

I-94 NORTH-SOUTH FREEWAY | FOXCONN PROJECT DIRECTOR WISCONSIN DEPARTMENT OF TRANSPORTATION



THE CHALLENGE





I-94 NORTH-SOUTH MILESTONES







WIS 142 to WIS 20 I-94 SOUTH SEGMENT

Project Update

Began in mid-June 2018

Reconstructed 6 miles of northbound freeway

Reconstructed 3 interchange northbound ramps

Completed 6 bridge pours





NORTHBOUND MAINLINE PAVING





WIS 11 RAMP PAVING

COUNTY KR DECK POUR

COMPLETED NORTHBOUND MAINLINE

WIS 20 to County G I-94 CENTRAL SEGMENT

Project Update

Began in mid-July 2018

Reconstructed 4.5 miles of northbound freeway

Reconstructed 1 interchange northbound ramp (County K)

Completed 3 bridge deck pours



COUNTY K BRIDGE REMOVALS

KRAUT RD. PILE DRIVING









NORTHBOUND MAINLINE PAVING

COMPLETED NORTHBOUND MAINLINE

County G to College Avenue **I-94 NORTH** SEGMENT

Project Update

Began construction in September 2018

Removed 27th Street ramps

Reconstructed and realigned 27th Street at the West Frontage Road

Performed temporary northbound widening

Completed 2 temporary bridge deck pours



ROOT RIVER TEMPORARY BRIDGE WIDENING



SEVEN MILE RD. TEMPORARY BRIDGE WIDENING



27TH ST./WEST FRONTAGE RD. REALIGNMENT







ROOT RIVER DECK POUR FOR TEMPORARY WIDENING

NORTHBOUND TEMPORARY MAINLINE PAVING

THE PATH AHEAD

WE ARE MAKING PROGRESS!

Currently, I-94 North-South is configured with three lanes of traffic in each direction between WIS 142 and College Avenue.



Traffic on all new pavement by end of 2019

SOUTH SEGMENT (WIS 142 TO WIS 20)

The project is eight months down with ten to go before construction is complete!



CENTRAL SEGMENT (WIS 20 TO COUNTY G)

The project is seven months down with ten to go before construction is complete!



NORTH SEGMENT (COUNTY G TO COLLEGE AVENUE)

The project is five months down with fifteen to go before construction is complete!





All freeway lanes open Memorial Day 2020

COMPARING SE MEGA PROJECTS



YEARS OF CONSTRUCTION

Wisdot Role in Development Roads

- WisDOT investment in WIS 11 and local roads around Wisconn Valley Science and Technology Park
 - WisDOT taking temporary jurisdiction because:
 - Significant projects best managed by one entity
 - One entity coordinating will be most efficient and cost-effective
 - WisDOT expertise in large complicated projects
 - Local jurisdiction returned after construction completed



DEVELOPMENT ROADS MILESTONES



WISCONN VALLEY DEVELOPMENT ROADWAYS

Projects

County KR (I-94 to Old Green Bay Road)

County H (County KR to Venice Avenue)

Braun Road (I-94 to 90th Street)

WIS 11 (56th Road to County H)

International Drive (extension to WIS 11)

Wisconn Valley Way New north-south roadway between County KR and WIS 11

Willow Road/WIS 11



WISCONN VALLEY DEVELOPMENT ROADWAYS

2018 lets: complete or underway

Braun Road Phase I

International Drive

County KR Phase I

Wisconn Valley Way box culvert

County KR box culvert

Wisconn Valley Way and County KR Intersection

Willow Road/WIS 11



INTERNATIONAL DR. STORM SEWER





BRAUN RD. STORM SEWER







NEWLY CONSTRUCTED WILLOW RD.



WISCONN VALLEY DEVELOPMENT ROADWAYS

2019 lets

County H Phase I: Jan. 15

Wisconn Valley Way: March 12

WIS 11 intersection with Wisconn Valley Way: July 9

WIS 11 Phase I : July 9

Braun Road Phase II: July 9

WIS 11 intersection with County H: December 10

County H Phase II: December 10



MAJOR UTILITY CONSTRUCTION





UTILITY COORDINATION

- WisDOT lead agency
- Mega Project approach
- Coordinated relocation plan
- Work plan and permit plan review
- Coordinated construction schedule
- Weekly utility coordination meeting



RAILROADS





ENVIRONMENTAL

- Early and extensive coordination with agencies and local municipalities
- U.S. Army Corps of Engineers and WI Department of Natural Resources (DNR) identified I-94 and Wisconn Valley Development Roads as priority projects
- Early decision to mitigate wetlands at 2:1 ratio
- Partnering with WI DNR to identify watershed improvements
- Erosion control maintained and monitored
- First WisDOT project to use in-lieu fee program with WDNR



New stream diversion channel at Braun Road



TRAFFIC MANAGEMENT

TRAFFIC OPERATIONS



- High traffic volumes 150,000-80,000per day, depending on segment
- 20 percent trucks overall, 40 percent at night
- Interchanges closely-spaced, every two miles

INCIDENT MANAGEMENT



- Fire department services
- Freeway service teams
- Emergency vehicle preemption
- Incident/crisis communication plan
- Dedicated work zone law enforcement patrols

PUBLIC INFORMATION



- Website
- Newsletters/hard-copy pieces
- Social media
- Media interviews/press releases
- Weekly stakeholder traffic meeting
- Local officials/government briefings
- Public open house meetings
- Residential outreach
- Business outreach and signage
- Community groups and schools
- Special events



SITE MOBILITY

- Multiple construction worker access routes northbound and southbound from I-94
- Construction materials
- Building and office materials
- Prefabricated components



Volga-Dneph

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cridor Study



These key best practice themes comprise the foundation for successfully managing large and complex projects, and they support the structure and delivery of WisDOT Mega Projects. These themes should be used as a guide and starting point for Mega Project structuring, staff development and delivery. True best practices are constantly evolving, adapting and changing to meet the needs of unique projects.

MANAGING CONSTRUCTION

WisDOT is committed to delivering these projects:

- On time
- On budget
- Safely ۲
- Efficiently
- With quality
- Proactive communication
- With the community ۲





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