

REQUEST FOR COUNCIL ACTION

SUBJECT: Proposed Senior Housing 3200 West Midblock Crosswalk

SUMMARY: Residents living at the Senior Housing complex located at 7832 South 3200 West have requested that the City install a midblock crosswalk on 3200 West so they can access the east side of the street. City staff conducted a traffic study, met with the residents and will present the results to City Council to consider funding.

FISCAL IMPACT: The proposed crosswalk improvements may cost between \$10,000 and \$13,635 depending on the options selected. Funding is available in the Roads Capital and Engineering accounts.

STAFF RECOMMENDATION:

Staff recommends Council review the crosswalk options presented by City staff and provide funding for any improvements selected by them.

MOTION RECOMMENDED:

Option 1

I move to adopt Resolution No. 15-171 to direct City staff to implement the proposed crosswalk improvements recommended in the staff report including: concrete ramps, street light, signs, striping and Rapid Rectangular Flashing Beacons, once funding is obtained.

Option 2

I move to adopt Resolution No. 15-171 to direct City staff to implement the proposed crosswalk improvements recommended in the staff report including: concrete ramps, street light, signs, striping and BlinkerSign Crosswalk Flashers, once funding is obtained.

Prepared by:



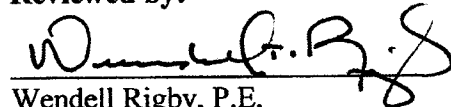
Bill Baranowski, P.E.
Traffic Engineer

Reviewed by:



Nathan Nelson, P.E.
City Engineer

Reviewed by:



Wendell Rigby, P.E.
Director of Public Works

Recommended by:



Bryce Haderlie
Interim City Manager

Background Information:

The purpose of this request is to obtain funding for a proposed midblock crosswalk on 3200 West for the Senior Housing complex located directly west of the post office. City Staff met in June 2015 with the residents living at the Senior Housing complex located at 7832 South/3200 West directly west of the US Post Office. We walked with the residents across 3200 West and north to the signalized crosswalk at 7800 South and back to the Senior Housing complex.

They outlined the following concerns for pedestrians crossing 3200 West:

- *The existing signalized crosswalk at 7800 South is too far out of the way for them to access the Macey's Food Store and the Post Office.*
- *There are too many vehicles turning left at the existing traffic signal for them to safely cross. They would prefer to cross at a midblock crosswalk with fewer turning vehicles.*
- *A marked crosswalk near the front of their housing complex is their preferred option.*

Data Collection:

After the first meeting with the residents 24-hour traffic data was collected at two potential 3200 West crosswalk locations near the Senior Housing on June 8-10, 2015 and June 15-17, 2015. The study found there are 11,964 vehicles per day between the Post Office driveways and 10,648 vehicles per day south of the Post Office entrance. An estimated 1,316 vehicles per day are entering and exiting the post office from 3200 West.

Midblock Crosswalk Guidelines:

A marked midblock crosswalk location should consider the following:

- Should be located away from busy driveways or intersections;
- Should have at least one overhead illumination light;
- Should have pedestrian ramps that meet ADA requirements;
- Should be located at a location where pedestrian crossings are expected by drivers; and
- Should have a minimum number of conflicts with turning traffic.

Preferred Crosswalk Location – See Figure 1 below:

A second meeting was held in July 2015 with a smaller core group of residents and they selected the preferred crosswalk location south of the Post Office entrance shown in *Figure 1*. The proposed location is preferred because it has 1,316 fewer turning vehicles per day than a location to the north and it is just north of their south driveway.

The residents presented the preferred crossing location to a number of residents of the complex to gauge their support for and willingness to use the proposed crosswalk across 3200 West. The residents expressed a strong desire to have the City install the proposed crosswalk. They cannot guarantee that every single resident will use the new crosswalk, but most residents are excited at the prospect of having one installed by the City.

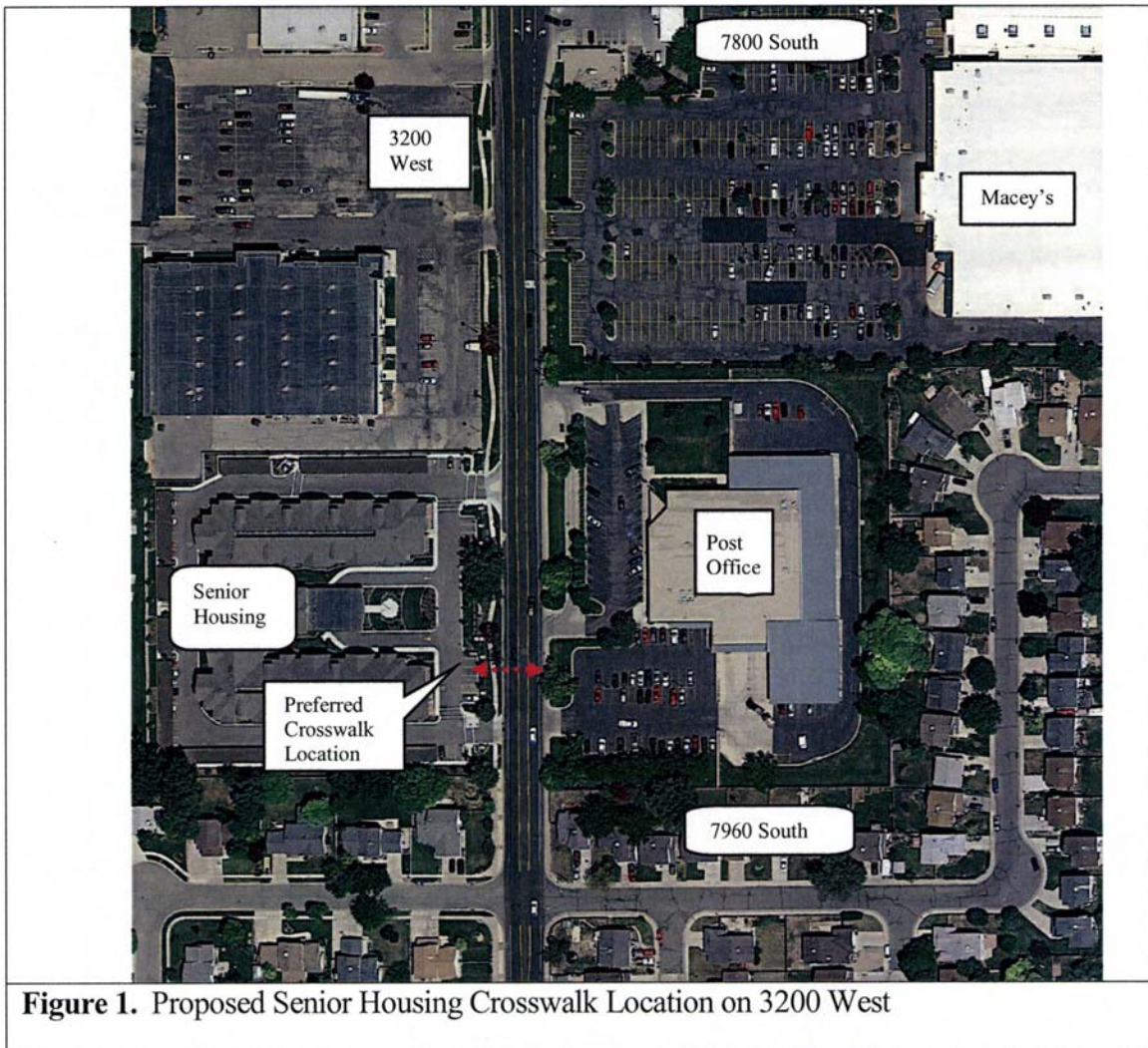


Figure 1. Proposed Senior Housing Crosswalk Location on 3200 West

Two types of crosswalk flashers may be considered at this proposed crosswalk location including RRFB and BlinkerSign flashers.

OPTION 1

Rapid Rectangular Flashing Beacon (RRFB) Option

Rectangular Rapid Flashing Beacons (RRFBs) are traffic safety warning devices that use LED lights to emit rapid flashing (wig-wag) lights to drivers to alert them of the presence of pedestrians in the crosswalk. *See Figure 2.* West Jordan City has been successful in using RRFBs to increase motorist yielding to pedestrians at unsignalized midblock crossings. Typically a minimum crossing volume of 20 pedestrians per hour is typically required.

How RRFB Crosswalks are Used

The lights are activated by a pushbutton used by the pedestrian as they wait to cross the street. Pedestrians are expected to wait until drivers yield before entering the crosswalk. The LED lights are timed to allow time for the vehicles to yield while continuing to flash as the pedestrians cross the street. Drivers are expected to follow State law and yield to pedestrians in the crosswalk. The RRFBs will be active all day allowing for activations anytime for users. The units are solar powered so they will not be subject to interruption during power outages.

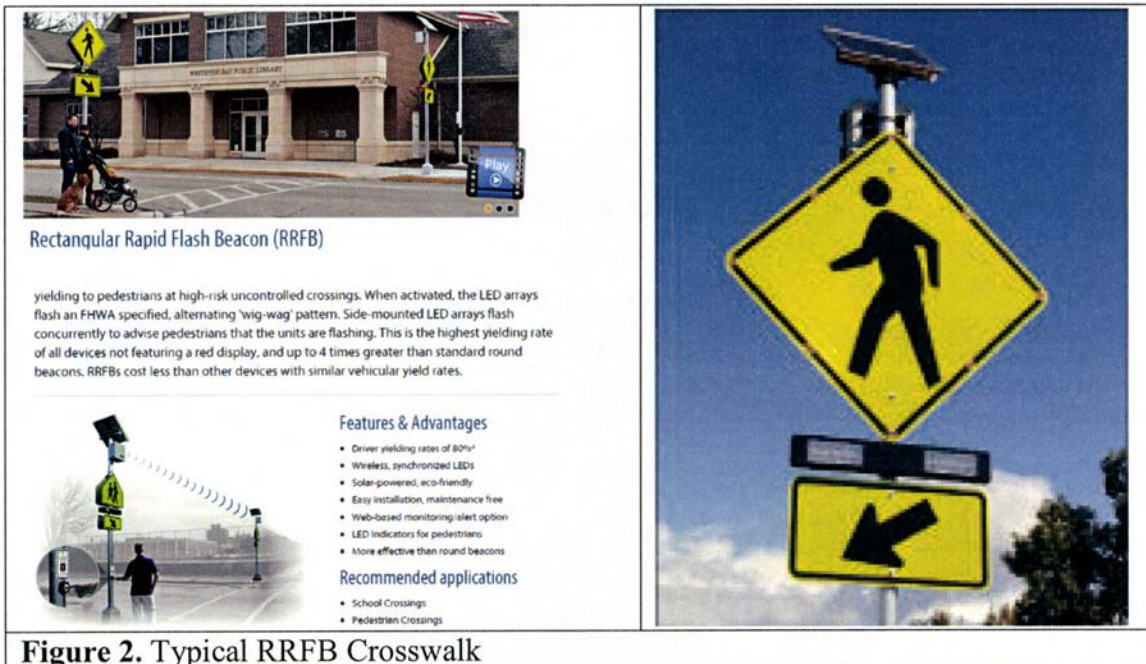


Figure 2. Typical RRFB Crosswalk

OPTION 2

BlinkerSign Crosswalk Flasher Option

A second option for helping drivers notice the new crosswalk location is the use of a BlinkerSign as shown in **Figure 3**. This sign is similar to the RRFB crossing and is activated by pushing a button to cross. This type of sign has been used in Salt Lake City on 500 East for crosswalks to Liberty Park.



Figure 3. Typical BlinkerSign Crosswalk

Recommendations:

City staff recommends Council allow funding for the following improvements:

1. Install a high visibility crosswalk at the preferred location. The crosswalk is an acceptable location with fewer turning vehicles (1,316 less vehicles per day than at the Post Office driveway) and it is just north of the south Senior Housing access driveway.
2. The cost estimate for the new crosswalk improvements is \$13,635.00. The cost includes new street lighting, two pedestrian ramps, flashers and signs. (*Concrete Ramps= \$5,000; Lighting=\$3,635; Flashers Signs and Striping=\$5,000*)
3. The street light providing overhead illumination is required for pedestrians who cross during the darker winter months or at night.

THE CITY OF WEST JORDAN, UTAH

A Municipal Corporation

RESOLUTION NO. 15-171

**A RESOLUTION AUTHORIZING STAFF TO IMPLEMENT OPTION 1
FOR JORDAN RIVER TRAIL PROJECTS**

Whereas, the City Council of the City of West Jordan has reviewed the options for Senior Housing 3200 West Midblock Crosswalks; and

Whereas, the City Council desires to recommend staff implement Option 1.

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF WEST JORDAN, UTAH:

Section 1. Staff is hereby authorized and directed to implement Option 1, authorizing staff to implement the proposed crosswalk improvements recommended in the staff report including: concrete ramps, street light, signs, striping and Rapid Rectangular Flashing Beacon.

Section 2. This Resolution shall take effect immediately.

Adopted by the City Council of West Jordan, Utah, this 25th day of August 2015.

Kim V. Rolfe
Mayor

ATTEST:

MELANIE S. BRIGGS
City Recorder

Voting by the City Council

"AYE"

"NAY"

Jeff Haaga

Judy Hansen

Chris McConnehey

Chad Nichols

Sophie Rice

Ben Southworth

Mayor Kim V. Rolfe

THE CITY OF WEST JORDAN, UTAH

A Municipal Corporation

RESOLUTION NO. 15-171

**A RESOLUTION AUTHORIZING STAFF TO IMPLEMENT OPTION 2
FOR THE PROPOSED SENIOR HOUSING 3200 WEST MIDBLOCK CROSSWALK**

Whereas, the City Council of the City of West Jordan has reviewed the options for Senior Housing 3200 West Midblock Crosswalks; and

Whereas, the City Council desires to recommend staff implement Option 2.

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF WEST JORDAN, UTAH:

Section 1. Staff is hereby authorized and directed to implement Option 2, authorizing staff to implement the proposed crosswalk improvements recommended in the staff report including: concrete ramps, street light, signs, striping and BlinkerSign Crosswalk Flashers, once funding is obtained.

Section 2. This Resolution shall take effect immediately.

Adopted by the City Council of West Jordan, Utah, this 25th day of August 2015.

Kim V. Rolfe
Mayor

ATTEST:

MELANIE S. BRIGGS
City Recorder

Voting by the City Council	"AYE"	"NAY"
Jeff Haaga	_____	_____
Judy Hansen	_____	_____
Chris McConnehey	_____	_____
Chad Nichols	_____	_____
Sophie Rice	_____	_____
Ben Southworth	_____	_____
Mayor Kim V. Rolfe	_____	_____