



CITY COUNCIL STAFF REPORT

DATE: May 7, 2014 NEW BUSINESS

SUBJECT: APPROVE PLACEMENT OF THREE BIKE CORRALS IN UPTOWN AND DOWNTOWN

FROM: David H. Ready, City Manager

BY: Office of Sustainability

SUMMARY

The Non-Motorized Transportation subcommittee of the Sustainability Commission recommends city council approval of three sites for downtown and uptown bicycle parking.

RECOMMENDATION

1. Approve the construction of bicycle corral/bicycle parking structures at the Palm Canyon Theater North Parking area, on Palm Canyon's west side in front of the Village Green and on the east side of Palm Canyon in front of Wellwood Murray Library.

BACKGROUND

The City of Palm Springs adopted a Non-Motorized Transportation Plan (NMTP) in October 2011. Since then the Sustainability Commission formed a Non-Motorized Transportation Committee (NMTC) that has spearheaded many projects to improve bicycle infrastructure and safety. The addition of bicycle parking in the form of corrals is consistent with the projects recommended by the NMTC.

An in-street bicycle parking corral ("corral"), also known as "on-street" bicycle parking, is a group of bicycle parking racks placed in the street next to the curb aligned with car parking stalls. Corrals may be prioritized for installation where demand for bike parking is higher than can be accommodated on the sidewalk. Corrals may be installed in other locations based on favorable site-specific circumstances.

Corrals are reserved exclusively for bicycle parking and provide an inexpensive solution for high-volume bicycle parking. Corrals are implemented by converting one or two on-street motor vehicle parking spaces into on-street bicycle parking. Corrals move

bicycles off the sidewalks, leaving more space for pedestrians, sidewalk café tables, etc. Bicycle parking does not block sightlines (as large motor vehicles do), so it may be possible to locate bicycle parking in 'no-parking' zones near intersections and crosswalks. Bicycle corrals may also be located on the sidewalk where roadway paving and development projects allow for large curb extensions into the parking zone.

The three locations proposed by the NMTTC have been reviewed by staff from public works and sustainability and have been deemed appropriate locations for bicycle parking. The Library Director has been informed that a bike corral will be placed in front of the Wellwood Library. SunLine transit agency has also been notified of the City's decision to place the bicycle corral parking adjacent to the Village Green location. In addition, the proposed locations were presented to Main Street Association. The Main Street Association members support the addition of corrals and have asked that bike rack colors coordinate to match designations on the Main Street map. The colors are blue in the south district, green in the north district, and orange in the uptown district.

STAFF ANALYSIS

Addition of the bicycle corrals provides safer parking options for cyclists. Adding corrals is also in line with an increased interest in bicycle friendly businesses. The bicycle corrals provide an ideal parking solution when faced with an increasing amount of downtown events. Lastly, the added bicycle corrals will encourage bicycling as alternate transportation and result in the City's goal of reducing greenhouse gas emissions.

Corrals elements include the following:

- Bicycle racks
- Buffers and barriers
- Parking wheel stops
- Delineators (safe-hit posts)
- Optional Striping (8" solid white corral perimeter/4" diagonal white buffer)
- Red curb (external to corral perimeter)
- Signs

Racks, wheel stops, and delineators all feature white reflective tape. The curb adjacent to the corral is to be unpainted (or painted grey). The curb next to the corral is to be painted red. The 2 parking areas on Palm Canyon will have a white "Hatch" pattern w/ bike symbols. On Granvia Valmonte the parking area will have a 20' x 20' green bicycle "Block" with bike symbols.

The installation of a corral prevents City street-sweeping vehicles from accessing the parking lane, therefore the downtown streets staff will need to hand sweep the corral area and dispose of debris, as well as provide any ongoing monitoring of the corral's condition. The placement of bicycle corral parking in the three locations will result in loss of one to two parking spaces at each site.

Wellwood Murray Bicycle Corral – Removal of one parking space. This location is directly in front of the entrance of the Wellwood Murray Library on the east side of Palm Canyon. Total area is 28' total length x 8' total width including 3.5' on each end for entry and exit and bike marking on the pavement. The bicycle corral will account for 21' of the length of total area. Of the 8' in width must allow for 2.5' between curb & bike corral and 3.5' from edge of travel lane to bike corral. The corral will accommodate 10 to 15 bicycles

Village Green – Extension of Red Zone utilized by SunLine Transit Agency. This location is on the corner of Arenas and Palm Canyon on the west side of the street adjacent to the existing SunLine bus stop. Total area is 28' total length x 8' total width including 3.5' on each end for entry and exit and bike marking on the pavement. The bicycle corral will account for 21' of the length of total area. Of the 8' in width must allow for 2.5' between curb & bike corral and 3.5' from edge of travel lane to bike corral. The red zone will be extended to the south and therefore eliminate one parking spot.

Palm Canyon Theater – Removal of two parking spaces. This location is to the north of the Palm Canyon Side lot 22' w x 22' l; (2 parking stalls). This location requires 2.5' from curb length in first stall for entry/exit and 2.5' of the length from the curb for entry/exit and 3.5' at the end of the length nearest the street. This leaves approximately 14' +/- in length for bike corrals.

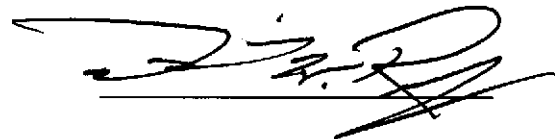
FISCAL IMPACT:

The City received grant funding from the Mobile Source Air Pollution Reduction Review Committee (MSRC) in the amount of \$40,000. These funds are available to use for completion of this project and will adequately cover the costs of the corrals and installation. The cost of the installation of the thermoplastic is \$8,726.28. The cost for the bike corrals is \$1275.00 for one parking space and \$2550.00 for two parking spaces. City staff time will also be logged and reimbursed through the MSRC grant. The total estimated cost for this project is \$25,000 including labor and materials.

Michele Mician,
Sustainability Manager



David H. Ready,
City Manager



Attachments:

1. Award letters from MSRC
2. Power Point Presentation of Bike Corral Diagrams



Clean Transportation
Funding from the MSRC
Mobile Source Air Pollution Reduction Review Committee

21865 Copley Drive
Diamond Bar
CA 91765
909.396.3269
fax 909.396.3682

December 13, 2013

Michele Mician
Office of Sustainability Manager
City of Palm Springs
3200 E Tahquitz Way
Palm Springs, CA 92263

Subject: MSRC Proposal #PA2014-14-2
Funding For Bicycle Racks

Dear Ms. Mician:

The South Coast Air Quality Management District Governing Board approved funding for your project on December 6, 2013. Congratulations on the success of your MSRC proposal and subsequent award of funds in the amount of \$40,000.

MSRC staff will contact you with a contract detailing how work, payments, reports, etc., will occur. Generally, you should not start work until a contract has been executed. Any costs incurred prior to contract execution shall be incurred solely at your own risk.

Please note that we need documentation of worker's compensation, general and automobile liability insurance before we can send you a contract for execution. If you have any questions regarding this award of funds or the process that will take place, please contact me at (909) 396-3269.

I look forward to working with you.

Sincerely,



Cynthia Ravenstein
MSRC Contracts Administrator
cynthia@cleantransportationfunding.org

Bike Corral Placement City of Palm Springs



Round Rack

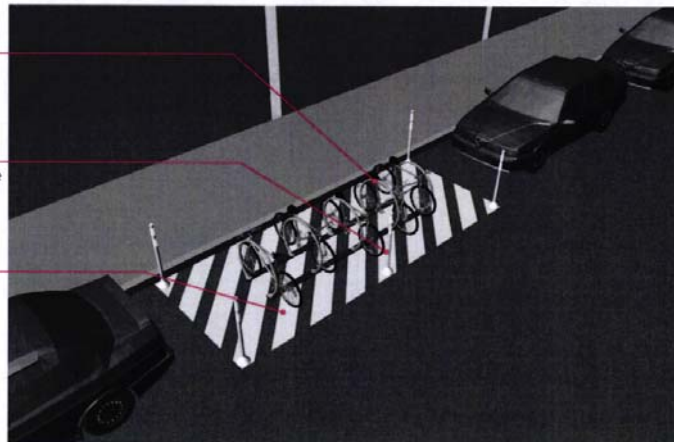
2 bikes per rack x 5 racks = 10 bikes
Mounted on rails or directly into concrete

48" Plastic Tubular Marker

Flexible base mounted directly into concrete
Reflective bands near top

Painted Hatch Pattern

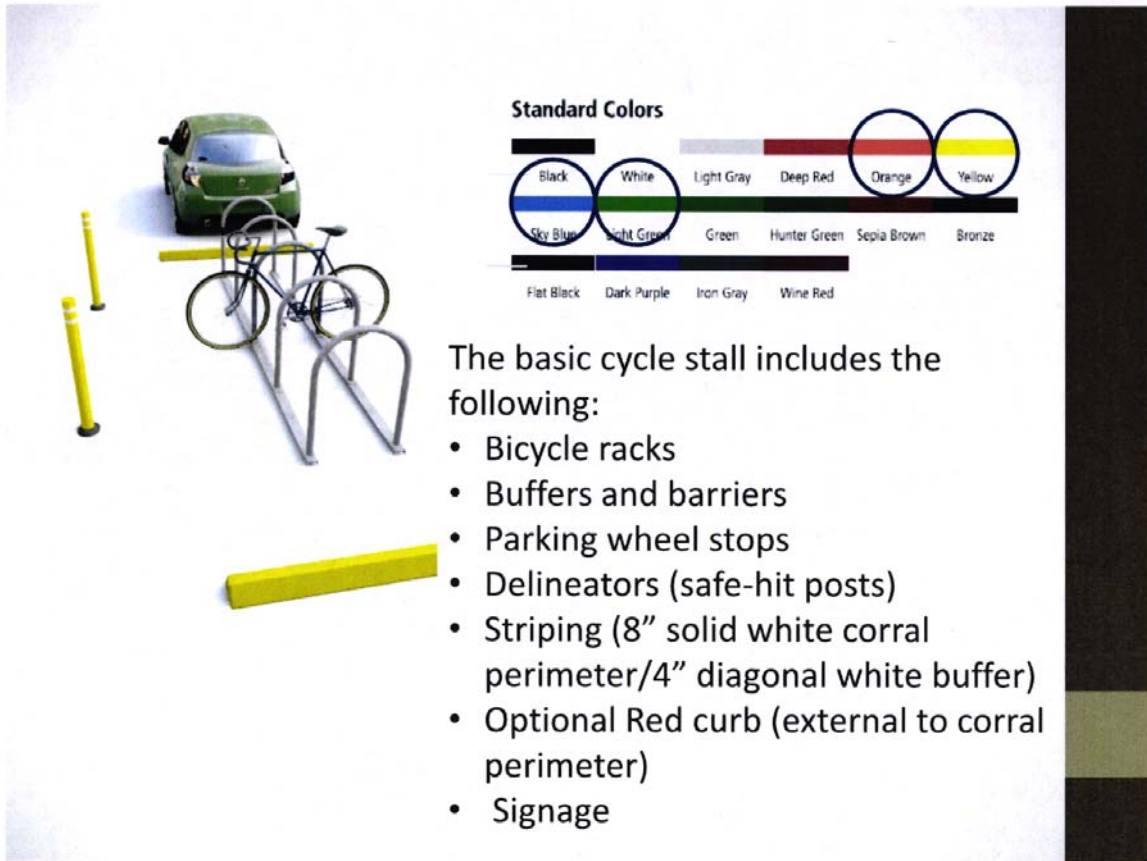
12" wide stripes at 45°
8.5" space between stripes



Cycle Stall Benefits



- Bicycle corrals provide parking for 10 to 15 bicycles in the same space that takes up an average size car parking space
- Encourages Cycling
- Provides safe bicycle parking options



Three Proposed Locations for Bicycle Parking/Corrals

- Welwood Murray – 1 parking space
- Village Green – 1 parking space
- Palm Canyon Theater – 2 parking spaces

Welwood Murray Library Location

- 28' length X 8' width
- Of 28' space 21' for corral
- 3.5' on each end for entry/exit and bike marking on pavement
- Corral is 8' wide requiring 2.5' between curb & bike corral and 3.5' from edge of travel lane to bike corral





**Welwood
Murray
Removal of One
Parking Spot**

Village Green Corral Placement

Location
221 South Palm Canyon Dr.
Palm Springs, CA 92262
(between Arenas and Baristo
Roads on the west side)

- **Currently red striped & used by SunLine for bus stop**
- **City will re-stripe extending red zone by area equal to 1 parking spot**
- **Contacted SunLine regarding removal of one 28' in length area (parking spot) to accommodate the bus stop**
- **Bike Corral placed in North portion of existing Red Zone**
- **Of the 28' space - 21' for the corral**
- **3.5' on each end for entry/exit and bike marking on pavement.**
- **Corral is 8' wide requiring 2.5' between curb & bike corral and 3.5' from edge of travel lane to bike corral**

Village Green



New Bike Corral
Location 28' long
and 8' wide

28' feet of the Loading
Zone to be red striped to
accommodate SunLine
(previously horse carriage
loading)

Palm Canyon Theater

- 2 Parking Spaces removed to accommodate 2 Corrals
- Parallel Placement diagonally in parking spaces
- Easier for Bicycles & Vehicles to move in/out of parking
- Ideal capacity for 20-24 bikes to meet area demands for restaurants and park/theater activities.

