



2010 I-35 Construction

April 14, 2010



Project Area



Project benefits

- One-time / long-term fix for I-35
- Many projects in a 2 year time span.
- Pavement replacement
- Safety improvements
 - Shoulders
 - Barrier
 - Improved sight distance
- Replacement of three fracture critical bridges





Project Cost

- Apparent Low Bid -\$66,876,987.25
- Arrowhead 35 Constructors, LLC (Lunda Construction & PCI Roads)
- Funding
 - Federal (not stimulus)
 - State Bridge Bond (Chapter 152)
 - State Match





Disclaimer

- As with any construction project, there are unknown conditions and weather problems.
- Plans are subject to change to meet those conditions.
- Mn/DOT will provide updates as conditions change. Check the website for updates.



Area 3, Mesaba Ave to London Rd./34th Ave E. - Pavement Rehab, Intersection Replacement, culvert replacement (2010)

Area 2, Paper Mill to Garfield Ave - Reconstruct (2010 & 2011) 40th ramps (2012)

Area 1, Thompson Hill 2010 Rehabilitation. Cody Ramps in 2011.





2010 “Thompson Hill” Work *Boundary Avenue to Central Avenue*

- Concrete Pavement Repair
- Bridge Deck on Hwy 2 Bridges
- New Median Barrier
- Bridge Repairs to 3 bridges
- All work completed in 2010





2010 “Thompson Hill” Traffic

Boundary Avenue to Central Avenue

- Traffic restricted to a single lane at Boundary Avenue (ramps open)
- Trucks detoured to Midway Rd, Hwy’s 194 & 53
- May –July -Traffic diverted to the northbound lanes
 - Ramp to westbound Hwy 2 closed, use Boundary Avenue
 - Cody Street ramps open
 - Grand Avenue ramps closed
 - SB ramp from Central Avenue closed (use Cody Street)





2010 “Thompson Hill” Traffic

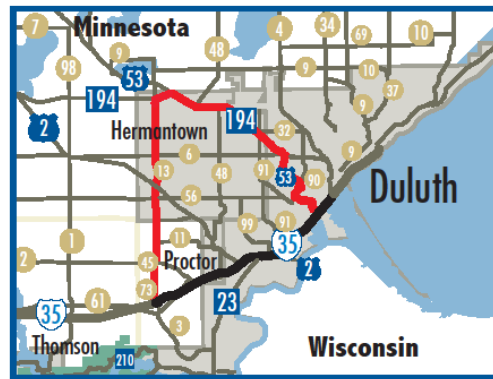
Boundary Avenue to Central Avenue - cont


- Aug – Oct. - Traffic diverted to the southbound lanes
 - Ramp from eastbound Hwy 2 closed, use Boundary Avenue
 - Cody Street ramps open
 - Grand Avenue ramps closed, detour to Central Avenue
 - NB ramp to Central Avenue closed, use Cody Street
- SB I-35 ramp to Central Avenue closed for approx 2 wks- TBD



Truck Detour Route

Truck Detour Route
I-35 Detour to Duluth Via
County Rd. 13 (Midway Rd.), Hwy 194 and 53



 Suggested Detour





Truck Detour Details

- Trucks over 10 Ton prohibited on I-35 from Boundary Avenue to Central Avenue
- Detour via Midway Road (CSAH 13), Hwy's 194 and 53. Return to I-35 on Piedmont Avenue and reverse.
- Trucks are allowed south of Boundary Avenue and north of Central.



Paper Mill Bridge



Ore Docks Bridge – *Northbound*





2010 Area 2 Work

Paper Mill to Garfield Avenue

- Replace the southbound Paper Mill Bridge
- Replace the northbound Ore Docks Bridge
- Remove the northbound bridge near 25th Avenue West
- Build new Recycle Way
- New concrete pavement northbound.
- Bridge repairs in “Can of Worms”



New Recycle Way



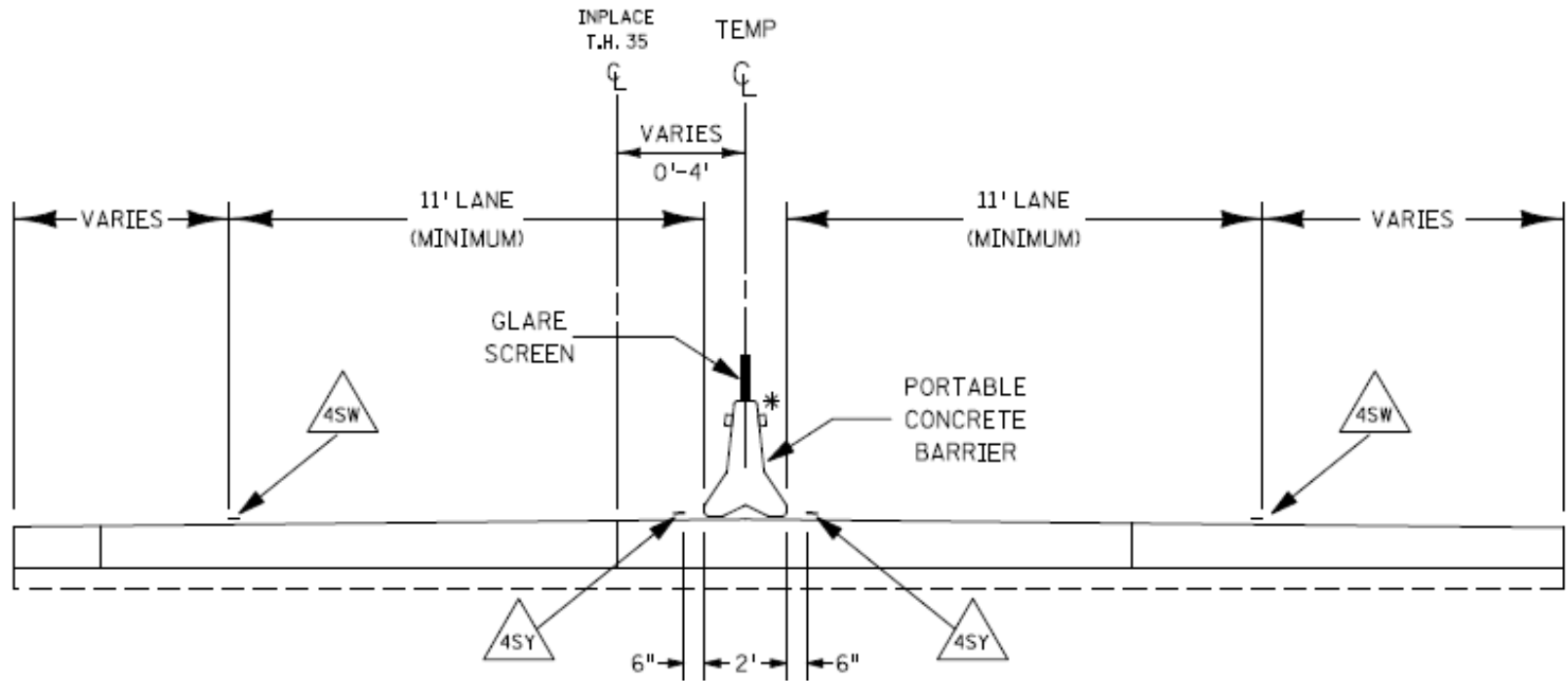


2010 Paper Mill to Garfield Ave Traffic

- Traffic continues in a single lane on the NB lanes until 46th Avenue West and then crosses to the SB lanes until Garfield Avenue.
- Single lane traffic between concrete barrier – May - October



TYPICAL SECTION



① REMOVE INPLACE CONFLICTING MARKINGS.

② PORTABLE PRECAST CONCRETE BARRIER MAY BE OFFSET UP TO 4' FROM THE INPLACE CENTERLINE AT THE DISCRETION OF THE ENGINEER.

* MEDIAN BARRIER DELINEATORS AT 30' SPACING BOTH SIDES OF BARRIER.





2010 Paper Mill to Garfield Ave Traffic

- Bong Bridge ramps
 - 46th to SB I-35 closed
 - Bong Bridge to NB I-35 closed
- 40th Avenue West – Open with changes
- 27th Avenue West
 - 27th to NB I-35 closed
 - NB I-35 to 27th closed – approx 4 wks- TBD



Can of Worms 2010 & 2011





2010 Can of Worms Traffic

- NB I-35 to NB Hwy 53 (left ramp) closed
- NB I-35 to Blatnik Bridge closed
- SB I-35 to Blatnik Bridge closed
- Other ramps closed for short periods
- All ramps have signed detours.
- All movements accommodated.





2010 Area 3 Work

Mesaba Avenue to 26th Avenue E

- New bituminous from 5th Ave W to Lake Ave
- Concrete pavement repairs from Lake to 26th Ave E
- Replace concrete at 26th Avenue E & London Road intersection





2010 Mesaba to 26th Avenue E Traffic

- Lane closures north of Garfield in normal direction.
- I-35 closed from 21st to 26th East
 - 6 week period from June 21 – Sept 2
 - Detoured along London Road





2010 Mesaba to 26th Avenue E Traffic

- Mesaba Avenue, 5th Avenue W, Lake Avenue and 21st Avenue E open
- SB Lake Avenue – short closure for paving (hours)
- London Road will remain open with a single lane in each direction except for 2- one day detours.





Winter 2010-2011

All roadways and ramps open!





2011 Area 2 Work

Paper Mill to Garfield Avenue

- Replacement of bridges at Paper Mill and Ore Docks
- Pavement replacement from 46th Avenue West to the “Can of Worms”
- Repairs and painting on bridges in “Can of Worms” interchange
- Only area of work





2011 Paper Mill to Garfield Ave Traffic

- Single lane traffic between concrete barrier –
May – October
- Ramp closures including the “Can of Worms”





2012 Work and Traffic

- 40th Avenue West ramps closed and reconstructed
- Completion by June 30, 2012





Project Incentives

- Up to \$1.5 million for early completion
- Incentives based on segments
- \$20,000 / day





2010 Other Construction Work

- I-35 Moose Lake to Mahtowa – long-term lane closures
- Blatnik Bridge and Bong Bridge - single lane for several weeks for cable testing
- Second Street - 4th Avenue to 24th Avenue East – April 19 start
- Lester River Bridge – detour in July & Aug to Superior Street
- Mall Area construction – complete by June 30, 2010





Hwy 23 and I-35 Repairs

- Drainage repairs along Hwy 23 near Morgan Park
- New bituminous near Morgan Park entrance
- Mill and place bituminous on Hwy 23 from Beaudry Street to Riverside Drive
- Wedge paving along Hwy 23
- New ped ramps in paving areas.
- Early to mid May





Alternate Routes

- **DTA**
 - **FREE Express Routes from Zoo area**
 - **Park & Ride lots**
 - **Will use Grand Avenue parking lanes**

Local drivers please use local routes.





Motorist Assistance

- Service Patrols
- Clear alternate routes
- Alternate Routes - Scenic 23
- Maps of alternate routes
- Coordination with Emergency Services



Alternate Route Maps

**Alternate Route to Duluth Via
Hwy 33, 2, 53 and 194 to 5th Ave. West**



 Suggested Alternate Route



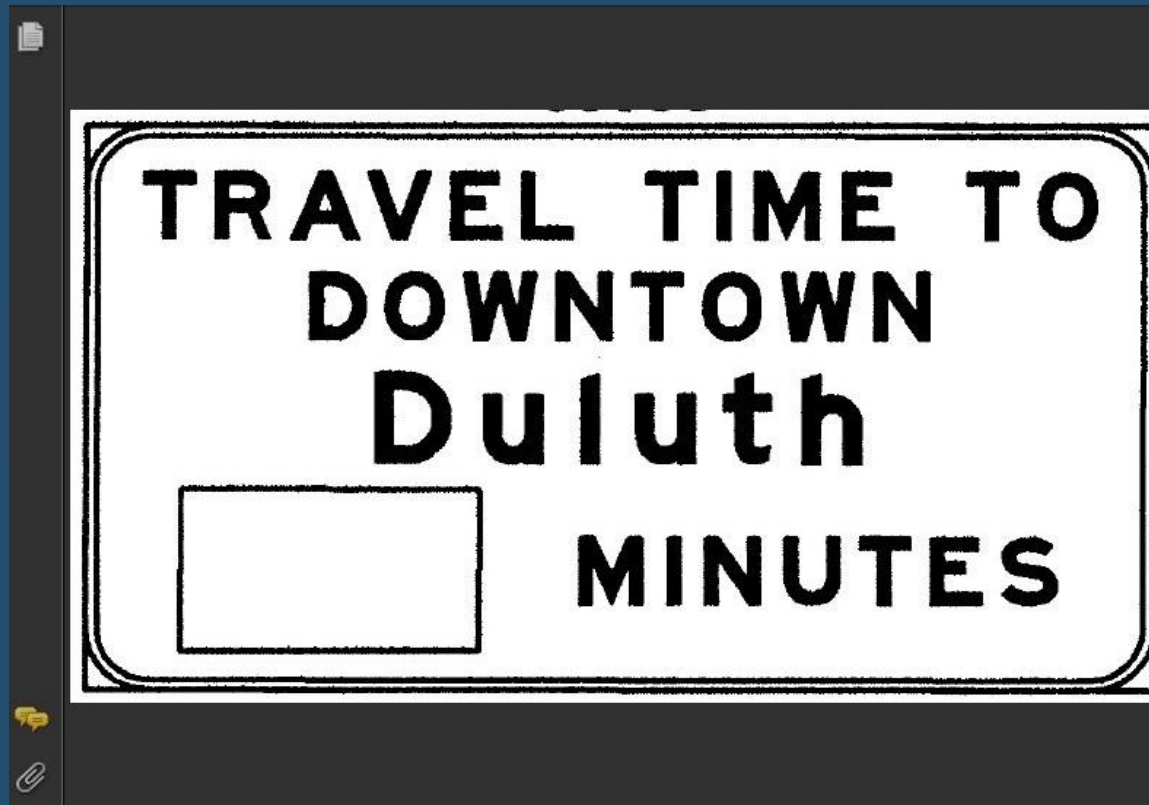


Motorist Assistance

- E-mail alerts
- Real time delay signing
- Website for real time traffic
- Mn 511
- Advance signing from Twin Cities
- **DULUTH AND THE NORTH SHORE ARE OPEN!**



Travel Time Signs





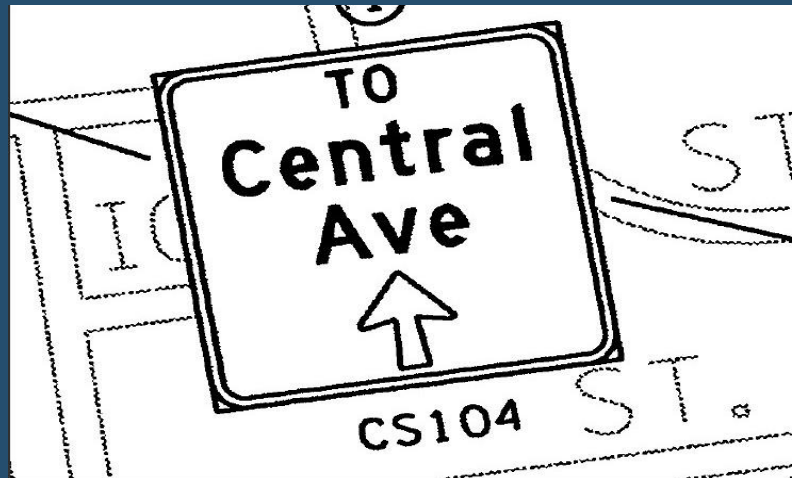
Business Assistance

- Brochures - pdf formats
- E-mail alerts
- Business packets
- UMD Center for Economic Development
- Weekly meetings – Jim Sorenson, Business Liaison
- Logo link to website



Business Signing

- Will sign to areas – i.e. 27th & 40th Avenue W
- No room for individual business signing
- Key advertising and directions to areas.





Hours of Work

- Monday – Saturday
- 6 AM – 10 PM
- No Sundays unless authorized
- Noise
 - Monday – Saturday
 - 7 AM – 8 PM
 - Exception – sawcutting joints





DUST

- Contractor must have an approved dust control plan
 - Follow all state and federal laws
 - Water prior to all sweeping or cleaning
 - During bridge removal water with a hose





Schedule

- May 3 – Contract start date

Prep work including signing, bypass construction, grading

- May 12 – Tentative first business meeting date - TBA
- May 17 – Estimated date of traffic diversion
- October 22, 2010 – completion date in 2010
- April – October 2011





Website

www.dot.state.mn.us/duluthmegaproject





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QUESTIONS?

Ideas?





Slow down in work zones!

***Thank you for your
patience!***

