

# Project Summary – Final Report

## Bicycle Infrastructure and Outreach

### Contract Number ML 16126

### City of Palm Springs, California

August 31, 2020

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City of Palm Springs

Office of Sustainability



***Prepared for the Mobile Source Air Pollution Review Committee (MSRC) under the AB 2766 Discretionary Fund Work Program***

## Acknowledgements

The City of Palm Springs wishes to acknowledge the following individuals and organizations that supported work under this contract:

- The Mobile Source Air Pollution Reduction Review Committee for providing critical grant funding that made this work possible
- The City of Palm Springs Sustainability Commission for consistently supporting bike-related initiatives and helping to enhance the City's bike infrastructure
- The Palm Springs City Council members (past and present) for being consistent allies in the City's efforts to reduce greenhouse gas emissions
- The many businesses and organizations in Palm Springs that stepped up and requested bike racks
- Daniel DeGarmo, Sustainability Coordinator at the City of Palm Springs, who oversaw the bike rack program
- ACE Printing that provided graphic and printing support for a variety of material
- Chris Foster company for installing bike racks throughout the City of Palm Springs
- PS Cares for working with our Police Department to promote bike registrations and bike safety
- Tour de Palm Springs for promoting Palm Springs as a biking destination through its growing annual bike event

This report was submitted in fulfillment of ML16126 and Bicycle Infrastructure and Outreach by the City of Palm Springs under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of July 31, 2020.

## Disclaimer

The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution Reduction Review Committee (MSRC) or the South Coast Air Quality Management District (South Coast AQMD). The mention of commercial products, their sources or their uses in connection with material reported herein is not to be construed as either an actual or implied endorsement of such products.

## Project Description and Work Performed

The City of Palm Springs has always been committed to sustainability in its many forms. It began focusing on bike infrastructure with help from MSRC in 2013. Under this initial phase of work, the City installed about 50 bike racks throughout the City.

In 2015 and 2016, the City developed a Sustainability Master Plan that included goals for improving community health and wellness, promoting active and sustainable transportation, addressing climate change, and promoting energy conservation. Improved bike infrastructure and increased biking helps the city achieve all of these goals. The City reached out to MSRC again to apply for grant funding to continue the City's momentum and help us achieve these goals.

Contract ML 16005 was issued on March 4, 2016, and was later replaced with ML 16126 and modified in July 2020 (ML 16126A). The final contract scope supported the following activities:

- Installation of at least 30 bike racks of various types
- Producing at least 10,000 bilingual bike safety brochures

The overall goal of this effort was to enhance the city's bike infrastructure to accommodate increased bike traffic and promote biking and bike safety so that this infrastructure is utilized and greenhouse gas emissions are reduced.

### Bike Rack Installation

The City has installed 35 bike-shaped bike racks over the life of the contract. These racks are located throughout the City but primarily throughout the core of downtown. A complete list of racks and locations is included in Attachment 1.

The racks were advertised through a business outreach program. The City invited businesses to request racks to be placed at or near their business. Businesses were asked to complete an application form (see Attachment 2) in accordance with the Contract. If approved, the City coordinated the bike rack installation with the selected contractor. The program is advertised on the City's website at the following web address:

<https://www.palmspringsca.gov/city-services/sustainability-and-recycling/non-motorized-transportation>

Applicants have the option of choosing a bike-shaped rack or a hitch rack in a specific color – orange, blue, yellow, and green. Of the racks installed under this contract, 33 were bike shaped racks, one was hitch shaped, and one was a “spring shaped” coral. The hitch and the bike-shaped racks accommodate at least 2 bikes per rack, and the coral accommodates about 6 bikes, resulting in over 70 new bike parking spaces. These racks are a prominent indicator of the City's sustainability focus. They are also built in conformance with the Association of Pedestrian and Bicycle Professionals performance criteria. Finally, and equally as important, they also reflect the Palm Springs “brand,” which helps generate interest in biking from our residents and visitors. Below is a link to an article that was published that emphasized the unique rack style.

<https://www.theparkcatalog.com/blog/outdoor-bike-racks-palm-springs-artistic/>

Photos of some of the racks installed are included in Attachment 3 as Documentation.

### Bilingual Bike Safety Brochures

The City designed and produced over 21,000 bilingual bike safety brochures that included bike route maps and information on bike lane signage. These bike brochures/maps have been a huge success and over 14,000 have been distributed at the time of this report. In addition to safety tips, the maps also include suggested city bike routes that further promote bike safety by directing cyclists to marked bike routes and bike lanes.

Residents and visitors can download the brochures/maps from our website or pick up hard copies at various events such as the Health & Fitness Fair, the ONE PS Picnic, Farmers Markets, and at local bike sales/rental shops, our visitor Center, and the Palm Springs City Hall. The brochures/maps feature the MSRC logo prominently on the cover and include the following statement: “Bicycle map and infrastructure made possible in part through grants from the Mobile Source Air Pollution Reduction Review Committee (MSRC).”

## Problems Encountered/Lessons Learned

The original project scope included a broader outreach and engagement program and a bike event that the City was unable to complete because the City's Sustainability Manager left in September of 2016. Her departure unfortunately derailed much of the City's sustainability activities, and a number of events had to be canceled. We recently worked with AQMD to revise the original contract scope.

There were no specific problems encountered throughout the bike rack program. We were hoping for a new wave of interest given the new construction projects that were underway downtown. The COVID-19 pandemic response put a halt to these new projects, and they are unlikely to return any time soon.

A key lesson learned that may be applicable to other cities is to really think about the design and how it fits with the city's overall culture and image. For Palm Springs, the bike-shaped racks in "Palm Springs colors" generated a lot of interest. In some cases they look more like sculpture than bike racks, so additional signage or accompanying messaging can help promote clarity.

## Emissions Benefits

There are no emission reduction estimates available for installation of bike racks or for producing bike safety brochures. However, as noted on the California Air Resources website, "secure and convenient parking at stores will encourage shoppers to try cycling, especially in compact, multi-use neighborhoods with reduced trip distances."<sup>1</sup> The placement of these racks in our downtown corridor is especially important as it is a highly visible reminder that biking is a viable form of transport. Maps and safety brochures help to further facilitate ridership.

The only emissions factors available related to bike infrastructure focus on the addition of bike lanes. However, both bike lanes and bike racks are designed to increase bike ridership and decrease car trips, so some of these factors in *Methods to Find the Cost-Effectiveness of Funding Air Quality Projects, May 2005*, were used to estimate emissions benefits.

Specifically, the City used the following information:

1. Project Cost - \$39,299 (Total Funding), Grant Cost = \$19,279.82
2. Life – 15 years (for racks in particular)
3. Days of Use (D) – 305 (assuming all but 2 months per year provide adequate biking conditions)
4. Average Miles of Trip (L) – 2 (used slightly greater than default, to align with the average distance between key neighborhoods and downtown)
5. Annual Average Daily Traffic (ADT) – 10,000 (Our busiest roads on the edges of the city are between 12k and 20k, but the downtown streets would be lower, so we assumed 10,000)
6. Adjustment (A) - .0207 (for cities with less than 250k people and 2 miles of bike lanes, assuming most riders follow bike maps to designated bike lanes and paths)
7. Activity Centers Credit (C) - .0015 for seven or more activities within .5 miles

Based on these numbers, the following calculations were made:

Annual Auto Trip Reduced =  $(305) * (10000) * (.0207 + .0015) = 67,710$  trips/year

Annual Auto VMT Reduced =  $67,710$  trips/year x 2 miles = 135,420 miles/year

Annual Emissions Reduction (ROG) =

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<sup>1</sup> <https://ww3.arb.ca.gov/planning/tsaq/bicycle/factsht.htm>

$[(67,710 \text{ trips/year} \times 1.02 \text{ grams/trip}) + (135,420 \text{ miles/year} \times .266 \text{ grams/mile})]/454 = 231 \text{ lbs/year}$

Annual Emission Reduction (NOx) =

$[(67,710 \text{ trips/year} \times .458 \text{ grams/trip}) + (135,420 \text{ miles/year} \times .319 \text{ grams/mile})]/454 = 164 \text{ lbs/year}$

Annual Emission Reduction (PM10) =

$[(67,710 \text{ trips/year} \times .016 \text{ grams/trip}) + (135,420 \text{ miles/year} \times .219 \text{ grams/mile})]/454 = 68 \text{ lbs/year}$

Cost Effectiveness of TOTAL Funding Dollars =  $(3 \times \$39,299)/(463 \text{ lbs/year}) = 255 \text{ dollars/lb}$

Cost Effectiveness of Grant Funding Dollars =  $(3 \times \$19,279.82)/(463 \text{ lbs/year}) = \$125 \text{ dollars/lb}$

## Recommended Future Actions

The City is in the process of conducting a Pedestrian Safety and Safe Routes to School Master Plan and preparing an application to become a “Bike Friendly City.” These two efforts will generate a list of additional projects designed to promote biking and walking, which will contribute to air pollution reduction. We expect to have these lists of projects developed by Fall 2021 and would like to pursue additional bike and pedestrian infrastructure funding from MSRC at that time, if there is an opportunity to do so. Regardless of additional funding, the City plans to continue to install bike racks upon request and target underserved areas of the city.

## Promotion

The City has included the MSRC logo on the bike map and safety brochure that we produced as part of the original scope of this contract as shown on the front cover of this report. The City also calls out MSRC’s sponsorship on our Biking Information web page

The City also produced a flyer documenting the results of the program. This flyer is included in Attachment 4 and posted on our Biking Information web page.

## Attachment 1: Bike Rack Locations, Numbers and Types

Location	Address	Type	#	Color	Date
Chill Bar	217 E Arenas Rd	Bike Shape	2	Blue	6/29/2016
Vista Sunrise LP	1313 E Vista Chino Rd	Bike Shape	1	Red	6/29/2016
Sunny Dunes Antique Mall	507 E Sunny Dunes Rd	Bike Shape	1	Yellow	7/5/2016
V Palm Springs Hotel	333 E Palm Canyon Dr	Bike Shape	1	Orange	8/1/2016
Workout Gym	2100 N Palm Canyon	Bike Shape	1	Red	8/1/2016
Canyon Club Hotel	960 N Palm Canyon Dr	Bike Shape	2	Orange	3/21/2017
Destination PSP	170 N Palm Canyon Dr	Bike Shape	1	Green	3/21/2017
Camelot Theater - Palm Springs Cultural Center	2300 E Baristo Rd	Bike Shape	1	Red	3/22/2017
Joy of Life Wellness Center	142 W Oasis Rd	Hitch	1	Green	3/22/2017
Miriam's Poochella Dog Grooming	1504 S Palm Canyon Dr	Bike Shape	1	Yellow	3/22/2017
Katherine Finchey Elementary School	777 E Tachevah Dr	Bike Shape	1	Yellow	5/9/2017
Heritage Trailhead	479 N Belardo	Bike Shape	2	Green	5/12/2017
Trina Turk	891 N Palm Canyon Dr	Spring Shape	1	Orange	5/31/2017
Arcaro's Auto Body Repair Inc	340 Del Sol Rd	Bike Shape	1	Orange	6/29/2017
Antique Gallery Palm Springs	505 E Industrial Place	Bike Shape	1	Yellow	1/11/2018
4 Paws Coffee Co.	2500 N Palm Canyon	Bike Shape	1	Red	2/15/2018
PS Landing	4645 Ramon Rd	Bike Shape	1	Red	2/15/2018
Rex	2500 N Palm Canyon	Bike Shape	1	Red	2/15/2018
The Amado Center	333 N Palm Canyon	Bike Shape	1	Orange	2/15/2018
The Corridor	515 N Palm Canyon	Bike Shape	1	Green	2/15/2018
Venezia	2500 N Palm Canyon	Bike Shape	1	Red	3/8/2018
Musicland Hotel	1342 S Palm Canyon Dr	Bike Shape	1	Orange	5/15/2018
Royal Sun Inn	1700 S Palm Canyon Dr	Bike Shape	1	Orange	5/29/2018
Sherman's Delicatessen	401 E Tahquitz Canyon Way	Bike Shape	1	Green	12/14/2018
Starbucks Coffee - 3 Racks	682 S Palm Canyon Dr	Bike Shape	3	Green	1/9/2019
650 On The Move	1701 N Palm Canyon Dr Suite 8	Bike Shape	1	Orange	2/11/2019
Boxing Club Homeless Center - 3 Racks	225 S El Cielo Rd	Bike Shapes	3	Orange	10/31/2019
Neuro Vitality Center	2800 E Alejo Rd	Bike Shape	1	Yellow	4/10/2020

## Attachment 2: Bike Rack Application



### HOSTING AGREEMENT OF CITY OF PALM SPRINGS OWNED BICYCLE RACK(S)

#### AGREEMENT BETWEEN THE CITY OF PALM SPRINGS AND

\_\_\_\_\_ (HOST). This agreement is between the City of Palm Springs, charter city of the State of California ("City"), and \_\_\_\_\_ ("Host"), a private property owner.

In recognition of the need to provide accessible, affordable, user-friendly transportation in the Palm Springs area by facilitating the broader use of bicycles, the City is installing bicycle racks funded through grant funds provided by the Mobile Source Air Pollution Reduction Review Committee. A portion of the total City-owned racks will be installed in selected, City-owned properties and business areas (Host sites).

In consideration of the terms and conditions set forth herein, the City and the Host agree as follows:

1. The City will pay all costs incurred in providing the Host with one or more bicycle racks, including design, materials on property privately-owned by the Host.
2. The City will be responsible for all contacts and communications with the Host of the individual bicycle rack(s) and for obtaining the Host's signature on the Bicycle Rack Hosting Agreement.
3. The City will ensure installation services for bicycle racks(s) and the locations will be approved by the City in its sole discretion.
4. In such circumstances that the bicycle rack(s) is to be installed on Host property the Host will be responsible for providing proof of ownership and authorization for modification of the property site. If the bicycle rack is to be placed on City property the City must approve the location prior to installation.
5. If the City determines that any of the bicycle racks installed pursuant to this Agreement becomes a public safety hazard or other nuisance, the City reserves the right to remove it in its sole discretion.
6. If any Host no longer supports the rack it agreed to host, or if a Host relinquishes ownership of its property, the City shall have the right to give notice to the Host and enter the property to remove the rack. **Rack must be in place for a minimum of ten years unless a written notice and exception is made through the City of Palm Springs.**
7. The Host shall not assign this Agreement without prior written consent of the City which consent may be withheld by the City in its sole discretion.
8. Each party shall defend indemnify and hold the other party, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses or suits, including attorney fees, arising out of or in connection with the indemnifying party's negligence in performing their Agreement, except for injuries and damages caused by the sole negligence of the other party.
9. In the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the parties, their officers, officials, employees, and volunteers and/or any third parties, each party's liability hereunder shall be only to the extent of its negligence. The provisions of this section shall survive the expiration or termination of this Agreement.

10. This Agreement may be terminated with thirty (30) days written notice by either party.
11. It is hereby agreed that no waiver of any condition or covenant in the Agreement, or any breach thereof, shall be taken to constitute a waiver of any subsequent breach.
12. Any written notice required or permitted to be given herein shall be made by registered or certified U.S. mail, or by delivery in person to the party which is the intended recipient of the notice, at the following address or to such other respective as either party hereto may from time to time designate in writing. Notices sent by mail shall be deemed given when properly mailed, and the postmark affixed by the United States Post Office shall be conclusive evidence.
13. The host understands that the "Bike Bike" bicycle racks take 6 to 8 weeks to manufacture and agrees to installation of racks within 90 days of signing this agreement unless manufacture is delayed.



REQUESTED: Hitch

Bike Bike Rack

**APPLICANT INFORMATION**

Applicant Name:	
Address:	
City, State, Zip:	
Phone:	
Email:	

EMAIL APPLICATION TO: [c\\_niel.degarmo@palmsspringsca.gov](mailto:c_niel.degarmo@palmsspringsca.gov) or MAIL COMPLETED APPLICATION:  
 City of Palm Springs  
 Manager of Sustainability  
 3200 E. Tahquitz Canyon Way  
 Palm Springs, CA 92262

**CITY OF PALM SPRINGS**

Patrick Tallarico  
 Manager, Office of Sustainability

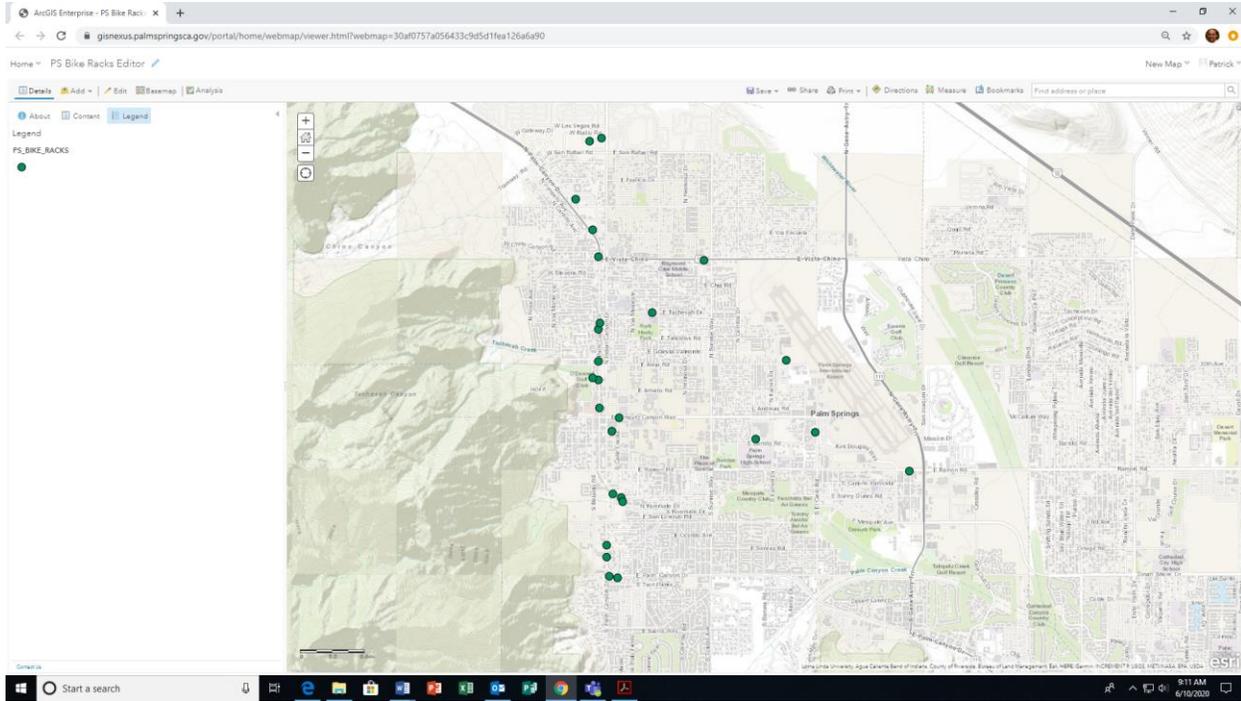
Date

Property owner (signature)

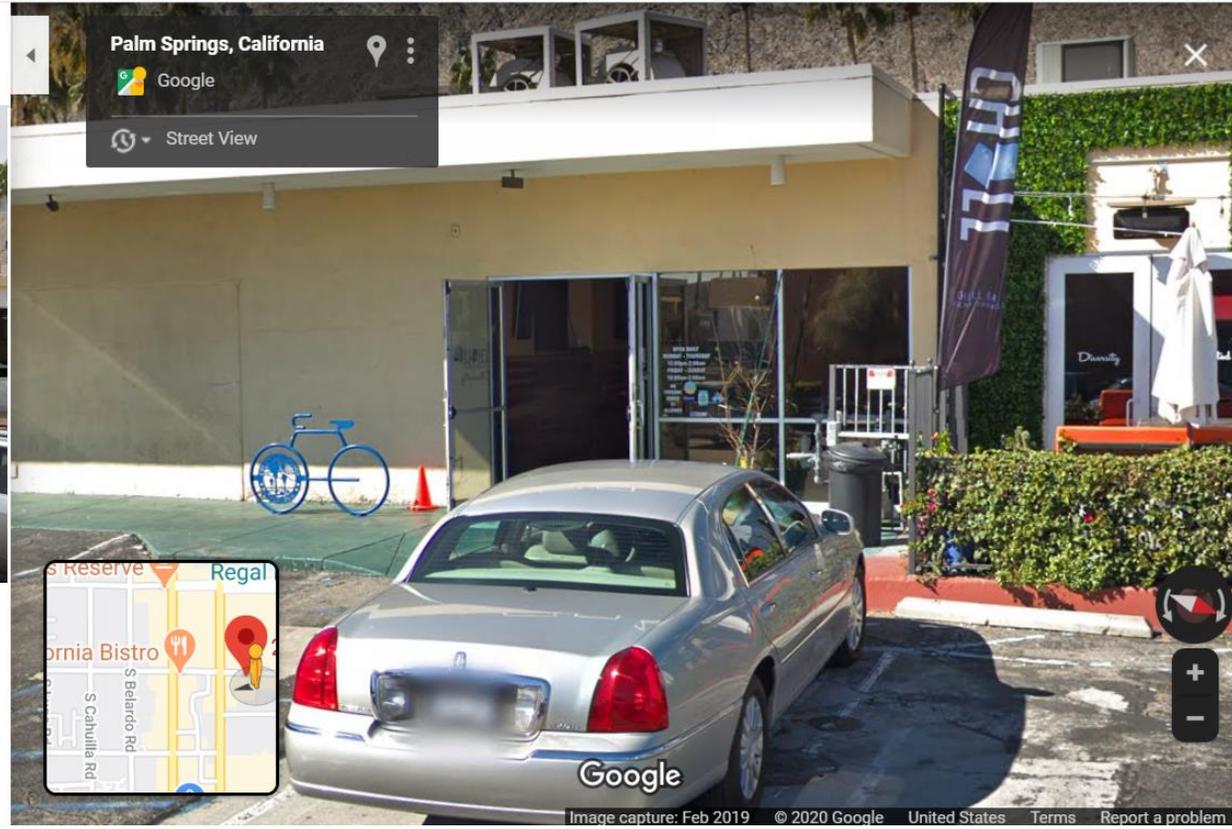
Date

# Attachment 3: Documentation

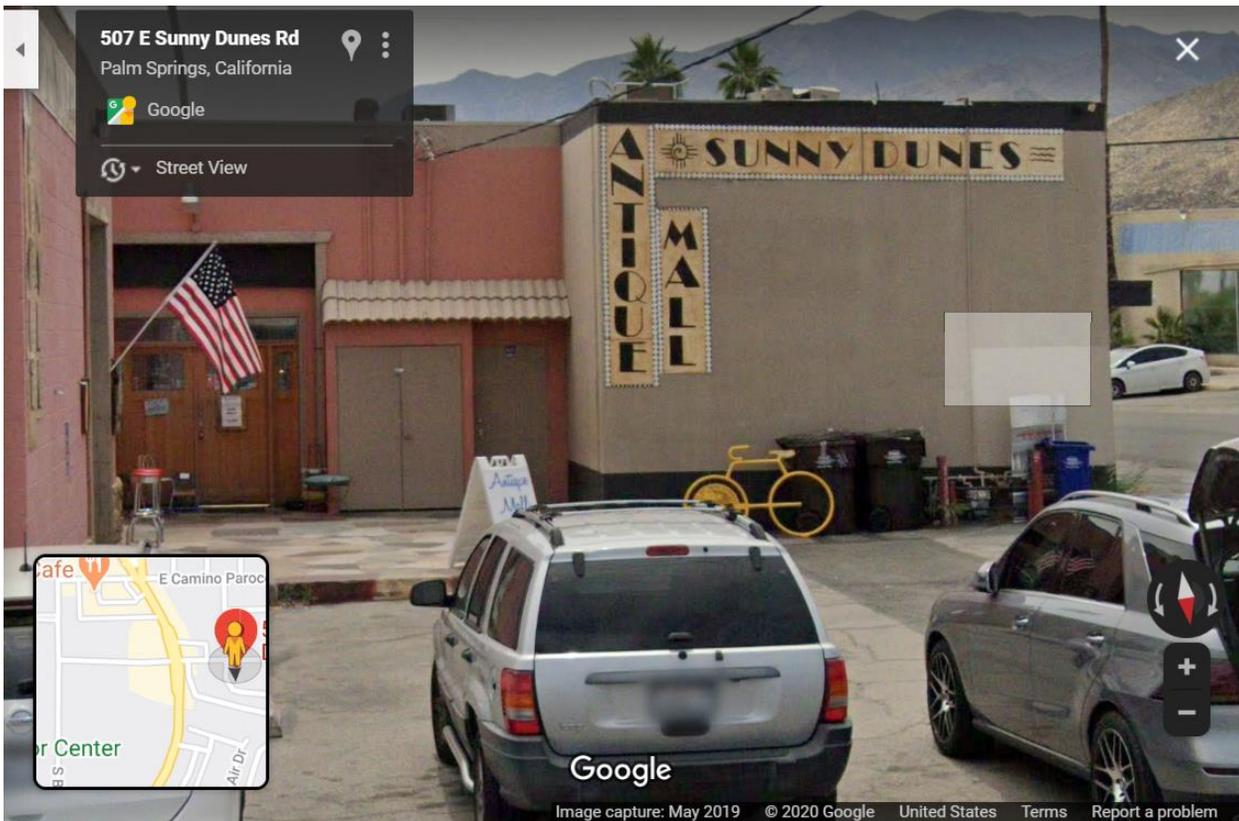
## MAP OF BIKE RACK LOCATIONS



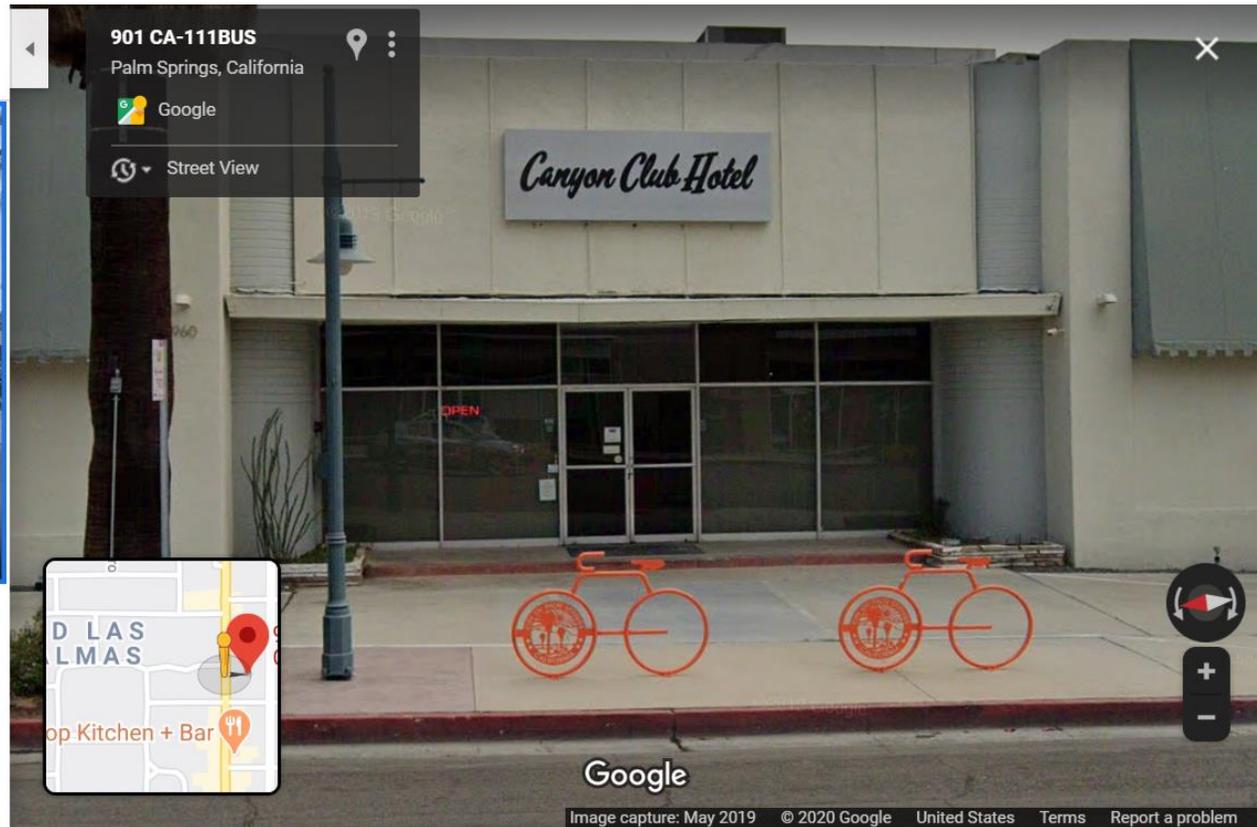
PHOTOS OF INSTALLED RACKS



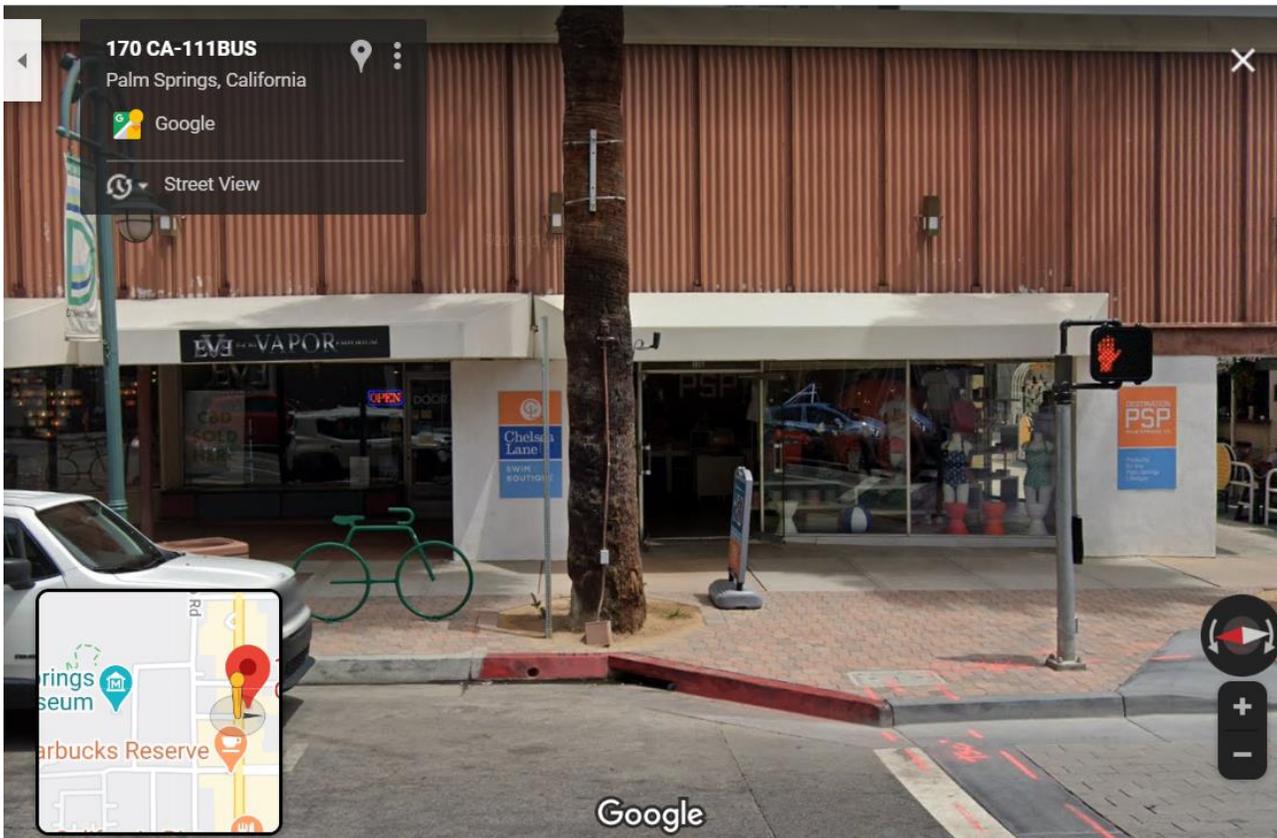
Chill Bar - 217 E Arenas Road



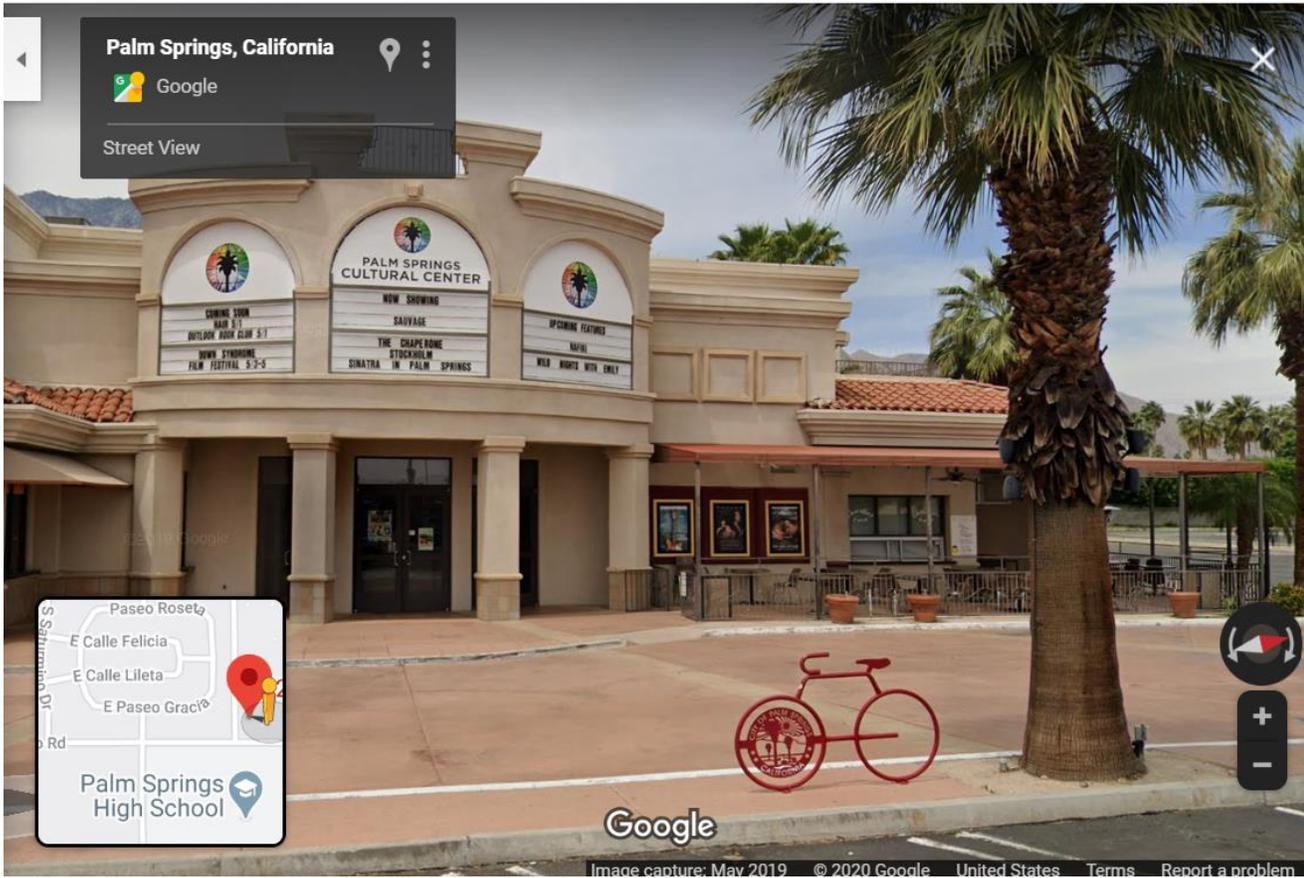
Sunny Dunes Antique Mall - 507 E Sunny Dunes Road



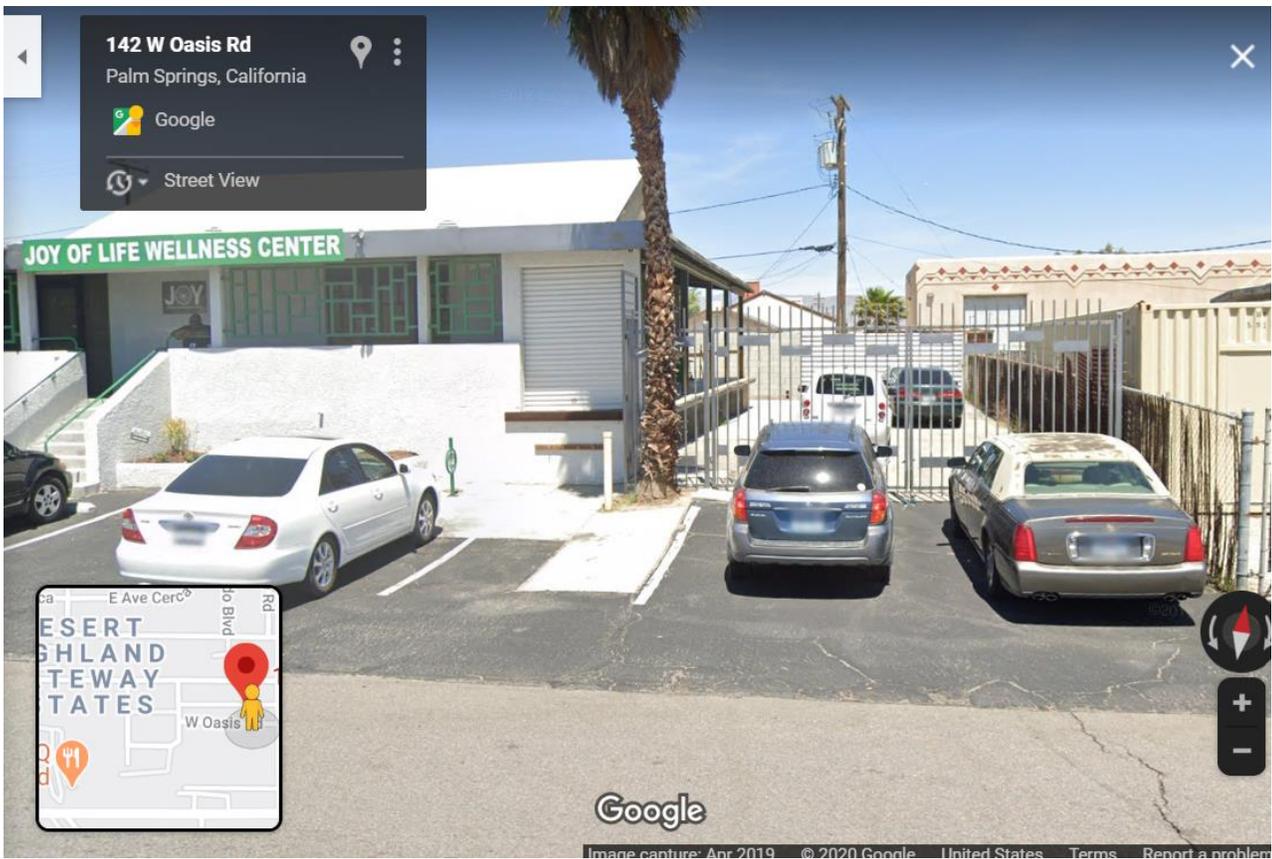
Canyon Club Hotel - 960 N Palm Canyon Drive



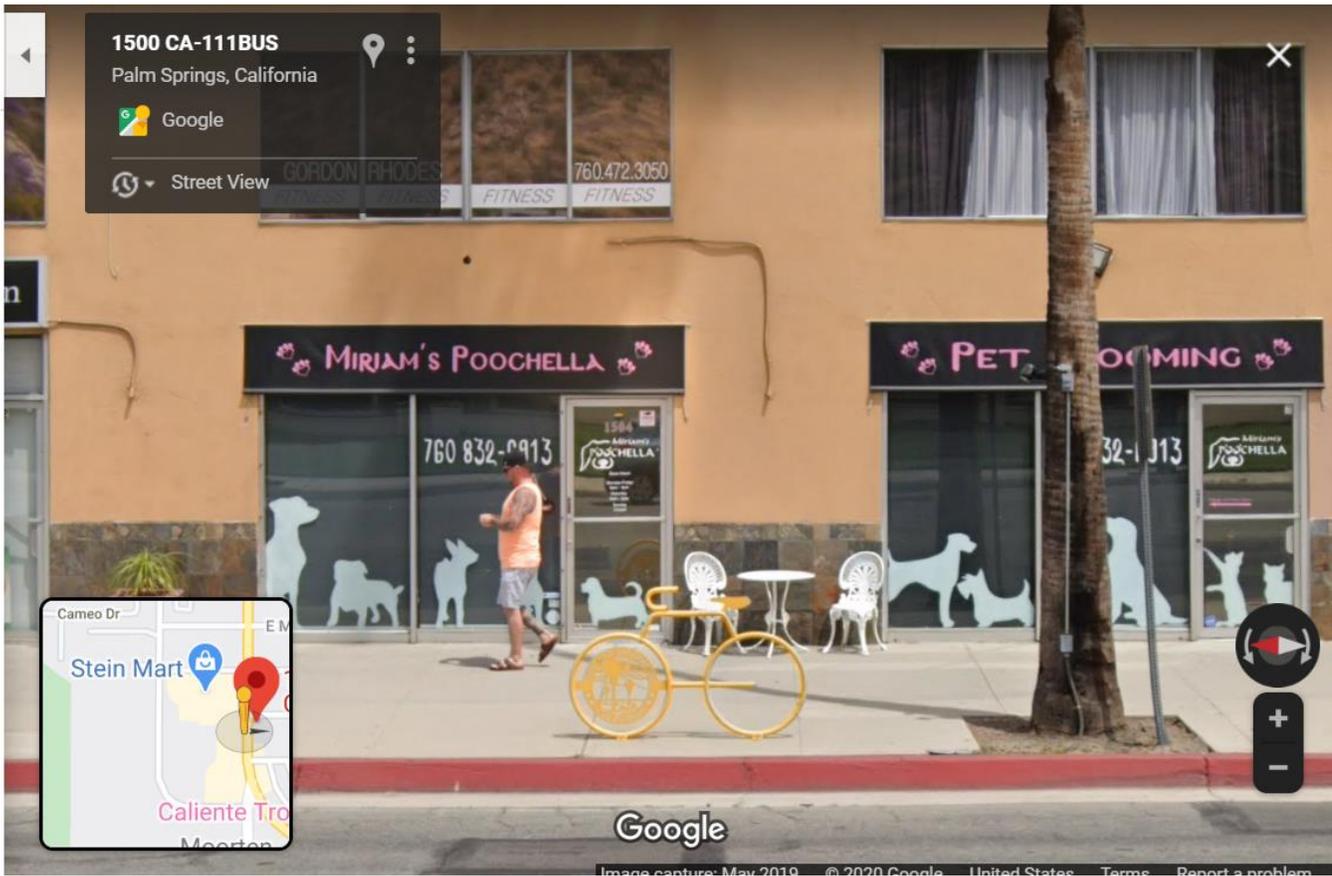
Destination PSP – 170 N Palm Canyon Drive



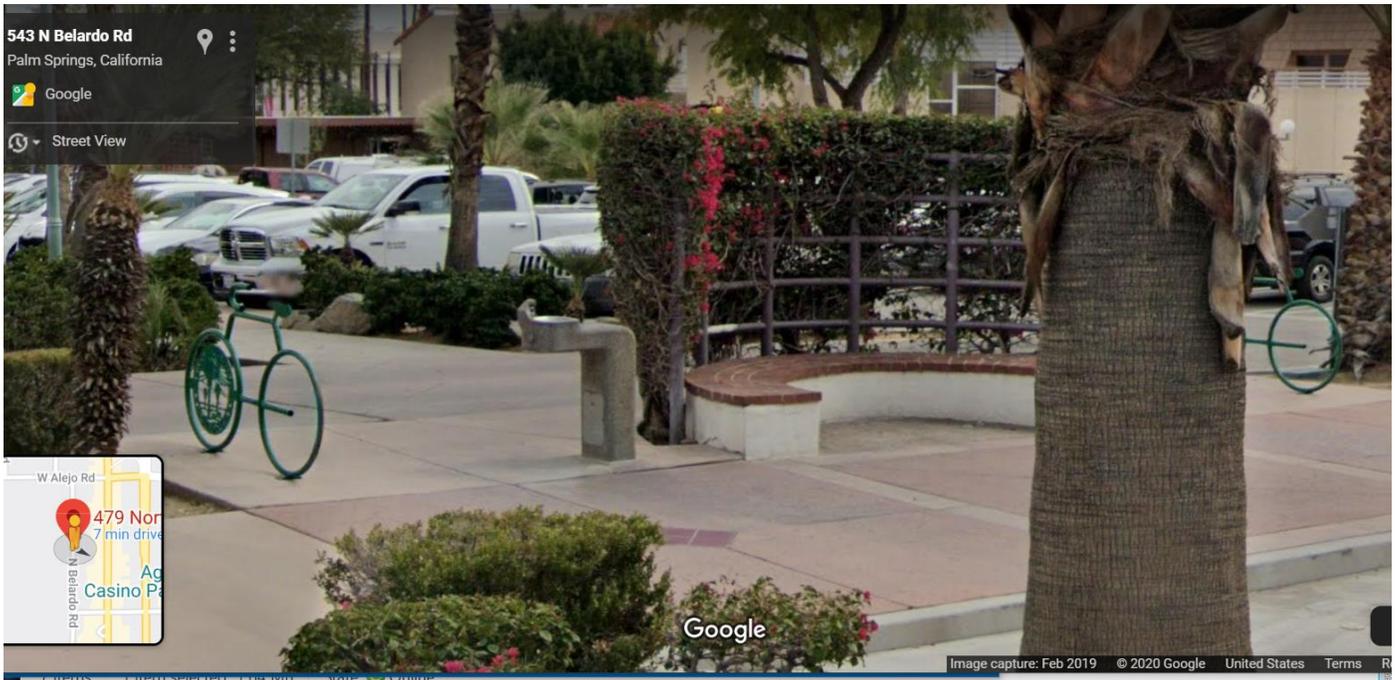
Camelot Theatre (Palm Springs Cultural Center)– 2300 E Baristo Road



Joy of Life Wellness Center – 142 W Oasis Road



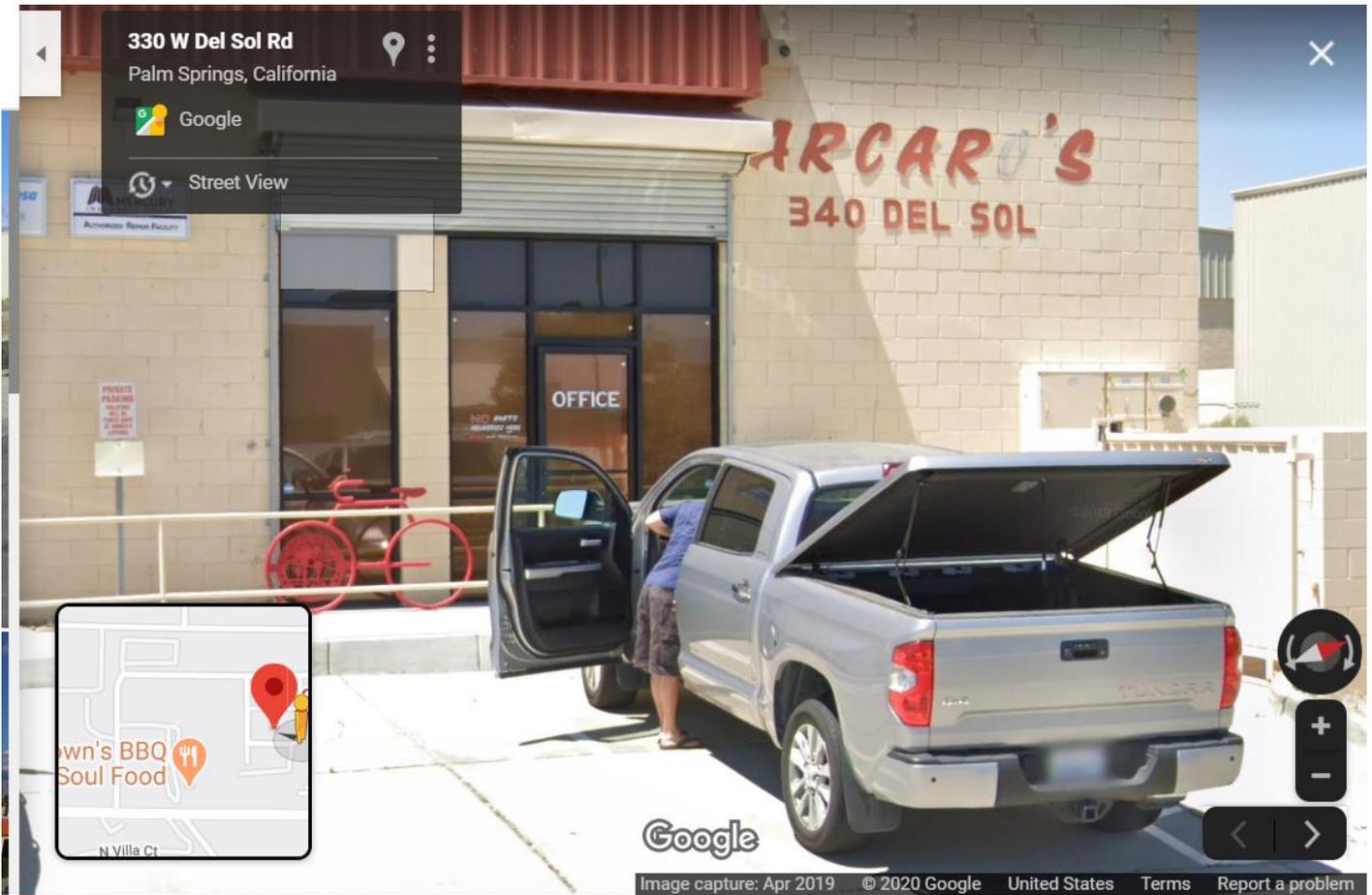
Miriam's Poochella – 1504 S Palm Canyon Drive



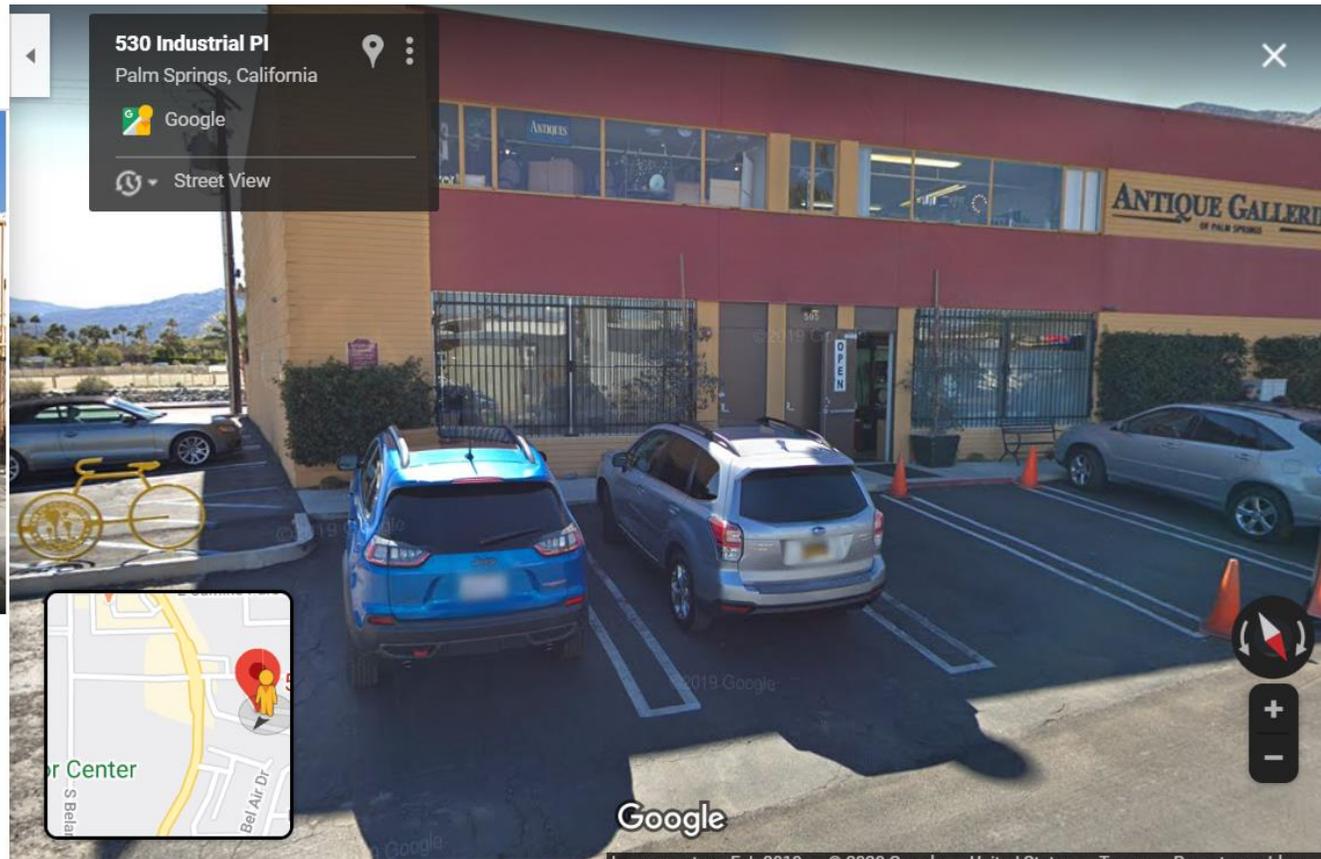
Heritage Trailhead – 479 N Belardo Road



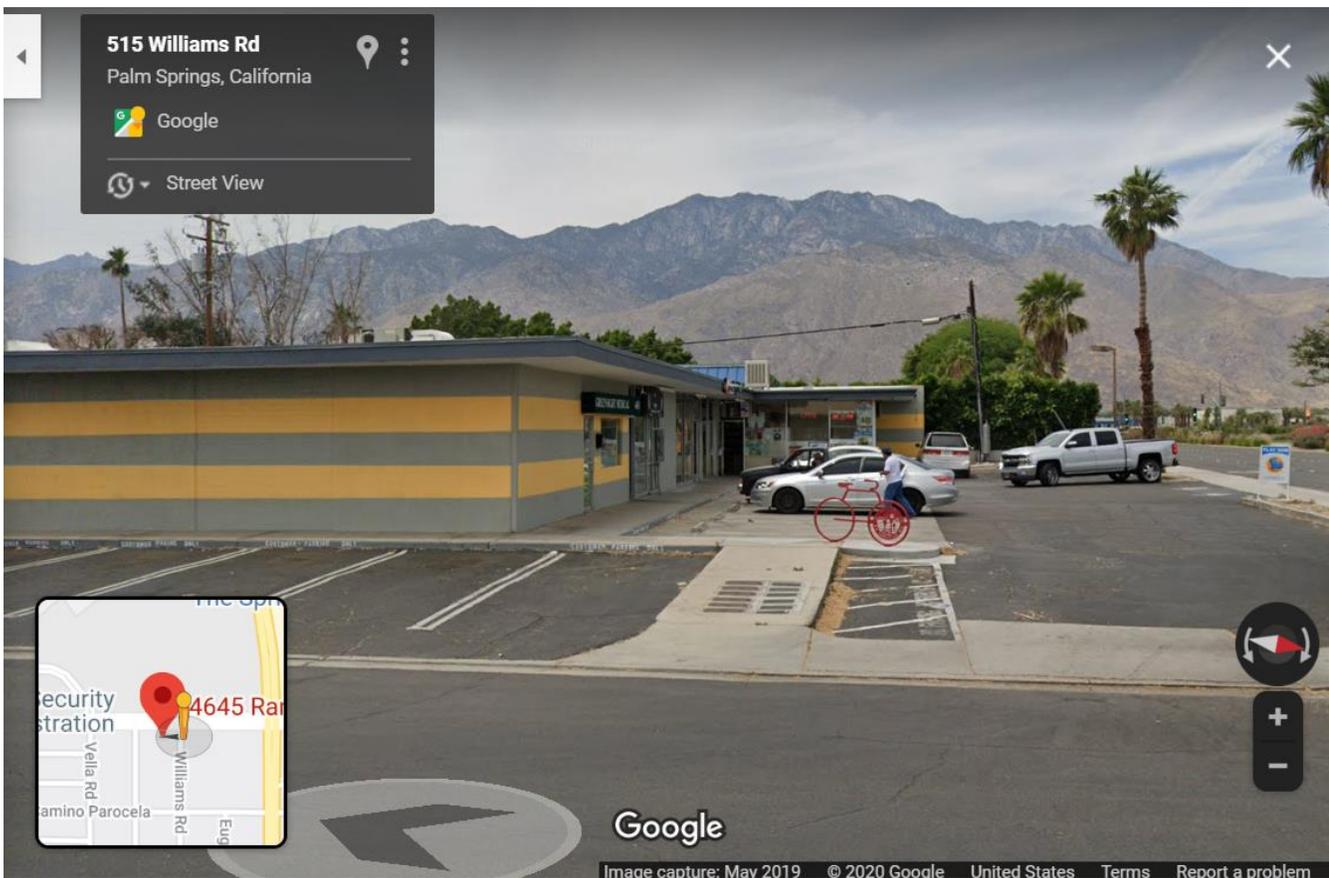
Trina Turk – 891 N Palm Canyon Drive



Arcaro's Auto Body Repair, Inc. – 340 Del Sol Road



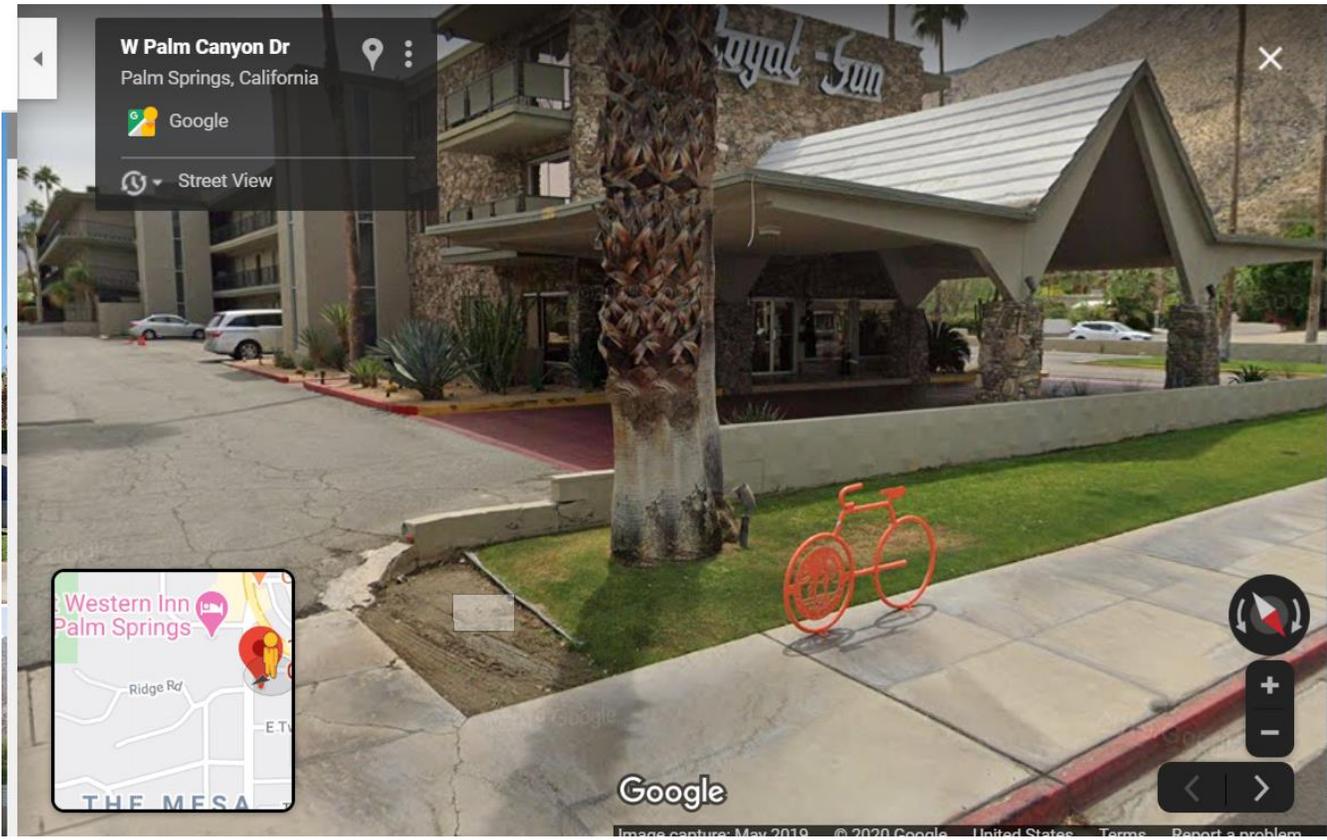
Antique Gallery Palm Springs – 505 E Industrial Place



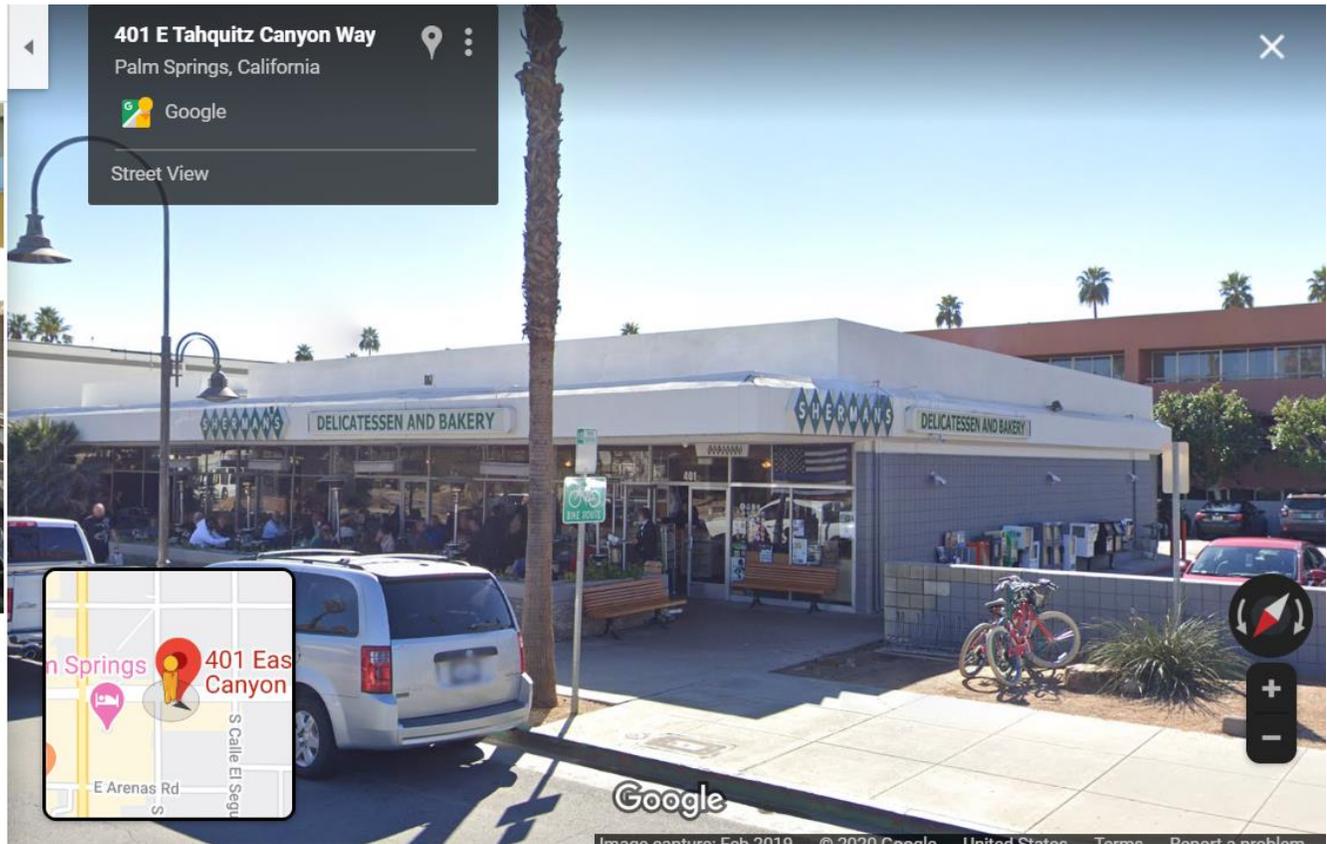
PS Landing – 4645 Ramon Road



Musicland Hotel – 1342 S Palm Canyon Drive



Royal Sun Inn – 1700 S Palm Canyon Drive



Sherman's Delicatessen – 401 E Tahquitz Canyon Way



650 On The Move – 1701 N Palm Canyon Dr Suite 8

City of  
Palm Springs, California  
Bike Rack & Outreach Program  
Fact Sheet

Racks installed	81
Bike Maps Distributed	14,000
Participating Businesses	68

*Bike racks and bike maps made possible in part through grants from the Mobile Source Air Pollution Reduction Review Committee (MSRC)*



In 2014, the City of Palm Springs started a program to expand biking infrastructure across the City. This included adding bike racks, bike lanes, and developing maps and brochures to share bike routes and bike safety information. This work was supported, in part, with funds from the Air Quality Management District's Mobile Source Air Pollution Reduction Review Committee (MSRC).

Through the latest MSRC contract for bike rack installation and outreach, the City focused on expanding its bike rack infrastructure and added 35 racks throughout the City. It also continued to improve its bike safety brochure and bike map to help residents and visitors navigate safely in and around our City. Over 14,000 of these brochures have been distributed during the life of the contract.

Increasing bike infrastructure facilitates more biking, which reduces the number of trips that people take by car. It also positions the City to apply for the "Bike Friendly City" designation, which will help promote more bike tourism and facilitate additional bike infrastructure funding.

The Office of Sustainability continues to encourage businesses to install bike racks and to promote biking in Palm Springs. More information about the bike rack program and a downloadable bike map and brochure can be found on the City's Sustainability Website [www.yoursustainablecity.com](http://www.yoursustainablecity.com) BIKING page.