



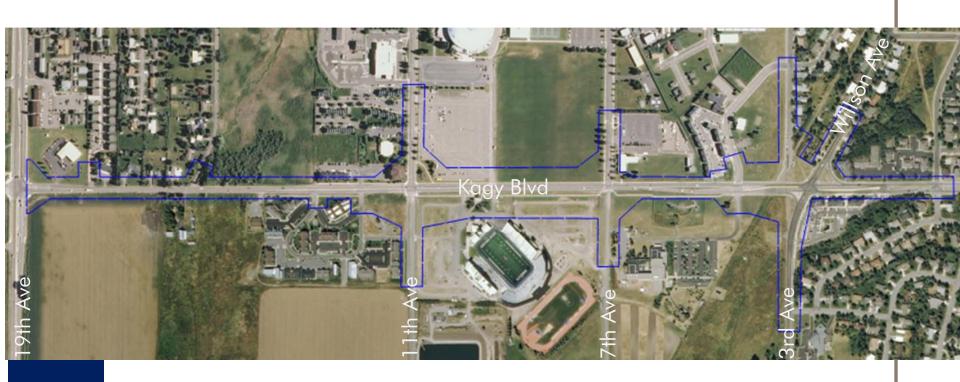


Project Overview

The purpose of the proposed project is to provide a safe and efficient facility for all users by reconstructing approximately 1.1 miles of Kagy Blvd from South 19th Ave to Willson Ave/South 3rd Ave. The project is needed to address current deficiencies and accommodate future demands for all modes of travel within the project's 20year design horizon.



Project Overview





Project Stakeholders

City of Bozeman

Montana
Department of
Transportation

Montana State University

Design Team Museum of the Rockies

Gallatin Valley Land Trust

Bozeman Health



Progress to Date

- Define Goals & Objectives
 - Safety
 - Capacity
 - Address multimodal needs
 - Design project to fit context
- Complete Field Work
 - Geotechnical
 - Environmental
 - Topographic Survey



Progress to Date

- Traffic Volume Projections
 - Land Use Projections
 - Modeling
- Analyze & Develop Alternatives
 - □ Single-Lane vs. Multi-Lane
 - Traffic Signals vs. Roundabouts
 - Various Bike/Pedestrian Accommodations





PROJECT CORRIDOR



SEGMENT 1 - 19TH TO 11TH



SEGMENT 2 - 11TH TO 7TH



SEGMENT 3 - 7TH THROUGH WILLSON/S. 3RD











TYPICAL SECTION ALTERNATIVES



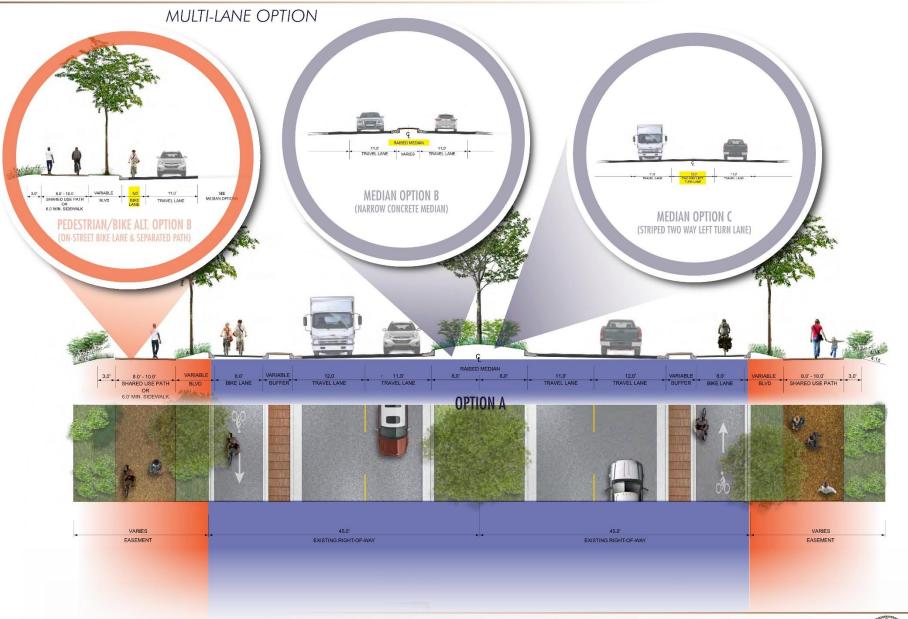








TYPICAL SECTION ALTERNATIVES





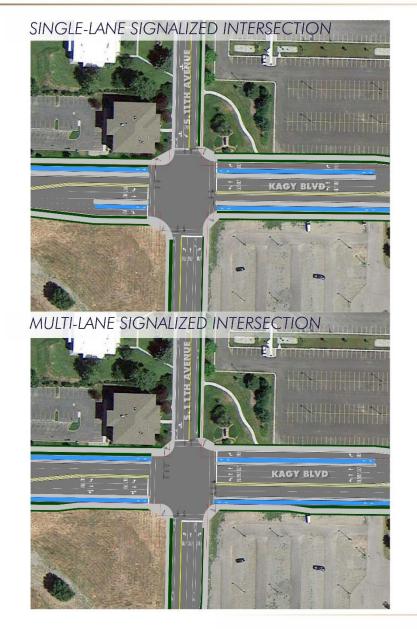


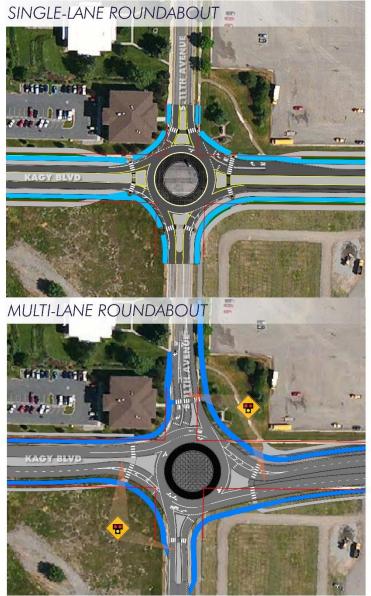




S. 11TH AVENUE









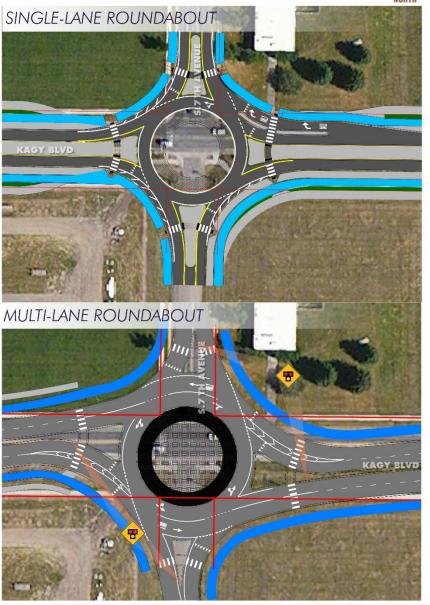
















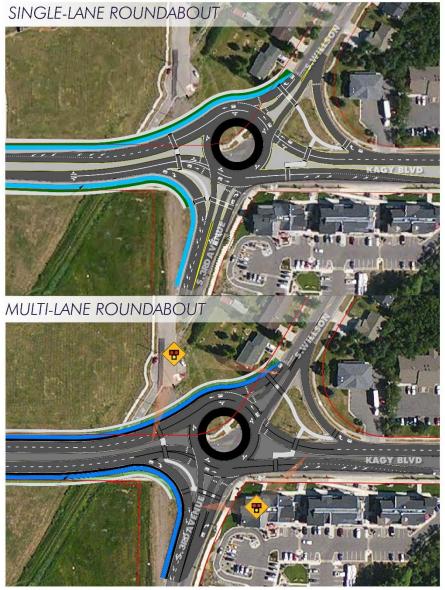




S. WILLSON/S. 3RD AVENUE













Transportation Demand Management



Car, Bus, Bicycle and Pedestrian Space Requirements. Photo courtesy Thomas Jefferson Planning District Commission, Charlottesville, VA.



Transportation Demand Management

- What are some examples for Bozeman?
 - Financial incentives not to drive
 - Priority parking for carpool vehicles
 - Vanpools or rideshare matching options
 - Guaranteed ride home programs
 - Alternative scheduling
 - Telework/Telecommute





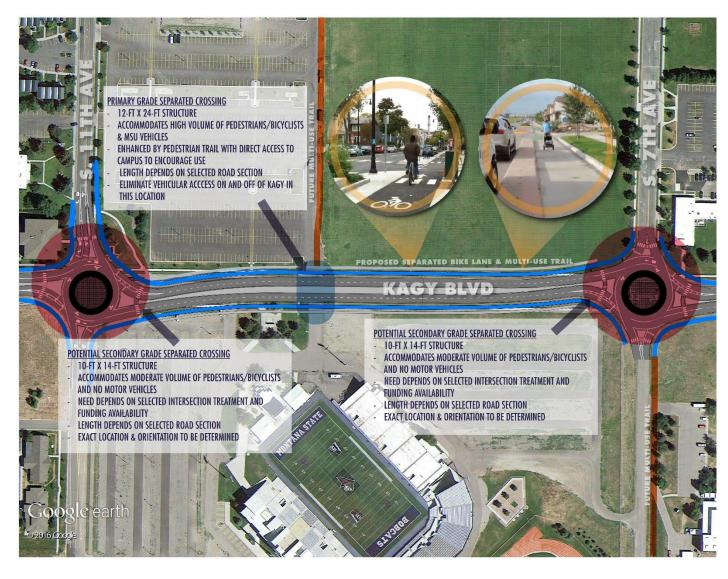
PEDESTRIAN & BICYCLE ACCOMMODATIONS



















Pedestrian Bridge

PEDESTRIAN & BICYCLE ACCOMMODATIONS



PRIMARY GRADE SEPARATED CROSSING CONCEPTS



Aesthetic Treatment Examples





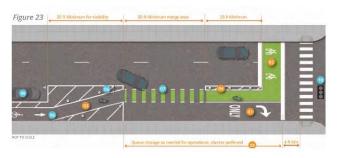








PEDESTRIAN & BICYCLE INTERSECTION DETAILS



Separated Bike Lane with Lateral Shift

A lateral shift moves cyclists to the left of the motor vehicle right turn lane before vehicles can move right. This places the responsibility for yielding clearly on drivers turning right, and brings bicyclists into a highly visible position. In the lateral shift configuration, like the mixing zone (see page 107), potential conflicts between right-turning vehicles and through bicyclists occur before the intersection. A lateral shift treatment is effective for intersections where a separate bicycle signal and signal phasing is not feasible, because bicyclists can proceed in the same signal phase as through and right-turning vehicles.

Separated Bike Lane with Mixing Zone

A mixing zone is an area where bicyclists and right-turning automobiles merge into one travel lane approaching an intersection. Mixing zones provide a design option in which the potential conflict between right-turning vehicles and through bicyclists occurs before the intersection, similar to the lateral shift. Mixing zones may provide the best option in locations without on-street parking and/or with a constrained right-of-way where the roadway width will not accommodate both a bicycle lane and a right-turn lane at the intersection.

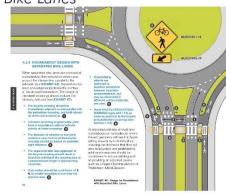


Signalization Figure 22 Toper high depends on walfer speed April 1956/LE Come to large length depends on walfer speed

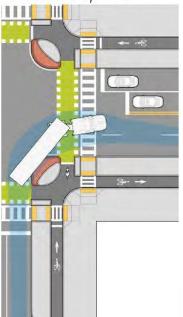
HAWK Signal at Roundabout



Roundabout Design with Separated Bike Lanes



Recessed Stop Line











AESTHETICS

CAMPUS RURAL





































Additional Opportunities for Input

- www.mdt.mt.gov/pubinvolve/kagyblvd/
 - View Information
 - Provide Comments
- Upcoming Presentations
 - Bozeman Area Bicycle Advisory Board
 - Pedestrian & Traffic Safety Committee
 - Transportation Coordinating Committee
 - Bozeman City Commission

