



City of Sunnyvale

Agenda Item

16-0888

Agenda Date: 2/17/2017

2017 COUNCIL STUDY ISSUE

NUMBER

DPW 17-07

TITLE Develop Mobile Version of Sunnyvale Bicycle Map

BACKGROUND

Lead Department: Public Works

Support Department(s): Information Technology

Sponsor(s):

Board/Commission: Bicycle and Pedestrian Advisory Commission

History:

1 year ago: N/A

2 years ago: N/A

SCOPE OF THE STUDY

What are the key elements of the study?

The study would evaluate the feasibility of developing and maintaining a mobile application of the Sunnyvale Bicycle Map. The study will also identify the essential features of a mobile application, develop a cost estimate, and determine the need for distribution of hard copies of the bike map in the presence of a mobile application.

What precipitated this study?

The Sunnyvale Bicycle Map is currently available on line in pdf version, and also as a paper copy document. The map is currently updated every 10 years; a mobile application will allow City to update the map more frequently. Usage of mobile application is increasingly prevalent among Sunnyvale residents and visitors; since many cyclists carry smartphones having a mobile version of the map would therefore be useful.

Planned Completion Year: 2019

FISCAL IMPACT

Cost to Conduct Study

Level of staff effort required (opportunity cost): Moderate

Amount of funding above current budget required: \$25,000

Funding Source: Will seek budget supplement

Explanation of Cost:

The cost associated with this will be for consultant services. The consultant will need to gather and evaluate the existing and future data of the City's bicycle network, do research on existing mobile applications, GIS map layers and recommend necessary features to include in the mobile applications, and determine costs for development and subsequent maintenance of the mobile application.

Cost to Implement Study Results

Unknown. Study would include assessment of potential costs.

EXPECTED PARTICIPATION IN THE PROCESS

Council-approved work plan: No

Council Study Session: No

Reviewed by Boards/Commissions: Bicycle and Pedestrian Advisory Commission

STAFF RECOMMENDATION

Position: Support

Explanation: A mobile application could allow staff to keep the bike map updated more regularly, and could provide useful information like travel times, route navigation, and popular routes to the bicyclists. In addition, it could save the City the expense of printing and updating the bike map using consulting services.

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Reviewed By: Kathleen Boutté Foster, Chief Information Officer

Reviewed By: Walter C. Rossmann, Assistant City Manager

Approved By: Deanna J. Santana, City Manager