

**EVCS Proposal for the City of La Habra**  
**-One (1) ChargePoint Dual-Port Level 2 & One (1) Level 3 DCFC Charging Station-**

**NJPA #:** 0510170-CPI  
**VVD's DIR #:** 1000025785

**Date:** June 24, 2020

**Location:**  
City of La Habra, City Hall  
110 E La Habra Blvd, La Habra, CA 90631

**Submitted to:** City of La Habra  
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**Description:**

The labor and materials to supply and install one (1) Level 2 ChargePoint CT4000 dual-port EV charging station and one (1) Level 3 CPE250 DC fast charger. This quotation considers the cancellation of a second Level 2 dual-port charging station.

CHARGING STATION MOUNTING TYPE(S): BOLLARD/Floor  
NUMBER OF LEVEL 2 CHARGERS: 1 (DUAL)  
NUMBER OF LEVEL 3 CHARGERS: 1

**Price Breakdown:**

Redesign/Resubmittal	\$1,450.00
Electrical/Construction, Labor and Material	\$53,563.00
Level 2 EVCS and Service(s)	\$11,361.00
Level 3 EVCS and Service(s)	\$62,870.00
CT4000 Restocking	<del>—\$1,642.00</del>
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<b>Total Price:</b>	<b>\$129,244.00 (tax included)</b>

**Electrical/Construction, Labor and Material Includes:**

- Project management and site planning, engineering, and designing for any necessary permit acquisitions, and design revisions.
  - Permit acquisitions also include the plan checking, and inspection processes (not including actual plan check fee, permitting and/or inspection fees) as required by the authorities having jurisdiction.
- Prevailing wages.
- Standard 1-year warranty including parts and labor for any defect in manufacturing or workmanship.

- Perform Site Validation survey (SVS) as required by ChargePoint, Inc. prior to activation of stations. SVS fee to ChargePoint, Inc. discounted when using ChargePoint, Inc. Certified Installers.
  - Standard electrical power consistency evaluation: circuit breaker and electrical panel evaluation.
  - Cellular network communications test: test for consistency of cellular signal strength.
  - Charging station evaluation: consistent voltage, amperage, ground, network communication.

#### ELECTRICAL EQUIPMENT UPGRADE

- Supply and installation of one (1) new 75KVA transformer to provide adequate power and proper voltage rating for EVCS use.
  - Supply and installation of a main breaker for the overcurrent protection of the new 75KVA transformer.
  - Supply and installation of a disconnect fed from the new 75KVA to provide overcurrent protection.
- Utilize the existing electrical panel 'A1A'.
  - Replace existing (2) 30A, 2-pole circuit breakers reserved for charging stations with two (2) 40A circuit breakers for the CT4000 dual-port EV charging station overcurrent protection on the existing electrical panel 'A1A'.

#### CHARGING STATION INSTALLATION

- Installation and commissioning of one (1) CT4000 dual-port charging station.
  - Level 2 EVCS (CT4000):
    - From the existing electrical panel '1A1' to the CT4000 dual-port charging station, utilize the existing electrical conductors already pulled and terminated in an electrical junction box at the designated charging station location.
    - Forming and pouring of concrete pad of dimensions per manufacturer's specifications for charging station structural support.
    - Supply and installation of two (2) bollards for charging station protection.

*Requires irrigation box to be relocated, **BY OTHERS.** There are existing irrigation boxes at the proposed EV installation location.*

#### CODE COMPLIANT ADA ACCESSIBILITY PARKING MODIFICATIONS

- Supply & mounting of three (3) EV parking signs on post.
- Partially restripe existing parking spaces and ADA parking spaces to meet ADA accessibility for EVCS.
- Stenciling/markings "EV CHARGING ONLY" in "white" paint for three (3) EV parking spaces.
- Striping/Restriping and stenciling of two (2) "NO PARKING" access aisle in "white" paint per ADA requirements.

RELATED CONSTRUCTION WORK

- Asphalt Trenching
  - Traffic-rated trench plates
- Asphalt work (demolition and repair)
  - Slurry backfill per City
- Rentals included

**EV Charging Station Orders: Includes Charging Hardware & Station Services**

CT4000 PRODUCT DESCRIPTION

<u>Qty</u>	<u>Product Description</u>	<u>Product Name</u>
1	Dual Output Gateway Option USA, Bollard Mount Station -208/240V @30A with Cord Management.	CT4021-GW1
1	ChargePoint Bollard Concrete Mounting Kit (required for Bollard Stations).	CT4001-CCM
1	On-Site Validation of electrical capacity, transformers, panels, breakers, wiring, cellular coverage and that station installation meets all ChargePoint published requirements. Note that a failed Site Validation will incur a second validation fee to repeat the validation after the site deficiencies are corrected. Site is defined as a group of stations all connected to the same electrical panel. Site Validation is not required when installation was performed by a ChargePoint national Operations and Maintenance (O&M) Partner or Channel Partner that has qualified to self-certify.	OM-INSTALL-SITEVALID
2	5 Year Pre-Paid Commercial Network Service Plan. Designed for employers, businesses and the government, this plan includes 24x7x365 driver support, access control, general reporting OTA upgrades, payment processing, flexible policies, reservations and more.	CPCLD-COMMERICAL-5
1	Initial Station Activation & Configuration Service includes activation of cloud services and configuration of radio groups, custom groups, connections, access control, visibility control, pricing, reports and alerts. One time initial service per station.	CPSUPPORT-ACTIVE
1	Five (5) years of ChargePoint Assure for the CT4000. Parts and on-site labor warranty.	CT4000-ASSURE5

See next page.

CPE250 EXPRESS

<u>Qty</u>	<u>Product Description</u>	<u>Product Name</u>
1	CP Express 250 Station (50kW) includes Express 250 Station, 2x Power Modules, 1xCCS1 cable, 1xCHAdEMO cable	CPE250C-625-CCS1-CHD
1	Concrete Mounting Template for CPE250 Express	CPE250-CMT-IMPERIAL
1	On-Site Validation of electrical capacity, transformers, panels, breakers, wiring, cellular coverage and that station installation meets all ChargePoint published requirements. Note that a failed Site Validation will incur a second validation fee to repeat the validation after the site deficiencies are corrected. Site is defined as a group of stations all connected to the same electrical panel. Site Validation is not required when installation was performed by a ChargePoint national Operations and Maintenance (O&M) Partner or Channel Partner that has qualified to self-certify.	OM-INSTALL-SITEVALID
1	5 Year Pre-Paid Commercial Network Service Plan. Designed for employers, businesses and the government, this plan includes 24x7x365 driver support, access control, general reporting OTA upgrades, payment processing, flexible policies, reservations and more. Includes free Activation with Enterprise plan.	CPCLD-ENTERPRISE-DC-5
1	Initial Station Activation & Configuration Service includes activation of cloud services and configuration of radio groups, custom groups, connections, access control, visibility control, pricing, reports and alerts. One time initial service per station.	CPSUPPORT-ACTIVE
3	Five (5) Years of ChargePoint Assure for CPE250 for two Power Modules.	EXPRESS-ASSURE5

CHARGING STATION BREAKDOWN

<u>Equipment (CPE250)</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Total</u>
CPE250C-625-CCS1-CHD	\$40,800.00	1	\$40,800.00
Hardware Discount	5%	1	-\$2,040.00
CPE250-CMT-IMPERIAL	\$0.00	1	\$0.00

<u>Product Services (CPE250)</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Total</u>
OM-INSTALL-SITEVALID	<del>\$599.00</del>	1	\$0.00
CPCLD-ENTERPRISE-DC-5	\$4,799.00	1	\$4,799.00
CPSUPPORT-ACTIVE	<del>\$349.00</del>	0	\$0.00
EXPRESS-ASSURE5	\$15,500.00	1	\$15,500.00

Tax & S/H: \$3,811.00

**EVCS Unit(s) & Service(s) Total Price: \$62,870.00**

For exclusions and clarification to this project, see next page.

**Excludes:**

1. Plan check fees (if applicable) permitting fees, and/or any required inspection fees required to conduct the scope of work. Related fees may be paid for by contractor in advance to avoid delay of project, but shall be at the expense of the owner or shall be reimbursable by the owner.
2. Architectural, Civil or Structural design/drawings.
3. Any additional (outside the scope of work) circuit breaker installations or upgrades as required per NEC or manufacturer's specifications.
4. GPR scanning and/or concrete X-ray services for penetrations in concrete slabs, or any other related penetrations requiring scanning services.
5. Supply/installation of cellular signal boosters/repeaters or of materials related thereof.
6. Notification to tenants or any affected parties of construction and/or power shutdown requirements.
7. Payment bonds/performance bonds, apprenticeships.

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INITIALS      DATE

**Clarification:**

1. No pricing is included for existing conditions/obstructions not evident prohibiting the completion as specified.
2. This proposal is based on work being performed during normal business hours 7am—5pm Monday to Friday, 8-hours days, and/or a mutually agreeable schedule. Overtime and abnormal business hours is not considered.
3. All conduit work is unfinished unless specified otherwise.
4. This proposal assumes that the integrity of all existing circuitry and electrical systems is intact, all circuits and electrical that are to remain are to code, and are operational. Any additional labor and material to fix or repair the previously mentioned will be billed on a time and material basis at \$88.50/hr. + material.
5. The proposed estimate is based on a preliminary site assessment and may be subject to adjustments prior to change in design and installation for any reason including city planning/permitting requirements. Planning requirements may be subject to additional equipment and additional charge.
6. Materials testing, compaction testing, etc. is to be obtained and paid for by owner unless otherwise mentioned above. All work is assumed not to require compaction testing. The requirement to meet specific compaction requirements will be grounds for a change order for additional work unless said requirements are specifically mentioned.
7. The proposed estimate is based on the mentioned scope of work being completed from start to finish under one (1) continuously scheduled timeline. Any incomplete items or interruptions causing delays to complete the project due to site not being ready for the entire scope of work will incur a separate re-dispatching charge of \$300 each day should this delay cause additional return visits to complete the task.
8. Each personnel scheduled for servicing onsite unable to conduct services due to conditions beyond VVD Voltaic's control is subject to standby time charges at the applicable rate.

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INITIALS      DATE



Project #: 82-620D.11

**NOTE1:** *The cost for this quotation is guaranteed for up to 30 days of the quotation date. We reserve the right to withdraw from this proposal at any time. Any cancellations or terminations to this agreement may be settled upon costs and other related expenses already incurred towards this agreement.*

**NOTE2:** *Payment Terms: Upon execution of agreement, we will be invoicing for the total cost of EV charging station orders (if any) and a deposit amount of 40% of the cost of construction/installation (labor and materials, combined) of which payments are due as commencement of the project, or otherwise negotiated. The remaining balance will be invoiced upon final inspections from all relative authorities having jurisdiction and activation of charging stations. Non-deposit payments, and remaining-balance payment terms are net-thirty (30) days. Any invoice(s) not paid within thirty (30) days from the date of invoice may be subjected to a service charge of two percent (2.0%) per month, or the maximum allowed by law, on the account balance(s).*

*A purchase order will be immediately sent to the manufacturer for delivery of any charging hardware, but may take 7 to 10 business days to arrive to the desired shipping address. Any cancelations or changes to executed orders will result in a 28% restocking and processing fee and additional shipping charges by the manufacturer at the customer's expense. Shipping and handling charges are nonrefundable.*

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INITIALS      DATE

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CUSTOMER SIGNATURE OF APPROVAL

\_\_\_\_\_  
NAME (PRINT)

\_\_\_\_\_  
DATE