

Dodd Boulevard at Lake Marion Greenway Trail



Improvement Need.

Low yield compliance for people crossing Dodd Boulevard at the existing marked crosswalk.

Area Where Applicable.

- Trail crossings or locations with a high number of pedestrians and bicyclists crossing.
- RRFBs are context specific and their effectiveness varies depending upon the type of roadway, number of lanes, traffic volumes, and speeds.

Resources.

Minnesota Best Practices for Pedestrian and Bicycle Safety (2021), MnDOT
Uncontrolled Pedestrian Crosswalk Quick Reference Guide (2020), Minnesota Local Road Research Board

Proposed Temporary Improvements.

- Rectangular Rapid Flashing Beacons (RRFBs)
- Advanced pedestrian crossing signage
- Refresh crosswalk markings

Other Considerations.

- RRFBs have been shown to reduce pedestrian crashes by up to 47 percent per the FHWA.
- A Federal Highway Administration (FHWA) study showed that yield compliance increased from 0-26 percent to 72-96 percent with the addition of RRFBs following two years of use.