

Appendix K. Priority Project Sheets

During the year long planning process several areas of Rapid City came up repeatedly as areas that local bicyclists and walkers would like better access to or feel are difficult to cross. Alta Planning and Design has provided suggestions for each of these areas in the form of the following project priority sheets. The intent of these graphics is to provide ideas to City staff and consulting engineers when these high priority areas of Rapid City are considered for reconstruction or other improvements. The high priority areas include:

- West Main Street and Jackson Boulevard intersection and the “Gap”, which is defined as West Main Street from Jackson Boulevard to West Boulevard. Bicyclists wishing to get to downtown from Jackson Boulevard or going in the reverse find this busy multi-lane street very difficult to traverse.
- Omaha Street intersections from 5th St to 12th Street, as many people noted that Omaha Street is a very difficult street to cross and asked for suggestions to improve pedestrian and bicycle crossing of this busy street.
- Soo San Drive area by the schools- detail a network that connects the schools and the neighborhoods
- Catron Boulevard and 5th Street- review the proposed Wal-Mart/retail center development and provide suggestions for biking and walking access to and from the surrounding neighborhoods
- Cambell Street between Minnesota Street and Fairmont Boulevard, using the frontage road as a signed shared road and shared use path to connect Minnesota Street and Fairmont Boulevard, which are part of the bicycle network.



W Main St & St Joseph St Improvements:

- Add marked high visibility crosswalks.
- Consider Rectangular Rapid Flashing Beacons.
- Consider crossing safety flags.
- Use advance warning signs and yield markings.

W Main Street Improvements:

- Remove one travel lane in each direction.
- Provide Two Way Left Turn Lane where needed
- Provide wide bike lane, or buffered bike lane depending on available shoulder width.
- Current ADT is at upper end of capacity for 4-lane urban road.

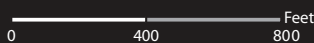
Main St / Jackson Blvd Intersection:

- Install pedestrian countdown timers.
- Install pedestrian crossing on eastern leg.
- Install pedestrian refuge island on eastern leg.
- Install pedestrian crossing on southern leg.
- Improve refuge island on southern leg.
- Add Leading Pedestrian Interval (LPI) to Pedestrian Phase.
- Coordinate pedestrian phases with vehicle phases to minimize conflicts.



Legend

- Bike Lane, Planned/Proposed
- Shared Lane, Planned/Proposed
- Signed Shared Roadway, Proposed
- Shared-Use Path, Existing/Proposed
- Side Path, Existing/Planned/Proposed



West Main Street Improvements
Rapid City, SD





5th St & Omaha St Improvements:

- Install pedestrian signals on free right lane.
- Alter signal phasing to separate left turn movements from through movements to eliminate turning conflicts in crosswalks and add Leading Pedestrian Interval (LPI).

Recently Relocated Pedestrian Crossing

- Ensure crossing is connected to Shared-Use Path System.
- Crossing between 6th and 7th has been removed.






Mt Rushmore Rd & Omaha St Improvements:

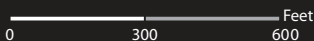
- Alter signal phasing to add Leading Pedestrian Interval (LPI).

West Blvd & Omaha St Improvements:

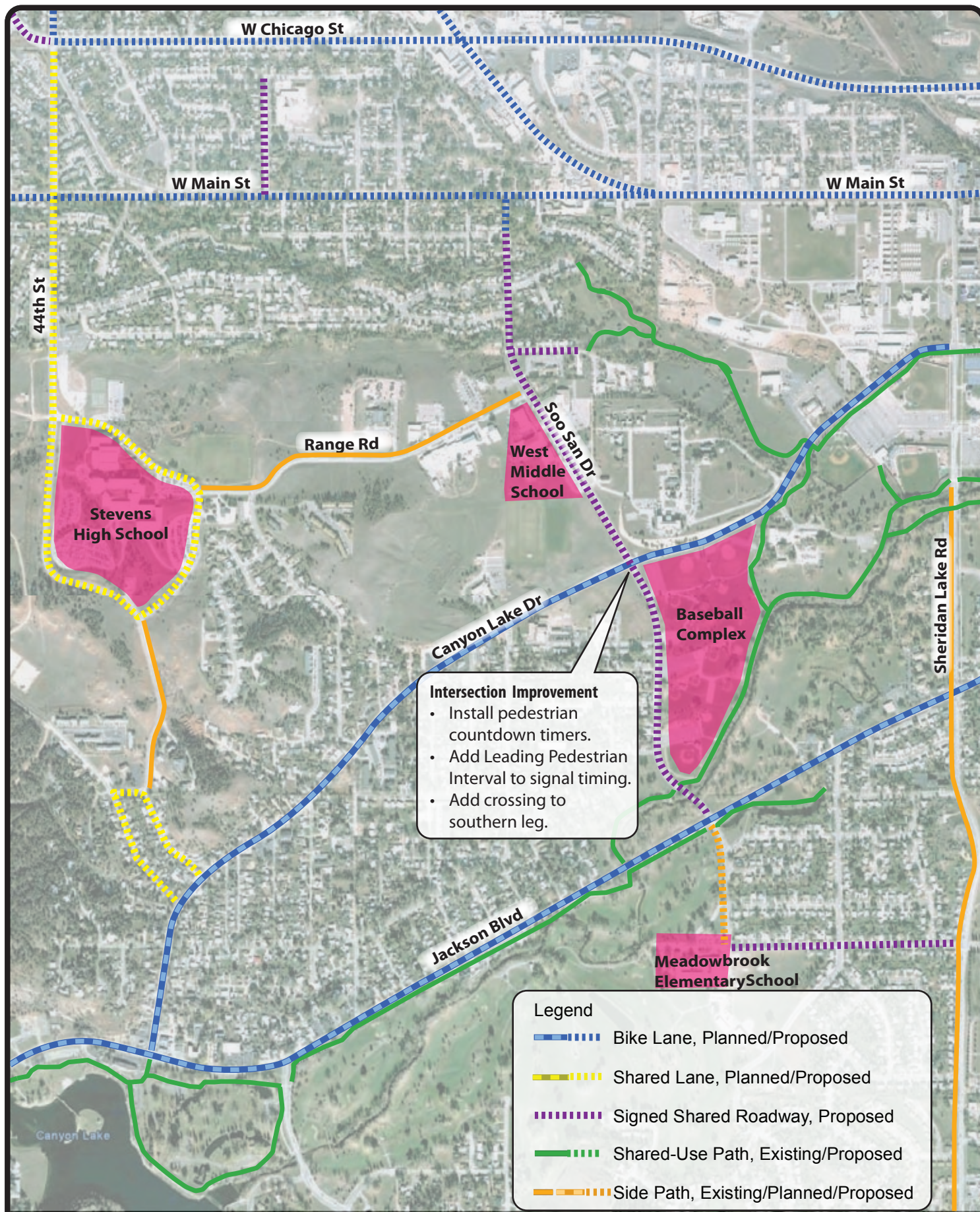
- Install pedestrian countdown timers.
- Install pedestrian signals on free right lanes.
- Alter signal phasing to separate left turn movements from through movements to eliminate turning conflicts in crosswalks and add Leading Pedestrian Interval (LPI).

Legend

-  Bike Lane, Planned/Proposed
-  Shared Lane, Planned/Proposed
-  Signed Shared Roadway, Proposed
-  Shared-Use Path, Existing/Proposed
-  Side Path, Existing/Planned/Proposed



Omaha Street Improvements
Rapid City, SD



Intersection Improvement

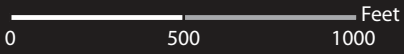
- Install pedestrian countdown timers.
- Add Leading Pedestrian Interval to signal timing.
- Add crossing to southern leg.

- Legend**
- Bike Lane, Planned/Proposed
 - Shared Lane, Planned/Proposed
 - Signed Shared Roadway, Proposed
 - Shared-Use Path, Existing/Proposed
 - Side Path, Existing/Planned/Proposed



Soo San Area Improvements
Rapid City, SD





5th Street (Walmart) Improvements Rapid City, SD





E Fairmont Blvd & Cambell St Treatments:

- Install crosswalk on eastern leg.
- Install pedestrian Signals on free right lanes.
- Alter signal phasing to separate left turn movements from through movements to eliminate turning conflicts in crosswalks (when pedestrian phase is active).

Frontage Road Treatments:

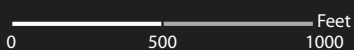
- Install Bike Route Signs.
- Install 'Share the Road' Signs.

Minnesota St & Cambell St Treatments:

- Install Crosswalk on eastern leg.
- Install Pedestrian Signals on free right lanes.
- Alter signal phasing to separate left turn movements from through movements to eliminate turning conflicts in crosswalks (when pedestrian phase is active).

Legend

- Shoulder Bikeway, Existing/Proposed
- Bike Lane, Planned/Proposed
- Shared Lane, Planned/Proposed
- Signed Shared Roadway, Proposed
- Shared-Use Path, Existing/Proposed
- Side Path, Existing/Planned/Proposed





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