



MN TZD Conference Workzone Temporary Roundabout

Ken Hansen, PE | MnDOT District 3 Traffic Engineer

10/24/2019

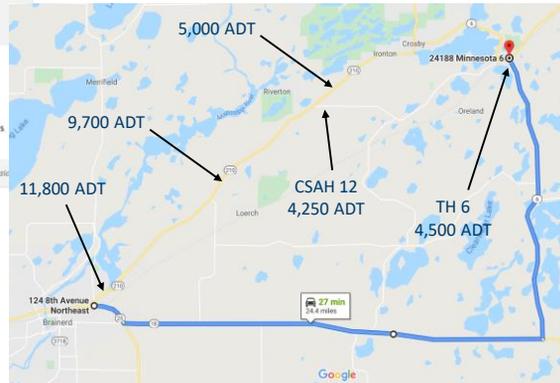


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TH 210 Reclaim Project



Detour Route:
TH 25 -> TH 18 -> TH 6



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TH 210 at TH 6 Location



Temporary Traffic Control Options

- Reassign Stop Control
 - Driver Confusion with T leg not stopping
- All-way Stop
 - Poor compliance
- Temp Signal
 - Cannot get RR preemption for Temporary application
- Roundabout
 - Driver familiarity
 - R/W?

Construction



1 day to build
~\$25,000 build and removal
No additional R/W

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Trucks



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Trains



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Crashes

- 1 Documented PDO Crash

veh 2 traveling north on Hwy 6, entering into a roundabout at Hwy 6/Hwy 210. As subject entered into the roundabout, she did not notice veh 1 in the roundabout and traveling east. Veh 1 then collided into veh 2, causing minor damage to both vehicles.

- 2 Crashes with Highway Lighting



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Public Response

Good:

“very impressed with the “quick and dirty roundabout on TH 210 and TH 6. That intersection was always a problem for northbound on Fridays...”

Bad:

“Traveling this week at this intersection was a disaster. All directions have yield signs – so everyone yields a the crossing...It has not made it easier to get through.”

Outreach:

- 2 Open Houses
- City Police Chief communicated regularly with Traffic and Construction staff

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Removal

- 1 Day
- Mill on Standby
- Noticeable but not confusing



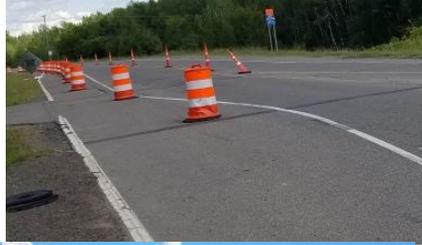
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Lessons Learned

- Consider fastest path during construction
- Extend bituminous splitter islands
- Use stick down flexible delineators



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Lessons Learned Continued

- Need Highway Lighting
- Paint yield bars
- Paint around center island
- Additional advance signing

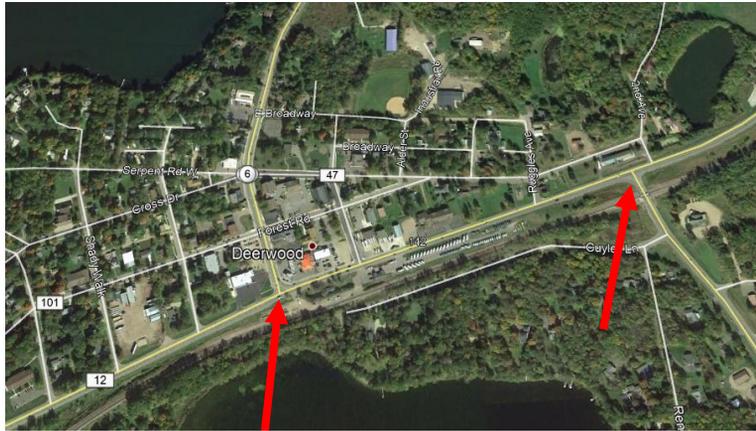


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Future Plans?



The City will be requesting permanent compact roundabout not only at TH 210 at TH 6 but also TH 210/6 at Crow Wing CSAH 12

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Thank you!

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