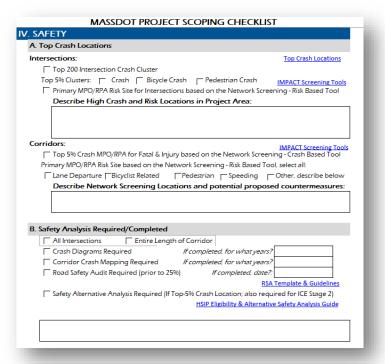


Road Safety Audits in Massachusetts

February 13, 2024







Safety Benefits: 10-60% reduction in total crashes¹.



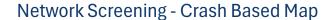
Why RSAs?

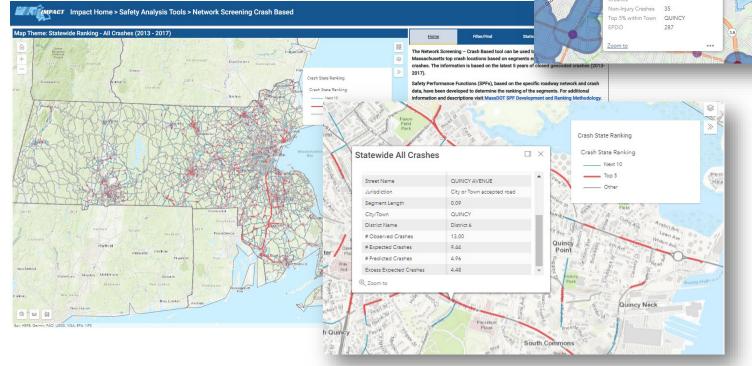
- FHWA proven safety countermeasure -10% to 60% reduction in total crashes.
- Helps prioritize projects and clarify issues for politicians and decision makers.
- Strengthens connections between participants (different areas maintenance, enforcement, design also different agencies local, state, advocacy, etc.)
- Helps incorporation of safety enhancements into project (ideally before conceptual and preliminary design).



When is RSA required in MA?

 When project area includes high crash locations (Top 5% Vehicle, Bicycle, or Pedestrian Intersections or Segments) of the most recent available years.





<u>i</u> 16 %

2018-2020 HSIP Cluster

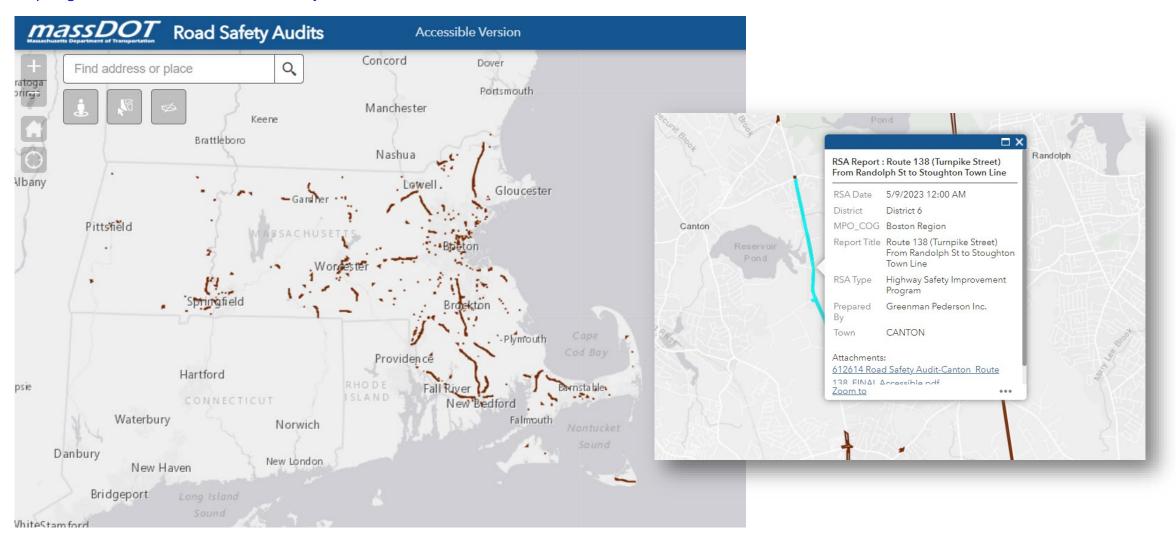
Statewide High Crash (HSIP-Eligible) Cluster Map

 When projects are looking to securing federal funding through the Highway Safety Improvement Program (HSIP) or are anticipated to utilize HSIP funding.



MassDOT Road Safety Audits Interactive Map

https://gis.massdot.state.ma.us/RoadSafetyAudits/







2023 MA SHSP Initiative #5 – Double Down on What Works

"The Commonwealth will maintain existing initiatives that have proven effective, while also expanding them in new ways using the Safe System Approach."

- MA SHSP

5.10 Increase Road Safety Audits



Shortly

- Update MassDOT Road Safety Audit Guidance document (https://www.mass.gov/info-details/road-safety-audits).
 - Data needs (speed)
 - Timeline
 - High crash location definition (segments)
 - FHWA requests
- Training (if helpful)

Future

- Incorporate CMFs in the RSA Process
- Evaluate Countermeasures through a Safe System Approach Lens





Massachusetts Department of Tran Highway Division



We Need Your Help!



Data Preparation



Facilitating



Quality Control! (throughout process)



Thank you!



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