3/T LI DBE WORKSHOP & SECRETARY'S & SECRETAR







94 NORTH-SOUTH FREEWAY PROJECT

Plan Ahead, Drive Safely, Move Forward

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I-94 NS Freeway Project - Metrics to Date

- 3 contracts
- Total let value of \$410M
- Reduced mainline construction schedule by 12 months (36 months reduced to 24)
- Eliminated 18 months of permanent work zone lane reductions





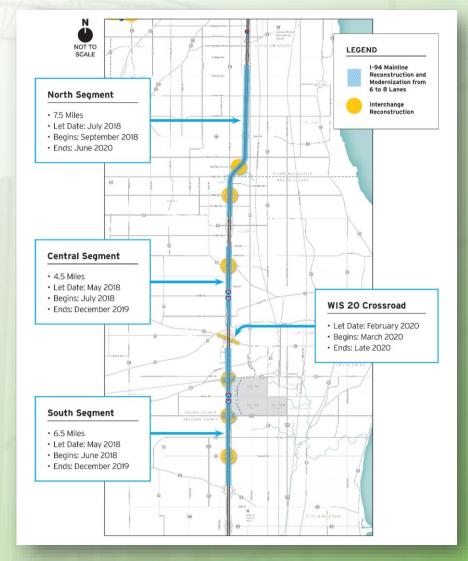
PROJECT SUMMARY

Three mainline segments

Six interchanges

18.5 miles

Delivery of about \$500M makes this the fastest-paced mega project in WisDOT history



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SOUTH SEGMENT

WIS 142 - WIS 20

WORK COMPLETED

Expanded freeway to four lanes in each direction

Replaced bridges at County E, County A, County KR, Braun Road, WIS 11, & 58th Road

Reconstructed 6.5 miles of freeway

Reconstructed County E, County KR, & WIS 11 interchanges







I-94 Project Status – South Segment Prime contractor: Michels Corp.

- LET Value: \$168,872,899
- Revised Contract Cost: \$168,380,359
- Paid to Date: \$159,681,635 / 95%
- Current configuration:
 - 4 lanes of traffic on I-94 WEST (NB) and I-94 EAST (SB)
- Remaining work:
 - Final pavement markings
 - Landscaping and restoration





CENTRAL SEGMENT

WIS 20 – County G

WORK COMPLETED

Expanded freeway to four lanes in each direction

Replaced bridges at Kraut Road, Golf Road, & County K

Reconstructed 4.5 miles of freeway

Reconstructed County K Interchange







I-94 Project Status – Central Segment Prime contractor: Michels Corp.

- LET Value: \$80,026,048
- Revised Contract Cost: \$80,851,347
- Paid to Date: \$76,547,635 / 95%
- Current configuration:
 - 4 lanes of traffic on I-94 WEST (NB) and I-94 EAST (SB)
- Remaining work:
 - Final pavement markings
 - Landscaping and restoration





NORTH SEGMENT

County G – College Avenue

WORK COMPLETED

Completed all pavement work on 7.5 miles of mainline

Replaced bridges at Seven Mile Road, Root River, Oakwood Road & Oak Creek

Began construction on a new Elm Road interchange

Southbound noise walls completed









I-94 Project Status – North Segment

Prime Contractor: Walsh Construction

• LET Value: \$161,732,637

• Revised Contract Cost: \$163,732,637

• Paid to Date: \$144,026,760 / 88%

- Current configuration:
 - 3 lanes of traffic on I-94 WEST (NB) between County G and College Ave.
 - 3 lanes of traffic on I-94 EAST (SB) between College Ave. and Ryan Rd.
 - 4 lanes of traffic on I-94 EAST (SB) between just south of Ryan Rd. and County G
- Remaining work:
 - Concrete barrier wall
 - Final pavement marking
 - Landscaping and restoration
 - Completion date: June 21, 2020











PROJECT STATISTICS: THESE NUMBERS REPRESENT THE WORK COMPLETED IN 2018 & 2019



CUBIC YARDS OF EXCAVATED SOIL

















Total Estimated Quantities

PROJECT	Concrete (Sq. Yards)	Excavation (Cu. Yards)	Borrow (Cu. Yards)	Base Course (Tons)	Bridge (Sq. Feet)	Barrier Wall (Lin. Feet)
South Segment	722,500	582,500	1,109,000	387,500	251,000	110,050
Central Segment	432,500	263,300	292,000	190,500	60,300	76,732
North Segment	803,000	1,097,000	602,500	469,000	127,300	65,049
Totals	1,958,000	1,942,800	2,003,500	1,047,000	438,600	252,000







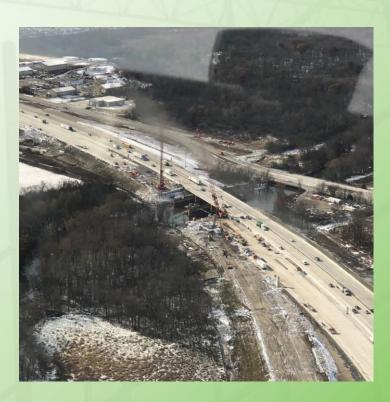


WIS 11 Interchange Progress









I-94 at Root River Progress









Elm Road Interchange Progress









Decorative Retaining Wall

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Stakeholder Impacts



South Segment – List of Key DBE Contractors

Arrow-Crete Construction	Concrete Surface Drains, Curb and Gutter, Sidewalk, and Concrete Barriers	\$7,804,683
Pro Electric	Electrical	\$2,959,615
Arbor Green	Guardrail and Signs	\$1,764,451
Wisconsin Rebar	Steel Erection	\$1,331,312
Platt Construction	Sign Supports	\$785,545
DK Contractors	Storm Sewer	\$700,000
Interra	Material Testing, QMP for Grading, and MSE Wall Work	\$508,757
Con-Cor Company	Sawing Asphalt and Sawing Concrete	\$141,434





Central Segment – Key DBE Contractors:

Arrow-Crete Construction	Concrete Surface Drains, Curb and Gutter, Sidewalk, and Concrete Barrier	\$4,068,284
DK Contractors	Storm Sewer	\$4,000,000
Arbor Green	Guardrail, Signage, and Landscaping	\$793,966
Pro Electric	Removing, Install Conduit, Pull Boxes Steel, Concrete Bases, Cable Traffic Signal, Electrical Wire, Electrical Service Meter Breaker, and Electrical and Lighting	\$732,539
Wisconsin Rebar	Steel Erection	\$556,480
Interra	Material Testing, QMP for Grading, and MSE Wall Work	\$306,857
Platt Construction	Sign Supports	\$148,836
Con-Cor Company	Sawing Asphalt and Sawing Concrete	\$82,631
Surface Preparation Technologies	Rumble Strips	\$38,667



North Segment - Key DBE Contractors:

Arrow-Crete Construction	Concrete Flatwork	\$5,202,896
Arbor Green	Guardrail, Signage, and Landscaping	\$3,889,290
Choice Construction Companies	Rebar Installation and Beam setting	\$1,000,000
Interra	Material Testing	\$955,748
Hard Rock Sawing & Drilling	Sawing	\$224,527
Royal Crane Service	Crane Rental	\$227,768
Mincon	Painting/Staining	\$157,831



South/Central Segment Cost Reduction Incentives (CRIs)

CRI 01/02 - Open Cut Cross Drain Install Method

- Instead of boring under live traffic, the contractor proposed to shift traffic and open cut the storm sewer.
- \$418,728 Savings



North Segment CRI's

CRI 04 - 54W PPC Girders for NB/SB Over Oak Creek

- Changed bridge types from slab span to single span structures and eliminated planned piers in the Oak Creek. Able to build bridge in a time where the DNR had placed water disturbance restrictions.
- \$68,301 Savings

CRI 05/07 – 36W PPC Girders for NB/SB over Oakwood Road

- Changed bridge types to single span structures instead of a three span haunched slab bridge, by reducing back-to-back abutment length by installing a mechanically stabilized earth wall and slightly increasing the I-94 profile.
- \$494,481 Savings



North Segment CRI's cont.

CRI 06 - Shoulder Repair in lieu of Replacement

- Installed asphalt patches on concrete shoulder prior to placing traffic on it, in lieu of replacement of entire shoulder.
- \$69,070 Savings

CRI 08 – Re-Stage of 1C & NB Median Shoulder Replacement

- Proposed traffic Stage 1C to complete the removal of the median barrier wall, installation of the proposed trunk line storm sewer in the NB median shoulder, and construction of a temporary shoulder and ramp crossovers to be used in Stage 2B.
- \$388,538 Savings





Total Project Savings

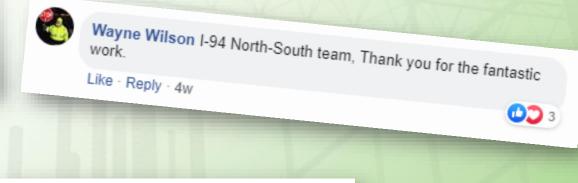




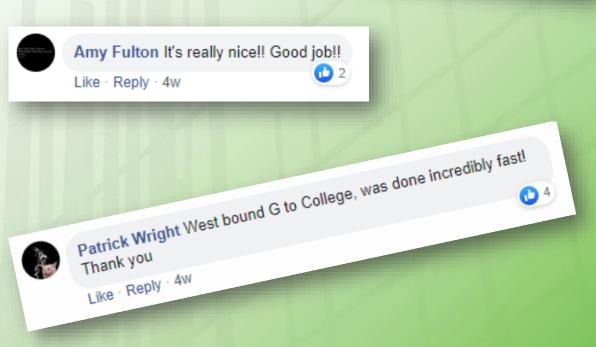
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While it's been an inconvenience, it's good designing and working on a project of this magnitude. While it's been an inconvenience, it's great to get to hear that things are moving along and that the project is ahead of schedule. It's great to get these updates too.







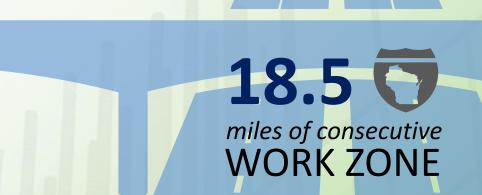
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WisDOT continues to implement strategies to encourage and enforce safer driver behavior through the freeway work zone.

Safety is our top priority.





The I-94 N-S Traffic Management Plan (TMP) is a robust plan that addresses:

- Local and regional mobility
- Traveler safety
- Emergency responder coordination
- Detour and alternate routes
- Traveler information







Enhanced safety strategies in place to increase awareness of *narrow shoulders* to help remind drivers to stay in their lanes:

- Solid pavement markings approaching bridges
- Hazard markers on barrier wall at bridges
- Raised pavement markers







Enhanced safety strategies to address *speeds*:

- Speed limit was reduced to 60 mph from WIS 142 to Rawson Avenue, and 55 mph from County G to Rawson Avenue.
- More electronic speed boards placed throughout the work zone.
- Increased law enforcement presence to encourage/enforce compliance with the posted speed limit.
- Piloted blinking LED speed limit signs to increase awareness.



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This project has been a major success in part due to the hard work of the contributing DBEs!

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