



STAFF REPORT

TOWN COUNCIL MEETING OF JANUARY 12, 2015

To: Town Council

From: Rick Angelocci, Town Manager
Chris Graham, Town Planner

Subject: EV Charger Purchase and Installation using funds from the Loomis Community Transit Enhancement-Multi-Modal EV Charging Station Project Funding Agreement

Date: December 29, 2015

RECOMMENDATION:

Staff recommends that the Town Council approve the purchase of two Dual Port Level 2 EV Chargers from Clipper Creek and use a "No-Network" System to be installed in the Multi-Modal Parking Lot (Please see Figure 1 for proposed location). Four parking stalls will be required to install the two Dual Port Level 2 EV Chargers with the first stall being developed with ADA space considerations. Staff also recommends that the Town Manager be authorized to hire Phil Haupt Electric to install the EV Chargers in the Multi-Modal Lot, as this company is local and has been installing EV Chargers in various locations near Loomis. Staff further recommends that installation of the EV Chargers occur only in the Multi-Modal Lot as specified by the funding agreement received from the Placer County Transportation Planning Agency (PCTPA). Finally, Staff has identified certain dates when events will be held at the Multi-Modal Lot where access to the EV Chargers will not be available. These events include:

- Eggplant Festival
- Christmas Tree Lighting
- Mandarin Orange Run

Staff recommends the Town access and use PlugShare.com (a free web based site) where the EV Charger location, dates/time of public accessibility (such as the dates of events described above), and EV Charger type can be broadcast to the general public.

DISCUSSION:

The Town of Loomis has received funding from the Placer County Transportation Planning Agency (PCTPA) in the sum of \$51,366 to install electric vehicle charging stations as part of the Loomis Community Transit Enhancement – Multi-Modal EV Charging Station Project. The Town of Loomis will install EV Chargers in the Multi-Modal lot to allow consumers easy access to charge electric vehicles as they visit the Town.

Staff has contacted various EV Charger manufacturers to find out the type of charger that would be appropriate for installation at the Multi-Modal Lot. There are three types of EV Chargers that are generally installed for the type of use the Town is looking at and the location where installation is proposed, including: a. Level 1 EV Charger; b. Level 2 EV Charger; and, c. Level 3/DC Fast Charger.

A Level 1 EV Charger is equivalent to plugging your car into an ordinary electrical outlet found in homes/businesses. This charger provides 110 volts or 15-30 amps and provides a charging rate for vehicles of around 6 miles per hour charged. A Level 2 EV Charger provides charging on a 240 volt system that requires a dedicated 40 amp circuit. This type of charger is compatible with all electric vehicles including electric-hybrid vehicles. Level 2 EV Chargers typically provide vehicles with a 12 to 30 mile range per hour they are charged (mileage depends on the car manufacturer type) and generally takes 4 to 6 hours to completely charge a fully depleted battery on a vehicle. Level 3 EV Charger (this system is also known as a DC Fast Charger) systems use 480 volts to charge a vehicle through a direct current plug. Level 3 chargers can provide an 80 percent charge in thirty minutes on most vehicles.

Upon discussion with EV Charger Manufacturers and consultation with local electric vehicle charging support groups the Dual Level 2 EV Charger is recommended for the type of EV Charging use the Town will install.

Table A, below, provides names of companies selling EV Chargers and the cost of Dual Port Level 2 Chargers. Staff contacted several companies to determine the purchasing cost of the EV Chargers for the Town.

Table A: EV Charger Cost

EV Charger Company	Dual Port Level 2 Charger Cost	Model Number
Juice Bar	\$4,999.00 per EV Charger	MB402 1.0 Mini Bar Double
Eaton	\$4,200.00 per EV Charger	SBR3BX000000
Clipper Creek	\$1,564.00 per EV Charger	HCS-40 with ProMountDuo pedestal
TurboDock - Aerovironment	\$3,097.00 per EV Charger	20088-020, Dual Ped

EV Chargers are installed as either a “No-Network” system or a “Network” system. The “No-Network” system is not connected to a network of any kind and the EV Charger usage is free to the consumer. Costs associated with this type of system include purchasing the EV Chargers, installation of EV Chargers into the existing electrical grid system, maintenance of the machines, and electrical costs associated with running the machines. Typically no revenue is generated from this type of system; however, the availability of free EV charging points will increase visits to the Town thus potentially increasing revenue at local businesses.

Several cities near the Town of Loomis have installed EV Chargers for the public to use. Staff contacted the City of Roseville to get information on the type of EV Chargers their City purchased, if the City is using “Network” or “No-Network” systems, and the type of revenue stream the City receives. The City of Roseville installed Chargepoint EV Chargers at the Westfield Galleria and at the corner Oak Street and Washington Boulevard in the downtown area in July 2011. The City of Roseville is using a “No-Network” System and is providing free charging to customers as a courtesy.

Installation of EV Chargers and Public Notification

Staff contacted several local contractors two of which came out to the Multi-Modal to provide an estimate for installation. REJ Electric, Inc. provided an installation estimate (as shown in Attachment E) of \$13,966.00. Phil Haupt Electric provided an installation estimate (as shown in Attachment F) of \$9,480.00. Both of these estimates only include installation and do not include the purchase price of the EV Charger units.

Installation of the two dual EV Chargers will require the use of four parking stalls in the Multi-Modal Lot, one of which will be required to be developed under ADA Compliance standards (at least 9 feet in width with adjacent 5 foot wide aisle on passenger side).

Once the EV Chargers are installed in the Multi-Modal Lot the public visiting the Town of Loomis will have the opportunity to charge their electric vehicles while spending time in the "Downtown" area along Taylor Road. Signage will be installed by the Town to notify the public that EV Charging Stations are available at the Multi-Modal Lot. The opportunity also exists for signage to be funded by Caltrans (through Caltrans "Plug-in Electric Vehicle Charging and Hydrogen Station Signage for the State Highway System" please see Attachment G) along the I-80 Corridor indicating to drivers of the location of an EV Charger Station in the Town. Finally, the Town will use PlugShare.com (a free web based application) to identify the location, type, and hours the EV Charging Stations will be available to the public.

CEQA: The Project would be processed as a Categorical Exemption (CE) under Section 21080 of the Public Resources Code and CEQA Guidelines Section 15300.1 Relation to Ministerial Projects.

Financial Implications:

All funding for the chargers and installation will come from the PCTPA grant for electric vehicle charging station installation at the Multi-Modal Parcel. Total cost is estimated to be less than \$13,000. The remaining funds would be returned to PCTPA.

FIGURES:

Figure 1 –EV Charger Proposed Location

ATTACHMENTS:

Attachment A: Juice Bar EV Charger Brochure

Attachment B: Eaton EV Charger Brochure

Attachment C: Clipper Creek EV Charger Brochure

Attachment D: TurboDock-Aeroenvironment EV Charger Brochure

Attachment E: REJ Electric Inc. Installation Estimate

Attachment F: Phil Haupt Electric Installation Estimate

Attachment G: Caltrans "Plug-in Electric Vehicle Charging and Hydrogen Station Signage for the State Highway System"



FIGURE 1



juice bar[®]



Mini Bar™ Double

2-Level 2 Chargers &
4-Level 1 Charge Connections

PREMIUM ELECTRIC VEHICLE CHARGING PRODUCT & EXPERIENCE



Model numbers:
MB402-1.0 Mini Bar Double
MB402C-1.0 Mini Bar Double
with optional communication & POS

Mini Bar - Technical Specifications	
Two Level 2 Chargers & Four Level 1 Charge Connections	
Certifications	IP Rating
ETL Listed	NEMA 3R
AC Input From Utility – Level 2	Operating Temperature
Voltage 208/240 VAC	-30° C to 55° C
Breaker Rating 40A – requires 2	(-22° F to +122° F)
AC Output to Vehicle – Level 2	Communications
Voltage 208/240 VAC	Ethernet
30A each side	
AC Input – Level 1	
Voltage 120 VAC	
Breaker Rating 20A – requires 2	
Dimensions	
60" total height with Pedestal	16" Width
36.5" total height w/out Pedestal, as wall mount option	12 3/8" Depth
Connector – Level 2	Cord Length
SAE compliant J1772 Connector	23 feet
Unit Material	
Powder Coated Aluminum	Pedestal is Powder Coated Steel

Pedestal or
Wall Mount Option

Garage Juice Bar LLC
One Technology Drive
Tolland, CT 06084
860-308-2054

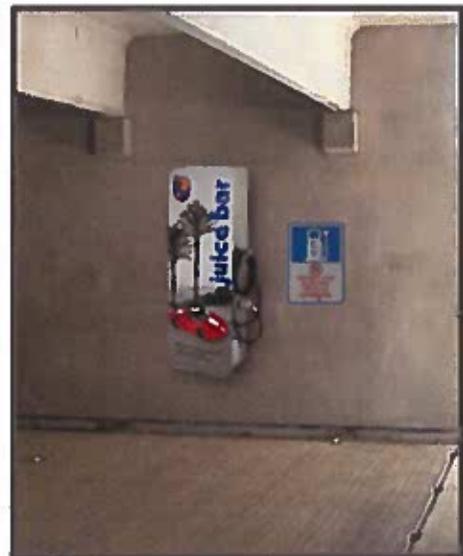
Mini Bar Features



- Innovative
- Illuminated
- Customizable
- Wall Mount or Pedestal
- Weatherproof/Indoor/Outdoor Use
- Premium Product & Experience
- LED indicator lights
- Visually appealing – Attracts Attention
- Cut down on installation costs, 6 charger connections one installation
- 3 Year Limited Warranty on Level 2 charging component, 1 Year Limited Warranty on rest of components
- Customer Service – US based company
- Maintenance Programs Available
- Communications & Point of Sale System (optional)
 - Open standards – based solution
 - Highest level of choice to site hosts
 - Flex pricing – different prices for time of day & day of week
 - Remotely monitor all EV charging experiences
 - No more RFID cards, use QR scan code or input station id
 - Mobile App with many features

Fully
Customizable for
branding,
sponsors &
advertising

Pedestal or
Wall Mount



AC Level 2 electric vehicle charging station

The most robust, flexible offering of EVSE on the market



Overview

As the number of electric vehicles (EVs) on the road grows, electric vehicle supply equipment (EVSE) is in high demand among EV drivers. Electric vehicle owners require a robust network of charging infrastructure to increase their travel radius and reduce range anxiety. Public charging infrastructure allows EV drivers to charge their vehicles while on the go, and allows businesses to increase their visibility and foot traffic.

Eaton's AC Level 2 electric vehicle charging station is the ultimate electric vehicle charging solution for commercial and fleet applications, street-side parking, parking garages and parking lots. Available in 30A, 48A and 70A configurations, the Level 2 charging station enables fast and convenient electric vehicle charging, with the ability to supply a vehicle's on-board charger with electricity to charge the vehicle's battery in as little as 4 hours [Ⓢ]. The station has a NEMA[®] 3R rated aluminum enclosure with a powder-coat paint and metallic silver finish for durability and long life, suitable for both indoor and outdoor use.

Flexibility and upgradeability

Whether you have a fleet of electric vehicles or want to provide a place to plug in away from home, Eaton has an electric vehicle charging station targeted to meet your commercial needs.

Available in both wallmounted and freestanding pedestal configurations, Eaton's AC Level 2 charging stations are designed with the growing market in mind. Each charging station has a removable device panel and standard interior layout that enables on-site upgradeability as your application needs change. Charging stations can be easily upgraded to provide station owners with access control, payment options, data acquisition options and networking to increase both ease of ownership and ease of use.

[Ⓢ] Charge time is dependent on the vehicle's battery size and on-board charger rate.



EATON

Powering Business Worldwide



User safety

Eaton's AC Level 2 charging station uses the standard SAE J1772™ connector to ensure compatibility with electric vehicles on the road today. When the driver connects the J1772 connector to the vehicle, the charging station confirms that it is an electric vehicle by "waking it up" and communicating through one of the pins in the connector. Until the connection between the vehicle and the EVSE is confirmed, the five pins on the connector have no AC power. The EVSE also has integral ground fault monitoring capabilities with an automatic reset function to provide protection from potential power outages. Eaton charging stations have been tested to ensure compliance with all applicable UL® and CSA® safety standards for EVSE.



Customized management

Eaton's Level 2 charging stations can be integrated into a building's existing energy management system via standard Modbus® RTU, which enables the station owner to receive usage statistics and manage deployment of charging stations remotely. Refer to Communications Guide PA191003EN for more details.



Payment options and access control

Eaton has thoughtfully selected a wide range of access control and payment options to support a successful deployment of charging stations. These options can be factory-installed on the charging station, or field-upgraded at a later date. Access control and payment options include but are not limited to:

- Outdoor-rated credit card swipe
- Locally managed secure access RFID



Installation

Installation of the Level 2 EVSE can be performed easily by any qualified electrician. An electrician can also verify whether the size of the branch circuit is correct per NFPA® 70 and NEC® 625.14 (USA) and CEC Part 1, Section 86 (Canada) standards. Eaton manufactures all products that may be needed to support an electrical system upgrade if it is required for installation. Eaton's Engineering Services and Systems (EESS) team of electrical engineers is available nationwide and can be augmented by Eaton's network of national, local and specialty certified electrical contractors.

Eaton's Certified Contractor Network is a national network of highly qualified electrical contractors who work with Eaton to provide personalized, professional service. These contractors are given the best training and certification in the EV marketplace. They learn specific technologies involved in EVSE installation, products and services to ensure safety and quality, from the charging stations themselves to becoming ChargePoint-certified.

For more information, visit www.eaton.com/plugin, call 1-855-ETN-EVSE (1-855-386-3873), or call your local Eaton sales office.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Electrical Sector
Canadian Operations
5050 Mainway
Burlington, ON L7L 5Z1
Canada
EatonCanada.ca

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Eaton is a registered trademark.

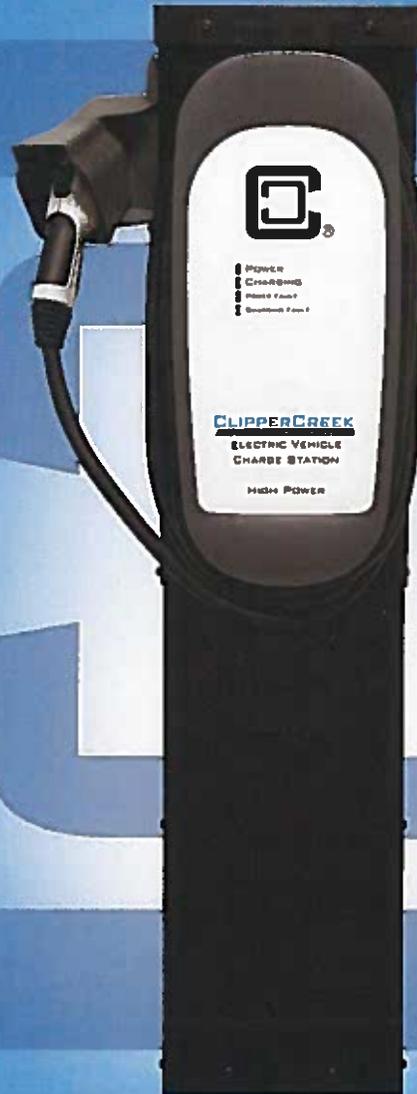
All other trademarks are property of their respective owners.

For more information about Eaton's electric vehicle solutions, scan this QR Code



ProMountDuo™

UNIVERSAL CHARGING STATION PEDESTAL



\$434 PEDESTAL
\$999 WITH STATION
AS SHOWN

RUGGED, UNIVERSAL, ECONOMICAL. Mount one or two ClipperCreek electric vehicle charging stations on our ProMountDuo™ pedestal for a cost effective mounting system.

- **LOW COST** - Minimize installation costs and mount one or two units on a single pedestal
- **UNIVERSAL**- Ready for multiple ClipperCreek EVSE product lines
- **RUGGED** - Powder coated galvanized steel pedestal paired with NEMA 4 fully sealed charging stations ensure protection from the environment
- **FLEXIBLE**- Comes equipped with two knockouts positioned for a 120V outlet
- **RELIABLE** - Backed by ClipperCreek's one year warranty and excellent customer service team



ClipperCreek.com

ProMountDuo PMD-10 UNIVERSAL PEDESTAL

PRODUCT OVERVIEW

FEATURES

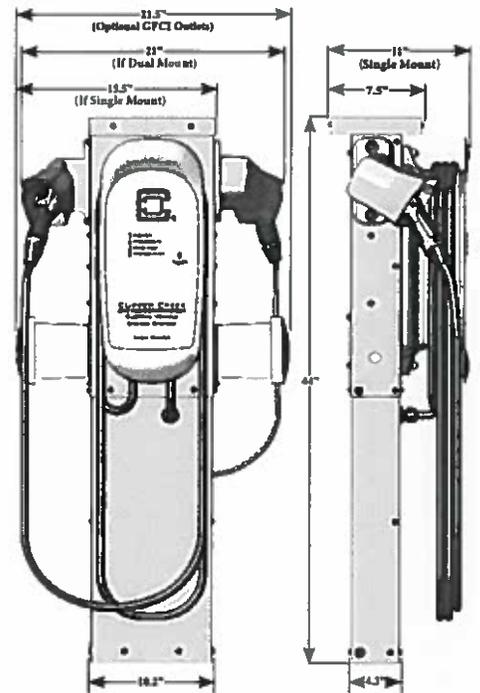
- Slim, modern profile
- Supports two stations and two 120V outlets per pedestal
- Compatible with ClipperCreek ACS, HCS and LCS product lines
- Operates as a single or dual mount pedestal with no additional kit necessary for two stations
- Galvanized and powder coated steel for environmental durability
- Pedestal doubles as an electrical raceway with two grounding lugs
- ADA height and reach compliant

OPTIONS AVAILABLE

- 120V Ground Fault Receptacle Kit Optional (0300-06-000)

PARTS INCLUDED

- Pedestal
- All the hardware needed to mount up to two EVSEs



Multiple Configurations Possible



Single ClipperCreek
HCS EVSE



Single ClipperCreek
LCS/ACS EVSE

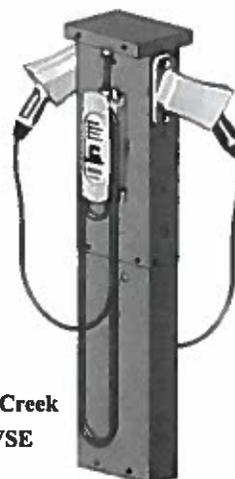


Combo ClipperCreek
HCS and LCS/ACS
EVSE

Dual ClipperCreek
HCS EVSE



Dual ClipperCreek
LCS/ACS EVSE



HCS-40



**PEDESTAL MOUNT
AVAILABLE SEPARATELY**

A REAL PRODUCT, FOR THE REAL WORLD. The HCS-40 from ClipperCreek is designed to take the wear-and-tear of everyday use in all environments. It's tough NEMA 4 outdoor rated enclosure ensures you can install this unit anywhere with confidence.

- **FAST CHARGING** - 7.7kW of power to charge your vehicle quickly
- **QUALITY** - Technology that works for the life of your current plug-in vehicle and then some
- **CONVENIENT** - 25 feet of charging cable for installation and operation flexibility
- **DURABLE** - Rugged, fully sealed NEMA 4 enclosure for installation anywhere
- **RELIABLE** - Backed by ClipperCreek's 3-year warranty and outstanding customer service



ClipperCreek.com

HCS-40

PRODUCT OVERVIEW

Call ClipperCreek Today!

877-694-4194

www.clippercreek.com



**HOLSTER
INCLUDED!**

ELECTRICAL SPECIFICATIONS

- **Service** - 208V to 240V - 40A, dedicated circuit
- **Charge current output power** - 208V to 240V - 32A max
- **Service ground monitor** - Constantly checks for presence of proper safety ground
- **Automatic circuit reclosure after minor power faults**
- **Charge Circuit Interruption Device** - Ground fault protection with fully automated self-test, eliminates manual user testing

MATERIAL SPECIFICATIONS

- Indoor/outdoor rated fully sealed (NEMA 4) enclosure
- Operating Temperatures: -22°F to 122°F (-30°C to 50°C)
- 19.7" L x 8.9" W x 5.3"D (500mm L x 225mm W x 135mm D)
- Installation: Hardwired or plug connected
- 25 feet charging cable - standard
- Wall mount connector holster included
- ETL Listed



AVAILABLE AS A PLUG-IN model: HCS-40P

Plugs Available: NEMA 14-50 and NEMA 6-50

CODES, STANDARDS and RECOMMENDED PRACTICES

- **UL 2594** Electric Vehicle Supply Equipment
- **UL 2231** Personal Protection Device (i.e., CCID Hardware)
- **UL 1998** Standard for Safety-Related Software
- **NEC 625** Electric Vehicle Charge System
- **SAE-J1772™** Electric Conductive Charge Coupler



TurboDock™

The Next Generation of EV Charging

LOW COST AND EASY-TO-USE COMMERCIAL AND WORKPLACE CHARGING SOLUTIONS WITH ACCESS CONTROL



Simple Access Control.

Broadcasting TurboDock uses Bluetooth Low Energy (LE) for access control*, eliminating the need for costly annual fees.



Modular.

Maximum flexibility for a wide variety of parking configurations. Scales easily with growth.



Configurable.

Set up each charger for either Open Access, one code for all drivers or individual codes for each driver. You decide.



Upgradeable.

Easily download future software upgrades right from the smartphone app.

MODEL	TURBODOCK
VOLTAGE	120VAC/240VAC
OUTPUT POWER	16 Amps continuous @120VAC 16 Amps continuous @240VAC
CIRCUIT BREAKER RATING	20 Amps @120VAC 20 Amps @240/208VAC
FREQUENCY	60Hz
CABLE LENGTH	20 ft. (6.1 m)
WEIGHT (MODULE)	5.5 lbs (2.5 kg)
WEIGHT (MOUNTING OPTIONS)	28.5 lbs. (12.9 kg) - pedestal kit 2.5 lbs (1.1 kg) - wall mount
OPERATING TEMPERATURE	-40C to +50C (-40F to 122F)
INDOOR / OUTDOOR	Yes NEMA 3R
CHARGE COUPLER	SAE J1772 compliant
CERTIFICATION	UL and cUL

TurboDock is a commercial/workplace charging station with Bluetooth enabled access control. Now you can easily control access to your charging stations right from your smartphone. TurboDock's modular nature gives you the option to mount up to 4 chargers per pedestal and up to 2 chargers per wall-mount. It also allows you to conveniently expand the number of chargers over a period of time. TurboDock is sized perfectly for recharging Plug-In Hybrids and EVs in <4 hours at Level 2 (16 Amps/240VAC) optimizing your electrical service. It can also be configured to charge at Level 1 (16 Amps/120VAC), if you desire.

TurboDock is configurable to provide simple access control however you want. You can give universal access code to all users or an individual access code per user. Or you can leave TurboDock for open access. With the app, you can easily switch between Access Control and Open Access at the flick of a button. Finally, TurboDock is upgradeable so next generation software can easily be downloaded through the smartphone app.



*Phone must support Bluetooth 4.0 found in iPhone 4s or newer, Touch 5th Gen, or Android device 4.3 or later.

EV Charging Made Easy.
Learn more at TurboDock.com



AeroVironment™ EV Solutions™ 181 W. Huntington Dr., Suite 202, Milpitas, CA 95016
P: 888-524-6373 | turbodock.com | evsolutions.com | ev@avinc.com





HOW IT WORKS

1

INSTALL CHARGERS

Choose your mounting configurations and decide where you want your units to go. Have a licensed, qualified electrician install them. AV can provide installation upon request.

2

DOWNLOAD APP & ACTIVATE ACCESS CONTROL

Download the "TurboDock" app in your App Store. Go to your charger, launch your app, then follow the instructions in your Quick Start Guide to set up each charger. (Chargers are delivered in open access mode, so they can be used immediately after installation without using the app.)

3

ASSIGN PINS & LET YOUR DRIVERS KNOW

Once you assigned at least one User PIN to each charger, you can let your Plug-In Hybrid & EV-driving employees know their User PIN and how to download the app.

4

READY TO CHARGE!

After launching the TurboDock app and selecting an available charger, drivers can enter their User PIN. TurboDock™ will then be ready to charge. It's that easy!

MOUNTING CONFIGURATIONS



Additional dual and tri-pedestal mounting options are also available. Contact us for more information 888-524-6373 or email ev@avinc.com



Quote

EST-001064

REJ Electric
 1151 Harbor Bay Parkway
 Alameda CA 94502
 U.S.A

Ship To
 Town of Loomis
 Train Depot Parking Lot
 Loomis
 CA

Estimate Date : 03 Dec 2015
 Expiry Date : 02 Jan 2016

#	Item & Description	Qty	Rate	Amount
1	Install Clear and consolidate panel space to accommodate new breakers for EV charging. Trench from panel to station locations and run EMT and/or PVC conduit as necessary from panel to install locations. Build concrete bases at both install sites. Pull wire from panel to charger locations. Complete assembly, install, and programming of EV stations.	1.00 Quantity	10,611.00	10,611.00
2	Blocking Bollards - In Ground 4 ft blocking bollard in front of station to prevent damage. (Optional)	2.00 Each	690.00	1,380.00
3	Parking Space Painting Paint designated EV charging stalls (Optional)	4.00	350.00	1,400.00
4	Sign - Dirt/Grass Post-mounted sign installed in dirt or grass (Optional)	2.00	287.50	575.00
			Sub Total	13,966.00
			Total	\$13,966.00

Notes

Thank you for supporting a local small business.

Terms & Conditions

- 25% deposit required prior to pulling permits. Quote is valid dependent on approval of plans and permits for work as initially proposed in this quote. Any fees or permits required to comply with local municipality parking regulations or ADA regulations are an additional cost not included in this estimate. Any changes required to secure permitting may result in additional cost if they change the nature or scope of work.

- Install price contingent on conduit check showing that conduit is clear and usable. Any blockage will require a change order to cover the cost of removing any blockages prior to moving forward with installation.



5098 Foothills Blvd., Suite #3-358
Roseville, CA 95747
Phone: 916-782-3128 Fax: 916-782-3630
CA License # 859583

January 5, 2016 - Revised

Chris Graham, Planner
Rick Angelocci, Town Manager
Town of Loomis
3665 Taylor Road
Loomis, CA 95650

RE: Installation of Electric Vehicle Charging Stations

Dear Chris and Rick,

Thank you for the opportunity to provide you with this proposal.

Phil Haupt Electric shall supply the following to share in the success of this project: All labor, materials, equipment, and services for a complete electrical installation of the following:

Inclusions:

- Provide and install conduit and wiring for the installation of two (2) dual port EVSEs. Electric Vehicle Charging Stations to be located in the multi-modal parking lot
- All trenching as required
- Paint striping
- Signage
- Install four bollards (two at each location)
- Drawings

Exclusions:

- Outlets or circuitry other than shown
- Electric Vehicle Charging Stations to be provided by others
- Permit and inspection fees

Signage and paint striping	\$1,000.00
Labor and material	\$8,480.00
TOTAL PROPOSAL PRICE	\$9,480.00

Thank you once again, and I look forward to working with you on this project.

Sincerely,
Phil Haupt
Phil Haupt Electric, Inc.

Plug-in Electric Vehicle Charging and Hydrogen Station Signage for the State Highway System

Background

In 2013, the Governor's Office oversaw the development of the California Zero Emissions Vehicle Action Plan, a set of strategies to improve transportation system access for alternative fuels vehicles. According to the plan, the California Department of Transportation (Caltrans) should install signage along highway corridors to provide directions to Plug-in Electric Vehicle (PEV) charging and hydrogen fuel stations. In order to meet this recommendation, Caltrans has developed a Traffic Operations Policy Directive (13-01) to clarify where PEV charging and hydrogen fuel stations signs will be installed on the State Highway System (SHS).



Figure 1

Prior to adopting a uniform standard for the EV charging station sign, multiple versions were used. However, since March 14, 2013, the sign in Figure 1 is the standard version authorized in the California Manual on Uniform Traffic Control Devices (CA MUTCD).

Policy

Caltrans will pay for PEV charging and hydrogen fuel station signs on State right-of-way if the applicant for the charging and fueling station sign meets the following requirements:

- The charging station is within 3 miles of the State Highway System (driving distance), and is available to the public at least 16 hours a day.
- The applicant has already provided trailblazer (follow-up) signs on the local streets and roadways.

Once Caltrans verifies that the applicant meets these requirements, Caltrans purchases and installs signs directing hydrogen fuel and PEV drivers to charging stations only within 3 miles of the State Highway System. The associated costs for requesting an encroachment permit and signs on local streets are the applicant's responsibility. Caltrans is only responsible for installing signs on the State Highway System.

The applicant may contact Caltrans sign coordinators and ask for sign installation on the State Highway System. Please refer to the following list for contact information for coordinators for each District for sign installation:

District	Location	Coordinator	Telephone	Email	Fax
1	Eureka	Deb Meredith	(707) 445-6379	deb_meredith@dot.ca.gov	(707) 441-5826
2	Redding	James (Bill) Gibson	(530) 225-3472	james.gibson@dot.ca.gov	(530) 225-3299
3	Marysville	Nik Beach	(530) 741-5757	nik.beach@dot.ca.gov	(530) 741-5762
4	Oakland	Julie De La Cruz	(510) 286-4633	julie.dela.cruz@dot.ca.gov	(510) 286-4618
5	San Luis Obispo	Mark Bewley	(805) 549-3026	mark.bewley@dot.ca.gov	(805) 549-3045
6	Fresno	Nicolas Esquivel	(559) 488-4118	nicolas.esquivel@dot.ca.gov	(559) 445-6878
7	Los Angeles	Abbas Aalem	(213) 897-0299	abbas.aalem@dot.ca.gov	(213) 897-8266
8	San Bernardino	Chuck Favel	(909) 388-7135	chuck.favel@dot.ca.gov	(909) 383-5903
9	Bishop	Joel Nash	(760) 872-5247	joel.nash@dot.ca.gov	(760) 872-5253
10	Stockton	Juan Valenzuela	(209) 948-7956	juan.valenzuela@dot.ca.gov	(209) 948-7651
11	San Diego	Laure Wellman	(619) 688-6664	laure.n.wellman@dot.ca.gov	(619) 688-3231
12	Irvine	Avinder Chawla	(949) 724-2790	avinder.chawla@dot.ca.gov	(949) 724-2938
Headquarters	Sacramento	Don Howe	(916) 654-2634	don.howe@dot.ca.gov	(916) 653-3055