

Highway Report

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July 30, 2025



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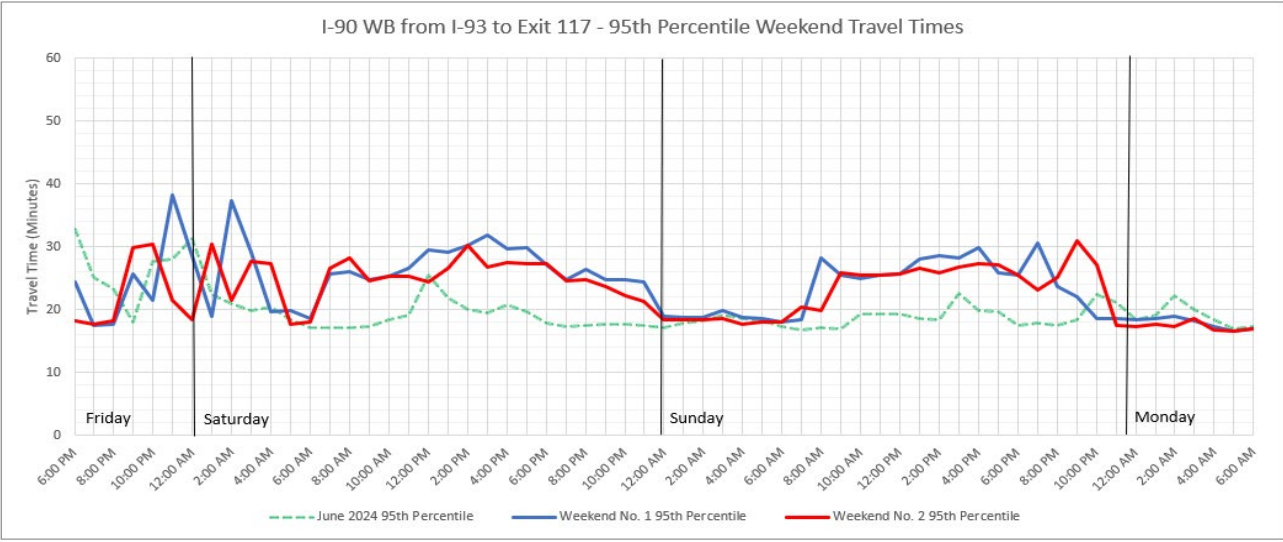
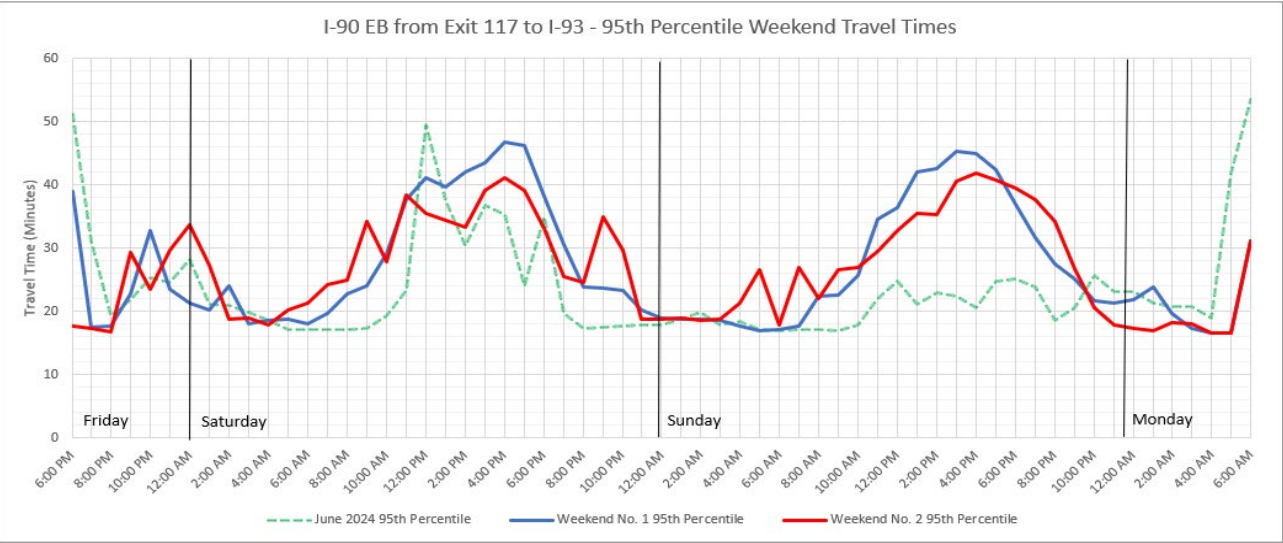
Newton-Weston Weekend #2

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- Second weekend of lane reductions finished six hours ahead of schedule at 11pm on Sunday, June 22nd
- Across both weekend closures:
 - Removed 332 cubic yards of concrete
 - Installed 205 cubic yards of rapid set concrete
 - Installed 31 precast bridge units
 - 85 workers on site around the clock
- Second weekend experienced ~30 percent reduction in traffic volumes

Newton-Weston Weekend #2



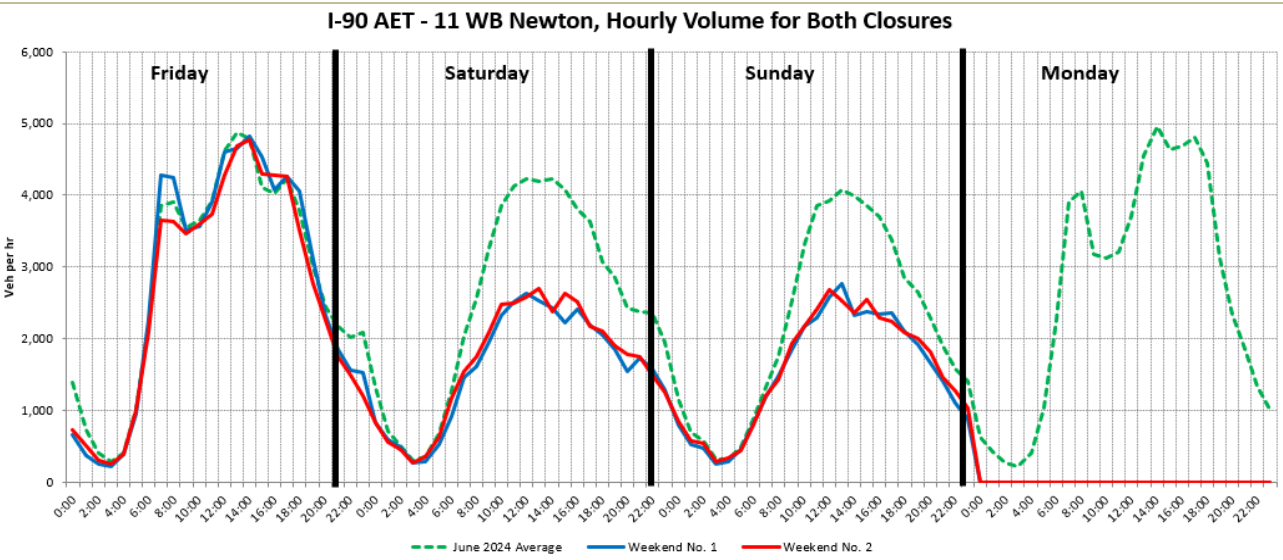
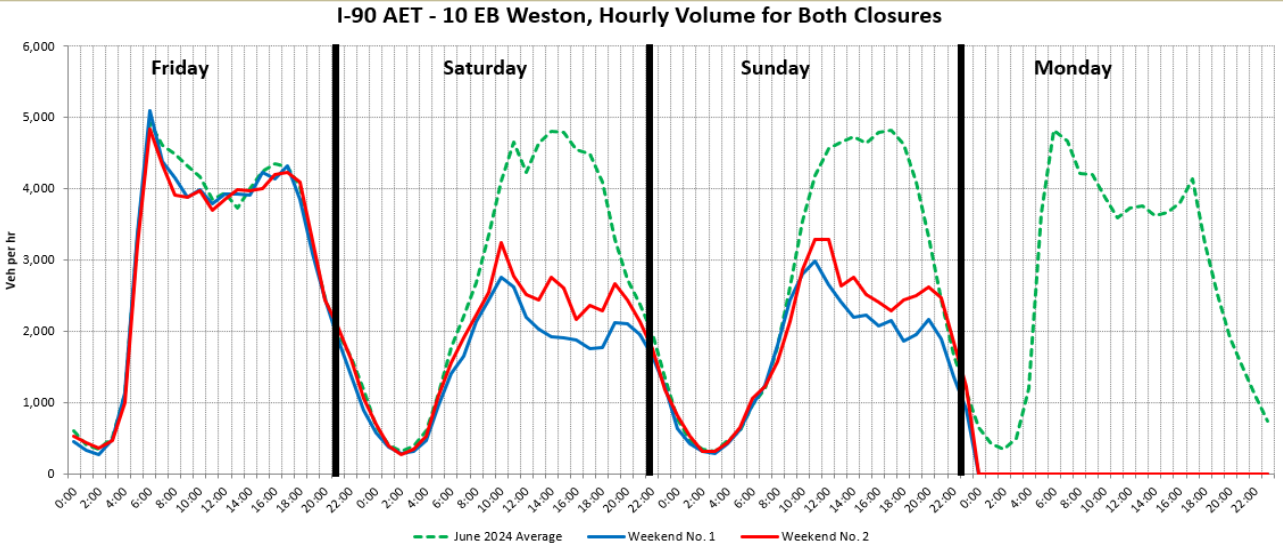
Peak Travel Time, Weekend 1

	Sat	Sun
I-90 EB	47 min	45 min
I-90 WB	32 min	30 min

Peak Travel Time, Weekend 2

	Sat	Sun
I-90 EB	41 min	42 min
I-90 WB	30 min	27 min

Newton-Weston Weekend #2



Daily Volume Reduction, Weekend 1

	Sat	Sun
I-90 EB	-41%	-38%
I-90 WB	-36%	-31%

Daily Volume Reduction, Weekend 2

	Sat	Sun
I-90 EB	-32%	-30%
I-90 WB	-34%	-29%

HEKA – Highway Engineer Knowledge Assistant

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- Developed in 2024
- One of the first AI tools developed for under the Governor's AI for Impact program
- Developed in collaboration between Northeastern University and MassDOT
- The AI is trained on a myriad of MassDOT SOP's, Engineering Directives, and permit documents to help staff through daily issues at MassDOT
- Has produced a 78% time savings over manual research

July 10 Flash Flooding

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- July 10 was 1-in-200-year event
- 5.5–6.5 inches of rain in under 12 hours after several days of heightened precipitation
- The intense runoff overwhelmed receiving waterways and drainage infrastructure
- Road closures on I-93 in Milton, Quincy, Braintree
- MassDOT maintenance forces were predeployed to alleviate flooding as quickly as possible



Service Plazas Update

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- Working through construction schedule
- Comprehensive presentation slated for September's Board
- Workstreams are progressing



Thank You



Appendix

