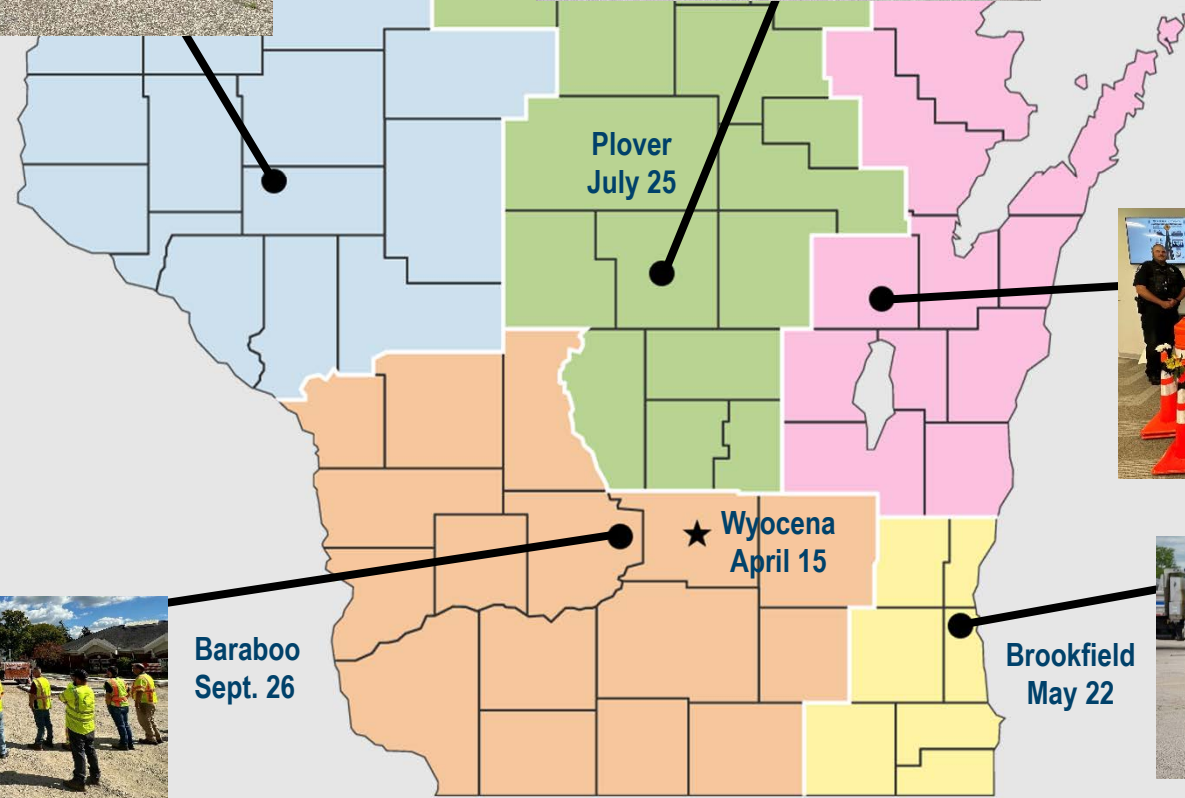
- **Spring 2025** – WisDOT to begin providing ARIP project advertising report online
- **September 2025** – WisDOT to enhance ARIPWeb for the capturing of material quantities and advertising information

Project Number	Project Sponsor	County	On Route	Name of Newspaper	Web Address	Bid Due Date	Status
A00006	Burnett County	Burnett	CTH B	Journal Local	journal.com/bidspecific	11/1/2024	CLOSED
A00001	Town of Adams	Adams	8th Dr	Local News	local.com/bidspecific	11/14/2024	OPEN
A00011	Town of Agenda	Ashland	Alder Ln	News Journal	news.com/bidspecific	11/28/2024	OPEN
A00008	Town of Colburn	Adams	Beaver Ct	Local News Journal	localnews.com/bidspecific	12/1/2024	OPEN
A00007	Town of Rockland	Brown	Furcho D	News Journal	news.com/bidspecific	12/8/2024	OPEN

The image shows two screenshots of the ARIPWeb interface. The left screenshot is the main dashboard with a 'Welcome to ARIPWeb!' message and several buttons: 'Apply for Project', 'Drop My Project', 'Request Reimbursement', 'View My Work Queue', 'Update Project Estimated Costs', 'Add Material Quantities to Projects', and 'Add Advertising Information to Projects'. The last two buttons are circled in red. The right screenshot is a 'Material Quantities - A00002' form with fields for: Asphalt (Tons), Concrete (Sq. Yds.), Excavation (Cu. Yds.), Base Course (Tons), Bridge Deck (Sq. Ft.), Milling (Sq. Yds.), Grinding (Sq. Yds.), and Stripping (Linear Ft.). Each field has a checkbox with 'N/A' next to it, and 'Save' and 'Cancel' buttons are at the bottom.

Work Zone Safety | 2024 Awareness Events

Eau Claire
June 11



Appleton
Aug. 15



Baraboo
Sept. 26

Brookfield
May 22



Work Zone Safety

Enhanced Safety Training

- Nearly 1,000 DTSD members attended

Safety Equipment

- DTSD upgrading PPE standards for staff ahead of 2025 construction season
 - Type 2 helmets; Class III vests

CURRENT



NEW GEAR



- Contractors/consultants expected to continue following OSHA guidelines

Work Zone Safety Task Force

- Temporary Traffic Control
 - Ex: I-894 full closure
- New Products and Technology
 - Digital Speed Reduction System (DSRS) will be standard item on projects where workers are within 12 feet of live traffic
- Public Awareness
 - Gas station ads pilot on I-41 project
- Law Enforcement and Speeds
- Training
- Legislation and Statute Changes

Power of Choice – Safety

- Lead by example
- If you see something, say something
- Leverage innovation and technology
- Weekly construction project meetings
- Work zone safety task force
- Education and training
- Be engaged and stay engaged
- You have the power to make a difference





Thank you!

*Rebecca Burkel – DTSD Administrator
WTBA – Jan. 16, 2025*

