

2014 Council Study Issue

DPW 14-## Implementation of a Bike Share Program

Lead Department Department of Public Works

Sponsor(s) Bicycle and Pedestrian Advisory Commission

History 1 year ago: 2 years ago:

17. Scope of the Study

a. What are the key elements of the study?

This study would investigate costs, logistics, and efficacy of establishment of a Bike Share program in Sunnyvale. The study would examine successful models and other recent implementations of Bike Share programs in both local and national/international locations. The study would seek to identify a feasible concept for Sunnyvale and outline program components, capital outlay, ongoing maintenance and operational requirements, potential ridership, and revenue generation/required subsidy.

b. What precipitated this study?

The BPAC believes that bike sharing is a potentially effective means to reduce the number of motor vehicles on the roadway by providing convenient access to bicycles for short trips to local activity and transit centers.

c. Is this a multiple year project? No Planned Completion Year
2014

18. Fiscal Impact

a. Cost to Conduct Study

i. Level of staff effort required (opportunity cost)

Major Moderate Minor

ii. Amount of funding above current budget required \$

Will seek budget supplement Will seek grant funding

iii. Explanation of Cost:

b. Costs to Implement Study Results

- No cost to implement.
- Unknown. Study would include assessment of potential costs.
- Some cost to implement. Explanation:

19. **Expected participation in the process**

- Council-approved work plan
- Council Study Session
- Board/Commission Review by BPAC,

20. **Staff Recommendation**

a. Position:

b. Explanation:

Reviewed By:		Approved By:	
Department Director	Date	City Manager	Date

2014 Council Study Issue

DEPT 14-## Optimizing Public and Private Motor Vehicle Parking Supply

Lead Department Community Development Department

Sponsor(s) Bicycle and Pedestrian Advisory Commission

History 1 year ago: 2 years ago:

21. Scope of the Study

a. What are the key elements of the study?

This study would look at optimizing motor vehicle parking supply to reduce the tendency to overuse on-street parking and examine how private individuals could be required or incentivized to use on and off-street parking more efficiently to match legitimate needs for car storage and to free up space for bikes on the street. An objective of the study would be to make recommendations on reasonable amounts of off-street parking as compared to available linear feet of parking on street. The study could involve changes to the parking code and comprehensive supply and demand surveys in neighborhoods. An outcome could be a general formula of how many vehicles are essential for each household. Parking cash out for multi-family uses would also be evaluated. Garage parking would be taken into account in a parking study.

b. What precipitated this study?

The BPAC is interested in examining methods for reducing the amount of space utilized for motor vehicle parking, and tools for encouraging the reduction of the number of vehicles owned by private households. Reduced parking and motor vehicles could improve conditions for bicycling and incentivize the use of bicycles.

c. Is this a multiple year project? Yes Planned Completion Year
2015

22. Fiscal Impact

a. Cost to Conduct Study

i. Level of staff effort required (opportunity cost)
 Major Moderate Minor

ii. Amount of funding above current budget required \$ 150,000

Will seek budget supplement funding Will seek grant funding

iii. Explanation of Cost:

Consultant services for parking data collection, expert opinion on parking management.

b. Costs to Implement Study Results

- No cost to implement.
- Unknown. Study would include assessment of potential costs.
- Some cost to implement. Explanation:

23. Expected participation in the process

- Council-approved work plan
- Council Study Session
- Board/Commission Review by BPAC, Planning Commission

24. Staff Recommendation

a. Position:

b. Explanation:

Reviewed By:	Approved By:
Department Director Date	City Manager Date

2013 Council Study Issue

DPW 13-03 Consideration of Bicycle and Pedestrian Level of Service Criteria

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?

This study issue would examine methodologies which have been developed to assess "level of service" or otherwise evaluate roadway conditions for bicyclists and pedestrians in a similar or coincidental manner as motor vehicle traffic level of service evaluations are done. Several methods have been developed or are under consideration to provide multimodal "service" evaluation rather than the traditional automobile capacity service level calculations that are typically used for environmental reporting and traffic congestion monitoring. To date, in Sunnyvale the City's focus has been on planning and completing bicycle and pedestrian networks rather than evaluating service to bicyclists and pedestrians. A potential outcome of this study could be adoption of bicycle and pedestrian level of service criteria which would then be used to monitor and adjust roadway conditions.

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

LT 5 - 1b - Monitor the operation and performance of the street system by establishing a routine data collection program and by conducting special data collection as the need arises.

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

Research into various methodologies, development of a methodology for application in Sunnyvale, and quantification of impact on City operations.

5. Multiple Year Project? No **Planned Completion Year** 2013

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 40000

Explanation

Professional consulting services to identify and develop service level criteria.

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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

Adoption of new transportation service level criteria would create the need for additional data collection and analysis which is not currently performed. These criteria could also become CEQA criteria, which would increase the required level of effort to prepare environmental documents for capital projects and new developments.

9. Staff Recommendation

Staff Recommendation Drop

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

Research in the traffic engineering industry is ongoing for developing practical bicycle and pedestrian service level criteria. To date, none are widely adopted and methodologies are cumbersome and data intensive to implement. Staff believes that if manageable criteria are identified, they are likely to become a requirement of local agencies to implement, either through legislative action or congestion management requirements. Also, the City has already approved a number of plans and studies including a Bicycle Capital Improvement Program, a Guided Bicycle Route map, a Pedestrian Opportunities Study, and five area-specific plans for bicycle and pedestrian facilities that guide our bicycle and pedestrian planning. Staff recommends dropping this issue and utilizing the plans already in place to guide bicycle and pedestrian planning efforts and utilizing limited staff resources to pursue those plans.

Reviewed by

Kent Steffens

Department Director

10-5-12

Date

Approved by

Steph Lyn

City Manager

10-9-12

Date

2013 Council Study Issue

DPW 13-02 Replacing Double Yellow Roadway Striping Lines With Dashed Lines

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?

This issue would present design standards for the application of roadway centerline striping and consider establishing a policy or standard operating procedure for application of dashed yellow striping versus double yellow striping for roadway centerlines in Sunnyvale. Dashed yellow striping would legally and perceptually allow motorists to utilize opposite direction travel lanes (if clear of oncoming traffic) when passing bicyclists. This may improve motorists' confidence to provide sufficient clearance between a bicyclist and a passing motor vehicle. The study would also identify alternative approaches for retrofitting roads in order to consider varying levels of budget or operating impact, such as implementation as a single capital project, or implementation as part of regular striping or pavement maintenance cycles.

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

LT-5.4b, Install permanent and painted roadway markings.

3. Origin of issue

Board or Commission Bicycle and Pedestrian Advisory Commission

4. Staff effort required to conduct study Minor

Briefly explain the level of staff effort required

Review of traffic control design standards, estimation of amount of striping to be replaced, development of budgetary and operating impacts of various implementation approaches.

5. Multiple Year Project? No **Planned Completion Year** 2013

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

Study cost can be absorbed within the existing operating budget.

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