



Meeting Date: May 1, 2017

Report No. CC-17-67

Agenda Item No. 8c

Status: General Orders

Purpose: Duck Street and Mathews Avenue Pedestrian Improvements

Background Summary: In response to concerns expressed about pedestrian safety when crossing Duck at Mathews, staff inspected the area and found the following conditions:

- The intersection of Duck Street and Mathews Avenue is currently uncontrolled with marked crosswalks crossing Duck Street on both the north and south sides of the intersection. The north crosswalk crosses 5 lanes of traffic and the south crosswalk crosses 4 lanes of traffic. The curb ramps at the intersection are not ADA compliant.
- The existing sidewalk along the east side of Duck Street from Miller Avenue to Mathews Avenue is generally in good to fair condition. A few panel repairs and three driveway replacements are needed to upgrade the sidewalk to current standards.
- There is no sidewalk along the west side of Duck Street from Miller Avenue to Mathews Avenue. Because of the significant grade difference between the right-of-way/property line and the back of the Duck Street curb, constructing a sidewalk is not economically feasible.
- The majority of the existing sidewalk along the east side of Duck Street from Mathews Avenue to Hall of Fame Avenue is too narrow and in poor condition. To meet current standards would require complete removal and replacement of most of the sidewalk and driveway approaches.
- There is an existing sidewalk from the northwest corner of Duck and Mathews extending approximately 50 feet north along Duck. There is no sidewalk along the remainder of the west side of Duck between Mathews and Hall of Fame. The existing right-of-way is located at the back of curb for Duck Street. While there is an existing 15-ft wide street and road easement in this location, an additional pedestrian easement would need to be acquired.
- With the exception of the SW corner, all of the existing curb ramps at Duck and Hall of Fame are not ADA compliant.

Alternatives:

1. Close and remove the existing crosswalks at Duck and Mathews and redirect pedestrians to the nearest signalized intersection. This alternative requires repair and replacement of the existing sidewalks on the east side Duck from Miller Avenue to Hall of Fame, construction of a new sidewalk on the west side of Duck from Mathews to Hall of Fame and replacement of curb ramps at the Hall of Fame, Mathews and Miller intersections along Duck.

If the work is performed by a contractor, the estimated construction cost is \$119,000. However, the work can be performed in-house by the Operations Department. The work, if performed in-house, could start in late May or early June and be completed in about 6 weeks.

2. Keep the existing crosswalks at Duck and Mathews and install a pedestrian actuated warning system. The system would include warning signs at and in advance of the crosswalks equipped with warning strobe lights and warning strobe lights in the pavement at the crosswalks. The estimated installation cost of the warning system is \$87,000.
3. Do nothing.

Budget Impact: Both options are eligible for funding from the 1/2-cent Transportation Sales Tax. Due to limited fund balance, funding this project in the Transportation Sales Tax fund will reduce funding available for other projects such as Pavement Management, N. Perkins Road, and possibly Airport Industrial Road.

Prior Council Action or Part of an Approved Project: No

Related Items: None

Recommendation: Staff recommends Alternative 1 with the work being performed in-house.

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