

EDC-3: SMARTER WORK ZONES



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Smarter Work Zones

Smarter Work Zones are work zones that utilize innovative strategies to minimize work zone safety and mobility impacts. Vermont has instituted some of these strategies into a few of our larger projects with higher traffic volumes.

- I-91 Brattleboro (2013-2017)
- I-89 Waterbury (2015-2016)
- I-91 Hartland (2016)
- I-89 South Burlington (2016-2017)
- I-91 Rockingham (2017-2020)

Vermont's Next Steps

Project Coordination

- Add Detour and Municipal project information to VTransparency to identify overlapping work zone conditions early on for better project coordination
- Allow for Real Time District Project information.
- Provide additional training that will provide a consistent method and protocol throughout Agency Bureaus and Sections – Written Design procedures

Technology Applications

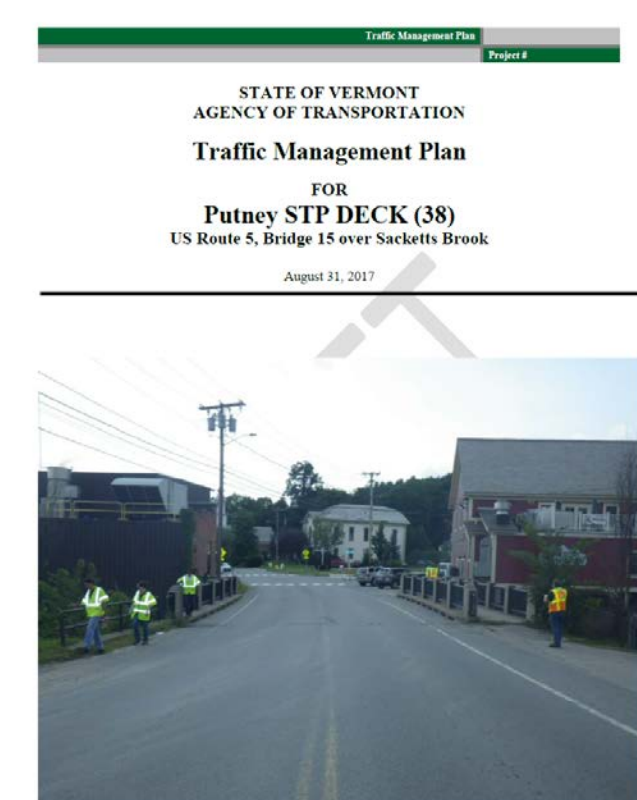
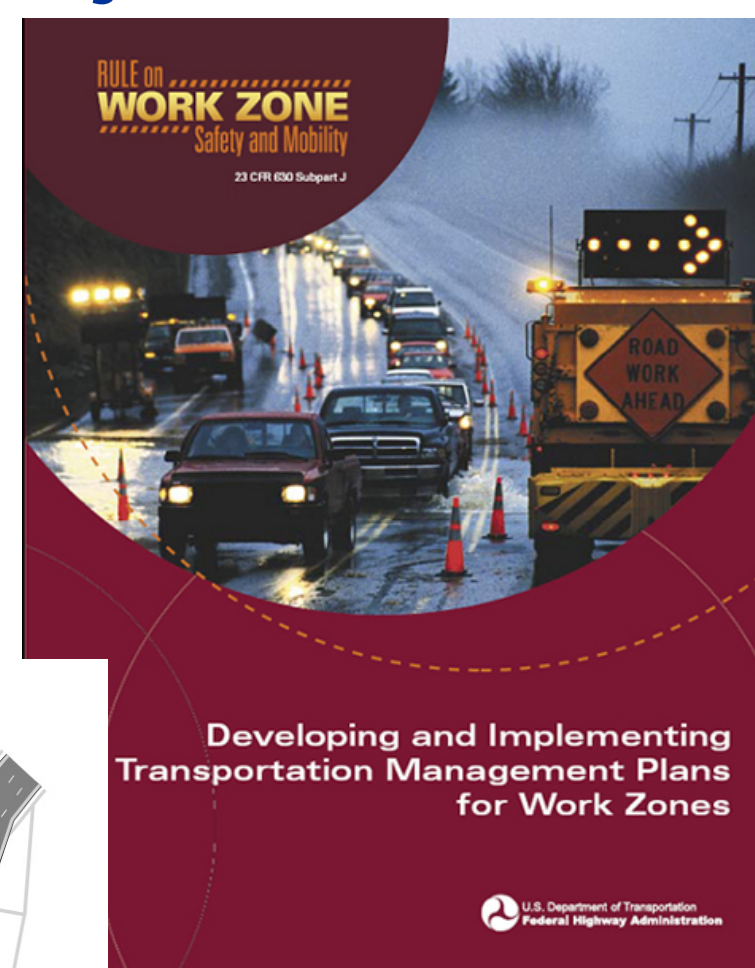
- Continued use of Bluetooth Technology to collect traffic speeds and delays buy purchasing equipment and support that will provide more flexibility with collecting information from projects Statewide
- Utilize Agency technologies –Wavetronix and BlueTOAD to collect traffic data
- Investigate the use of Probe Data software – RITIS, INRIX, etc.



Vermont Strategies for Smarter Work Zones

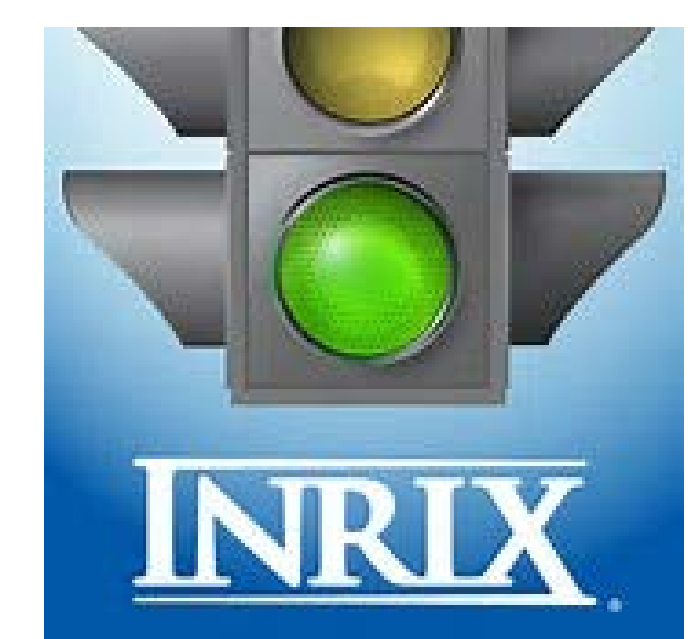
Project Coordination –

- Links
 - VTransparency
 - VT Traffic Management Center
- Single Traffic Control Plan Reviewer
- Traffic Management Plans
 - Include TMP information into the project's Special Provisions
 - Introduced at Scoping Stage of project
 - Community Involvement
 - Town meeting
 - Surveys



Technical Applications -

- Smart Work Zone Technologies
 - Evaluating Volumes, Speeds and Queuing
 - Wavetronix
 - Bluetooth
 - I-95 Corridor Collision
 - Incorporating Speed Carts into Work Zones



Non-technology evaluations Quantifying the Agency's "10 Minute Work Zone Delay Rule"

