

US 53 & US 14/61 CORRIDOR STUDY

WISDOT ID: 1630-09-01





EXHIBIT



DETAILED ALTERNATIVES

Spot Improvement Concepts: Bicycle and Pedestrian Improvements



Bicycle and Pedestrian Safety

Bicycle and pedestrian safety is a concern throughout the US 53 and US 14/61 corridor. Several bicycle and pedestrian safety treatments are included in one or both of the improvement alternatives. A summary of these treatments is below.



Leading Pedestrian Interval (LPI)

A leading pedestrian interval is a traffic signal phase that allows a pedestrian to enter the crosswalk before vehicular traffic receives a green indication. This improves pedestrian visibility and motorist yielding behavior.



Prohibit Right Turn on Red

Prohibiting right turn on red improves pedestrian safety at signalized intersections by reducing the frequency of vehicle-pedestrian conflicts. These prohibitions can be implemented at all times, during certain times of day, or only when a pedestrian is present.



Green Crosswalks

Green crosswalks define locations where bicycle facilities cross a street. The crosswalks raise awareness of bicyclists and improve motorist yielding behavior.



Curb Bump Out

Curb bump-outs (or extensions) physically and visually narrow the road, calming traffic and shortening pedestrian crossings. This improves crosswalk safety and operations by reducing the time a pedestrian is in the crosswalk and improving sightlines for vehicular traffic.



Pedestrian Refuge Island

Raised Islands that provide a location for pedestrians to dwell in the median while waiting for traffic to clear. These islands allow pedestrians to cross busy roads one direction at a time.



Bicycle Signals

Bicycle Signals are signal indications that apply specifically to bicyclists. These signals indicate to bicyclists when it is safe to cross at busy intersections.



Speed Feedback Signs

Speed feedback signs provide motorists real-time feedback on the speeds they are traveling. These signs are effective at reducing speeds at spot locations, such as high-use pedestrian crosswalks.



Rectangular Rapid Flashing Beacon (RRFB)

A RRFB includes bright flashing lights placed at crosswalks that are activated when a pedestrian pushes a button to cross the street. These devices draw attention to pedestrians and improve vehicle yielding behavior. RRFBs are currently present at several locations along the corridor.

















