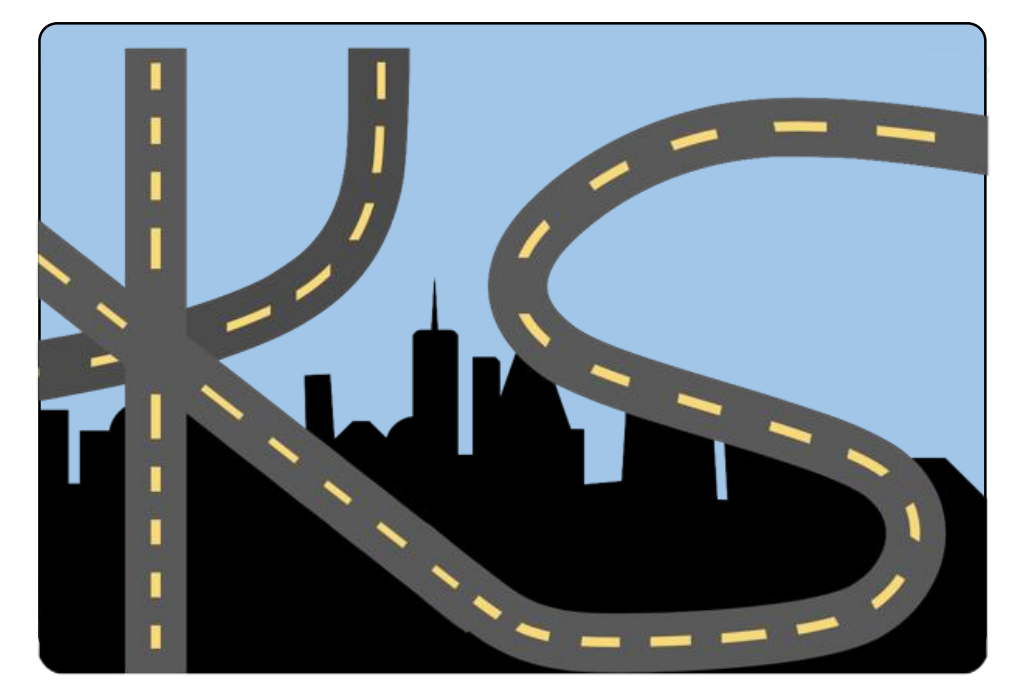


Kelley Square Redesign

Ryan Astor (CS), Alex Mondro (ECE), Maggie Reiter (IE), Daniel Tengdin (ME), Tony Tesoriero (RBE)
 Advisors: Professor Bakermans, Professor Pfeifer, Matt St. Louis



Background

Canal District, Worcester

Most Dangerous Intersection in MA

MassDOT Redesign

Problem

High Number of Crashes

Unprotected Crosswalks

Lighting

WooSox 2021 = More Pedestrians

Goals

Promote Pedestrian Safety

Make more Inviting to Pedestrians

Acknowledgements & Resources

Thank you to Professor Bakermans, Professor Pfeifer, and PL Matt St. Louis. Special thanks to Allen Fletcher for his help.

Resources:
 McMahon Associates, Inc. (2018, October). Road Safety Audit - Kelley Square (Rep.). Retrieved November 1, 2018, from MassDOT website: <https://gis.massdot.state.ma.us/arcgis/rest/services/Roads/RoadSafetyAudits/MapServer/0/4557/attachments/4914>

Mitchell, R., & Popham, F. (2007). EVIDENCE BASED PUBLIC HEALTH POLICY AND PRACTICE: Greenspace, urbanity and health: Relationships in England. *Journal of Epidemiology and Community Health* (1979-), 61(8), 681-683. Retrieved from <http://www.jstor.org/stable/40666134>

Boodial, L. (2000). Accessible Sidewalks and Street Crossings — an informational guide. Retrieved November 28, 2018, from http://www.bikewalk.org/pdfs/sopada_thwa.pdf

Kelley Square improvement project Worcester: Public workshop #2. (2018, October). Retrieved from MassDOT website: https://www.mass.gov/files/documents/2018/10/29/dot-Kelley-Square-2018Oct24_presentation.pdf

Pedestrian and Bicycle Information Center (n.d.). Crosswalks. Retrieved from http://www.pedbikeinfo.org/planning/facilities_crossings_crosswalks.cfm

<http://blog.mass.gov/transportation/wp-content/uploads/sites/2/2014/12/GreenDOT-Logo.jpg>

Implementation

DOT Present to MassDOT

Provide Economic Feasibility

Assess Safety and Economic Impact

Solution

Bollards

Reflective Crosswalk Paint

Raised Crosswalks

Greenspace in Center of Rotary

