

Response to Councilor Question

Question:

What will the long-term infrastructure cost be for the *Safe Streets and Roads for All (SS4A)* pedestrian crossing improvement projects?

Response:

The SS4A grant application, if successful, would fund construction of 12 pedestrian crossing improvement projects, all located generally within a corridor surrounding Market Street NE. The crossings will add to assets that the City is responsible for maintaining, including:

- 11 new Rapid Rectangular Flashing Beacons (RRFBs)
- 1 new overhead flashing beacon
- Streetlights at 12 locations
- High-visibility crosswalk striping
- Pedestrian crossing signs
- Pedestrian median islands at 7 locations, including space for vegetation
- Curb extensions at 2 locations

The cost to maintain these assets is incremental and hard to develop a specific cost estimate without design details and pavement condition. Based on best available information, staff anticipates the **annual cost to maintain these assets would range from \$15,000 to \$20,000**. These costs would be funded out of the Transportation Fund, not the General Fund.

The following cost assumptions are based on best available information, taking into consideration costs experienced in recent years in today's dollars.

- **RRFBs = \$11,000 per year** (\$1,000 per year, per RRFB)
- **Overhead flashing beacon = \$74 per year** (\$24/year for electricity; replace beacon every 10 years for \$500)
- **Streetlights = \$180 per year** (estimated electricity cost for 12 new streetlights)
- **Landscaping = \$3,500 per year** (\$500 per year for landscaping in median islands)
- **Striping and signing and landscaping:** There is an incremental cost to adding each crossing location in the striping and markings budget. Pavement markings will need to be replaced every 3 to 7 years depending on whether the markings are in the wheel paths or not and depending on the age and condition of the asphalt paving.