

# 90% of Traffic is speeding through the Work Zone!

- Crashes / Incidents
- What's the root cause?
- Can we somehow see the actual speeds in real-time?
- Is 90% of traffic actually speeding?



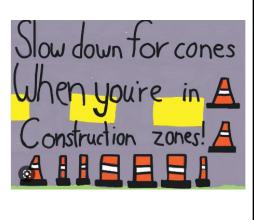
|  |                 |         |         | Temporary Speed Senor Data |         |          |          |  |
|--|-----------------|---------|---------|----------------------------|---------|----------|----------|--|
| From   | 9/20/2021 6-40- | 14 PM   |         |                            |         |          |          |  |
| From 8/20/2021 6:40:44 PM<br>Thru 8/31/2021 3:42:33 PM |                 |         |         |                            |         |          |          |  |
| Direction  | Total Volume    | > 60mph | > 70mph | > 80mph                    | > 90mph | > 100mph | > 110mph |  |
| EB   | 480,124         | 183,374 | 75,754  | 23,919                     | 2,351   | 179      | 4        |  |
| WB   | 523,641         | 330,412 | 33,653  | 1,666                      | 127     | 0        | 0        |  |
| Total  | 1,003,765       | 513,786 | 109,407 | 25,585                     | 2,478   | 179      | 4        |  |
|  |                 |         |         |                            |         |          |          |  |
|  |                 |         |         |                            |         |          |          |  |
|  |                 |         |         |                            |         |          |          |  |
|  |                 |         |         |                            |         |          |          |  |





## Takeaways:

- If you're a Contractor...
- If you're a **Designer**...
- If you're a Worker...
- If you're in your POV traveling through a Work Zone...
  - NL-ATSSA / MnDOT Liaison committee
  - Reach out to us!



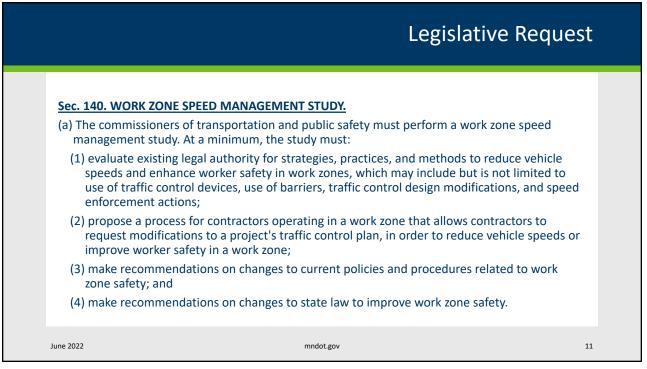
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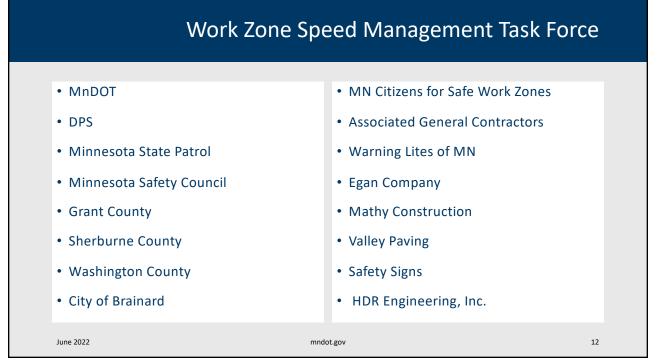
# Regulating and Enforcing Safe Speeds

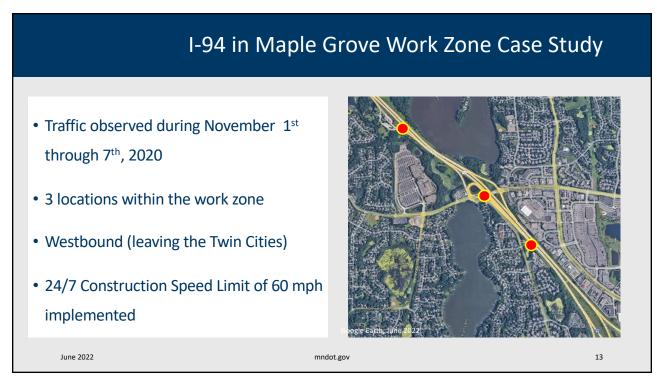
- Work zones create constrained environments in which it is difficult to enforce speeds
- Enforcement activities may create undesirable side effects
- <u>MUTCD</u>: Drivers will reduce speeds only if they clearly perceive a need to do so.
- ITE Traffic Engineering Handbook: Reliance on static work zone speed signing is *not* an effective method of reducing speeds in work zones

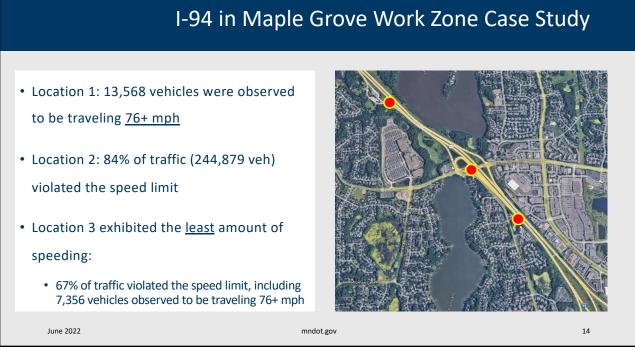


| Work Zone Speed Management Study |  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|--|
| Work Zone Speed Management Study | <ul> <li>Started in May 2021 - MnDOT and Contractors</li> <li>July – Made into law, broader participation (next slide)</li> <li>September - Feedback solicited from industry</li> <li>October – November <ul> <li>Task Force recommendations determined</li> </ul> </li> <li>December – January <ul> <li>MnDOT and DPS recommendations determined</li> </ul> </li> <li>February 2022 – submitted to Legislature</li> </ul> |  |  |  |  |  |
| Work Zane Speed Management Study | https://www.dot.state.mn.us/govrel/reports.html  |  |  |  |  |  |

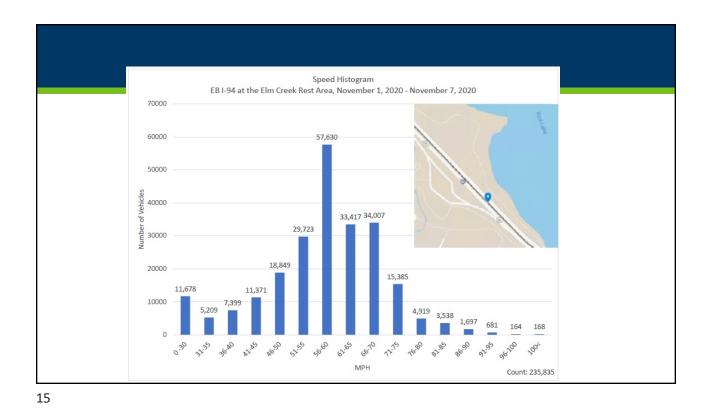


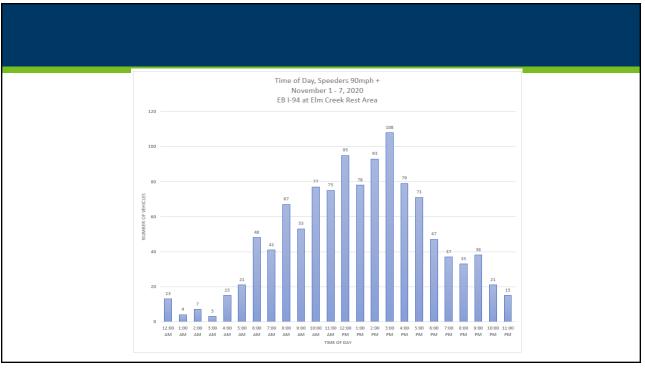


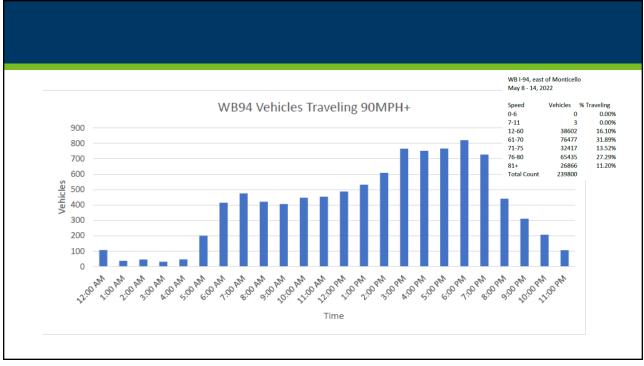


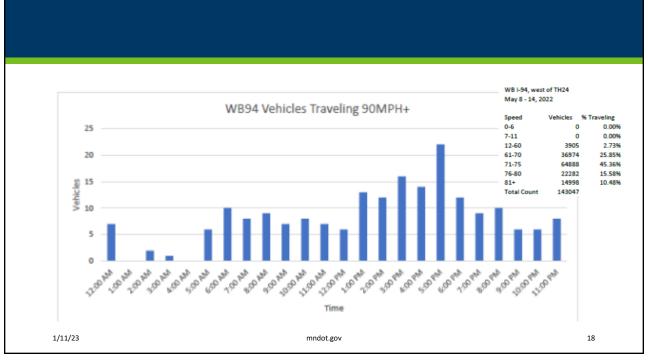


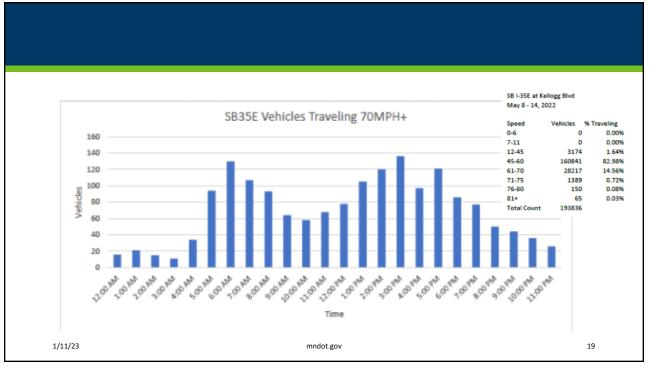


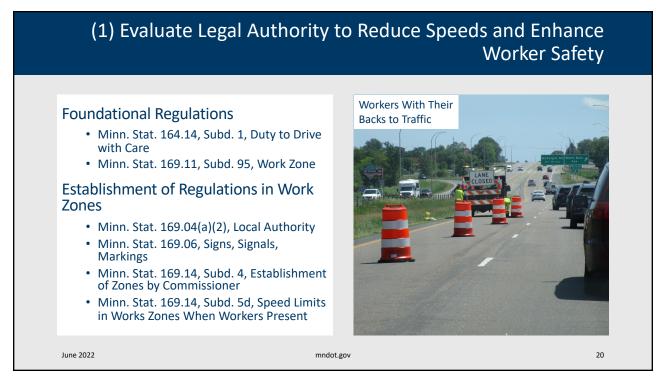






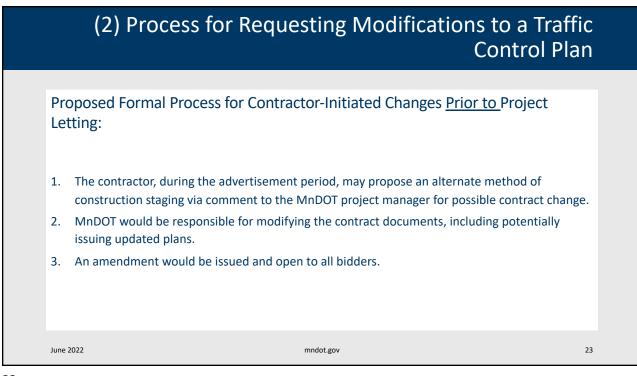


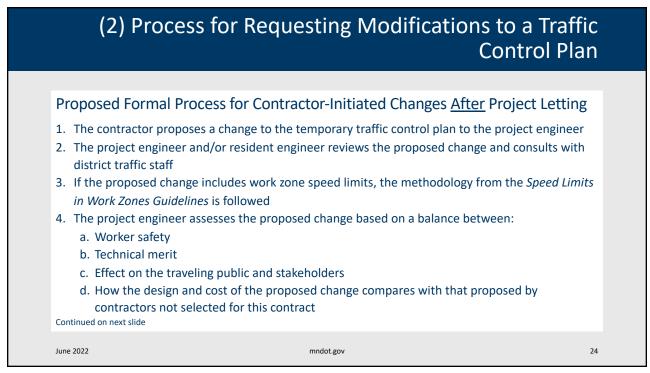


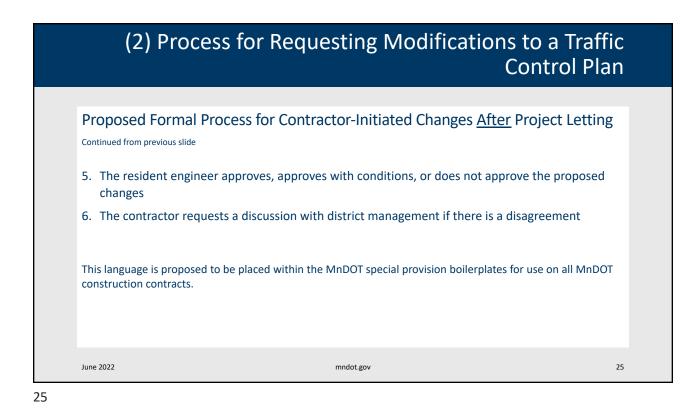


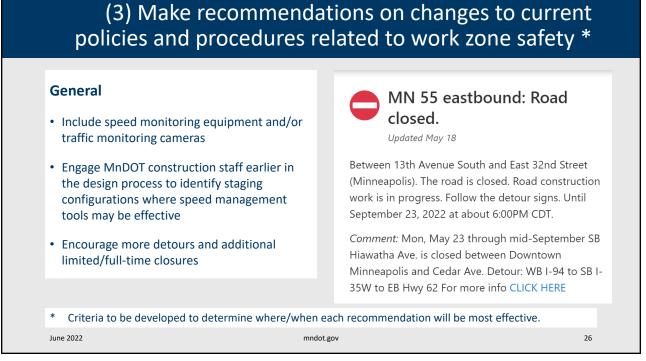


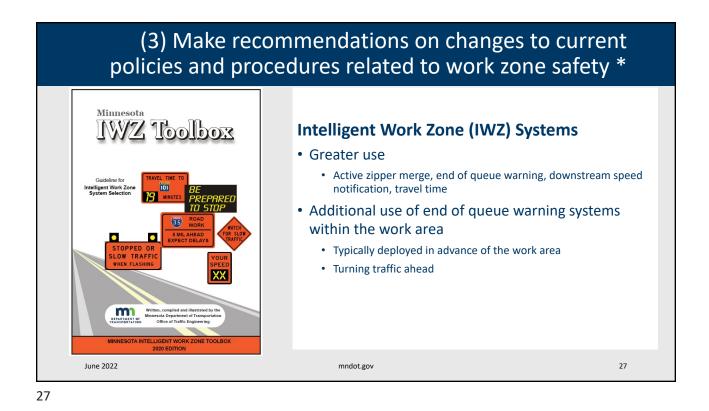












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# (3) Make recommendations on changes to current policies and procedures related to work zone safety \*

## **Workers Present Speed Limits**

- Greater utilization of Electronic Workers Present Speed Limits
- If using static Workers Present Speed Limit signs, assign responsibility of daily set up and take down in the construction contract

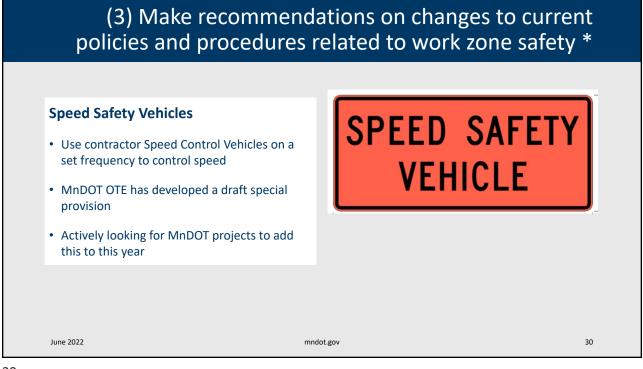
## Vehicle Speed Feedback Displays

• Greater use of Advisory Speeds with Vehicle Speed Feedback Displays

June 2022







| (4) Make recommendations on changes to state law to<br>improve work zone safety   |   |    |  |  |  |  |
|---|---|----|--|--|--|--|
| <ul> <li>MnDOT and DPS agree that the</li> <li>State Patrol recognizes that worl<br/>enforcement methods</li> <li>Research has indicated public su<br/>zones</li> </ul> | Destration Project<br>re currently used by 19 states and the District of Columbia<br>proposed demonstration project is a worthwhile endeavor<br>k zones present extraordinary challenges to traditional<br>upport for SSC to reduce speeds in work zones and school |    |  |  |  |  |
| June 2022   | mndot.gov   | 31 |  |  |  |  |

