

2012 Council Study Issue

DPW 12-03 Conditions for the Installation of Colored Bicycle Lanes

Lead Department Public Works

History 1 year ago None 2 years ago None

1. What are the key elements of the issue? What precipitated it?

Guidance from the Federal Highway Administration defines colored (green) bicycle lanes as an approved traffic control device for an interim period until a final decision is made whether to make them a standard. The guidance allows for a range of potential installations, including the entire length of a bike lane, only at bike lane pavement legends, through bike lane extensions at intersections, or at merge areas with right turn lanes. This issue would consider the establishment of priority conditions/locations for the installation of green bike lanes in Sunnyvale, and propose a capital improvement project to install green bike lanes.

2. How does this relate to the General Plan or existing City Policy?

Land Use and Transportation Element C3.5.4, maximize the provision of bicycle and pedestrian facilities.

3. Origin of issue

Board or Commission Bicycle and Pedestrian Advisory Commission

4. Staff effort required to conduct study Moderate**Briefly explain the level of staff effort required**

Staff would confer with the BPAC at a regular meeting or meetings to determine priority conditions from the standpoint of users. Locations meeting the priority condition would then be identified. Cost estimates associated with the implementation and maintenance of green bike lanes at those locations would be developed.

5. Multiple Year Project? No Planned Completion Year 2012**6. Expected participation involved in the study issue process?**

Does Council need to approve a work plan? No

Does this issue require review by a Board/Commission? Yes

If so, which? Bicycle and Pedestrian Advisory
Commission

Is a Council Study Session anticipated? No

7. Briefly explain if a budget modification will be required to study this issue

Amount of budget modification required 0

Explanation**8. Briefly explain potential costs of implementing study results, note estimated**

capital and operating costs, as well as estimated revenue/savings, include dollar amounts

Are there costs of implementation? Yes

Explanation

Implementing green bicycle lanes will have an installation and maintenance cost that will be considerable. Specialized thermoplastic or beaded paint must be used for the installation that is more costly than standard roadway paint to procure and to apply. The green marking would need to be re-applied on a regular basis, likely no more than every two years. It is estimated that green bike lanes cost around \$50/linear foot, or about \$2,000 for a right turn lane transition zone at one intersection approach. Depending upon the number of conditions proposed for this treatment, costs could be significant.

9. Staff Recommendation

Staff Recommendation Drop

If 'Support', 'Drop' or 'Defer', explain

Staff can conduct a study to identify priority locations for the installation of green bike lanes. However, the cost of constructing and maintaining green bike lanes is significant. The combined Study, implementation and particularly ongoing maintenance cost for this effort are significant. At this time resources are limited and should be directed to high priority efforts.

Reviewed by



Department Director

10-19-11

Date

Approved by



City Manager

10-20-11

Date