

FINAL REPORT

CITY OF LA QUINTA

CONTRACT NO. ML 18142

ELECTRIC VEHICLE CHARGING STATIONS

Creative Lighting & Electrical, Inc.

September 21, 2021

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

ACKNOWLEDGEMENTS

The City of La Quinta wishes to acknowledge the Mobile Source Reduction Review Committee for its funding and program support and guidance.

This report was submitted in fulfillment of ML 18142 and Electric Vehicle Charging Stations by Creative Lighting & Electrical, Inc. under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of April 10, 2020.

DISCLAIMER

The statement and conclusion in this report are those of 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 & WORK PERFORMED

The scope of work for this project included purchasing and installing four Level II EV Charging Stations for the public to have access and construction of ADA ramps at the northeast corner of Washington Street and Highway 111 and in La Quinta Park. The City of La Quinta contracted

Creative Lighting & Electrical Inc. in February 2020 to complete the project. The contractor removed and replaced concrete and asphalt, installed conduits and wire as needed, constructed pedestals and installed EV Charging Stations. (Include Planning & Design)

PROBLEMS ENCOUNTERED

Several challenges were encountered in the project process. During the design phase, the commercial development originally identified in the City's grant application was no longer interested in participating. A secondary location at the La Quinta Park was identified as a heavily utilized public facility and a location that would benefit greatly from the EV charging stations. During construction, charging stations for La Quinta Park had to be relocated from original location, due to the proximity of the existing electrical infrastructure. This allowed the project stay within the identified budget and limit any possible additional trenching costs.

EMISSIONS BENEFITS

The charging stations will add on to the increasing growth of the electrical vehicle industry and reduce greenhouse gas emissions. Having more stations will also reduce the anxiety of existing electric car owner's battery running out while driving and not being able to access a nearby charging station.

PHOTOGRAPHS & OUTREACH

Public Outreach

City Staff has presented electric charging station project to the community in several formats throughout the project process as identified below.

Materials included:

- Dedicated electric charging station project information page on the City's website
- Include electric charging station project on the City's interactive project map
- Include project updates in the City's Items of Information emails
- Flyer to be distributed at City events

Events

Due to the COVID-19 Pandemic, community events were limited per state and local emergency mandates. We did, however, showcase the Electric Vehicle Charging Stations at City La Quinta events:

- We highlighted the Electric Vehicle Charging Stations as part of the City's State of the City presentation.

- We shared information at the City sponsored weekly farmer's market from October 2021 through May 2021 and annual City Picnic in April 2021
- We highlighted the project during community Earth Day events in April 2021

Presentations

City Staff discussed and presented the charging station project in several virtual forums and community meetings.

Virtual presentations included:

- City Council staff report presentation (September 2020)
- Annual Community Workshop presentation (January 2021)
- Cove Neighborhood Association meetings
- State of the City (October 2021)

Project Photos:

Highway 111 Location:





La Quinta Park Location:





SUMMARY AND CONCLUSIONS

In total four EV Charging Stations were purchased, installed, and completed by April 2020. There are two charging stations at the La Quinta Park, both have the Share2 Option that can each charge two vehicles at the same time. At the northeast corner of Washington Street and Highway 111 one station can charge two vehicles at the same time and the other can charge one at a time.

The EV charging stations have been well received and heavily utilized by the community. Lessons learned from this project include the need for an overall charging station master plan in the City of La Quinta. This would help identify future project locations and potential field challenges prior to construction. The City has re-engaged its focus on expanding the EV charging stations available at public facilities and has identified the priority to include them in our City Maintenance and Operations Yard as a future project.