

Harper Electric, Inc.

Estimate

6920 Jackson Road
Ann Arbor Michigan 48103

Date	Estimate #
7/21/2020	6278

Name/Address
City of Ann Arbor 301 E. Huron Ann Arbor MI 48107

Phone # 734-662-8367
Fax # 734-662-8394
Web Site www.HarperElectric.net

Job Location	Terms	Customer E-mail
City Hall Ann street Parking	Net 30	dlcrum@a2gov.org

Description
<p>****9/8/20 3rd revision date**** ****3rd revision to this estimate to provide "pairing" of the stations along with removing unnecessary work from previous estimate**** ****7/24/20 2nd revision date**** **** 2nd REVISED ESTIMATE AFTER ADDITIONAL CHANGES MADE BELOW. THIS IS TO REFLECT THE ADDITION OF TWO CHARGING STATIONS TO MAKE A TOTAL OF (4) NOW****</p> <p>Job #1- City Hall-Ann St. parking...Charge Point "fast charging" car stations Complete the following work at the above referenced job for the sum of..... \$ 111,500.00</p> <p>Scope of work: *From existing switch gear in the parking garage area, use existing bucket switch for new power panel. From this switch install (1) 600A three phase 480V feeder to new panel located next to exterior door in the same room. *Install new 600A, 480V power panel for installation of (4) 100A circuits for use with new charging stations. *Transition from the inside of the building to the exterior of the building and run (4) new 100A, 480V dedicated circuits. One to each new car charging station. *Form and pour (4) new concrete pads in "green Belt" area for use stations. *Install (4) Charge point car charging stations on new pads *Provide local area electrical disconnects for each station and make final connection to each car charging station. *Provide (1) 3/4" conduits between car charging station to adjacent station (for total of two) and provide (2) Cat 6 communication cables in conduit for data use in pairing. *Provide (1) 3" conduit between car charging station to adjacent station (for total of two) and provide (4) 1000V rated 4/0 conductors along with lugs at each station for termination. This is for use in "pairing" the stations. *Remove, excavate, backfill/compact spoils, and replace all cobblestones. *Install (2) concrete bollards to protect conduits which enter the building from the new charging stations. *Provide permitting through city *Provide Engineered drawings for review by city inspectors *Provide Required testing by 3rd party</p>

We propose hereby to furnish material and labor, complete in accordance to above specifications. Acceptance of proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Please note: Credit Card Payments will be assessed a 5% fee.

Customer Signature:_____

Date:_____

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Description
<p>Please note: *Car charging station to be furnished to Harper Electric, Inc. *IT/Data commissioning to be done by City of Ann Arbor. Not sure how this integrates with your IT system as far as notification, allowance to system, and payment collection *Parking in this lot will be disrupted for 1 week while construction is under way. If this job is selected to be done from Nov 15th through March 31st then "winter expenses will apply"</p> <p>Any questions please feel free to call.</p> <p>Thank you, Brian Howard-Estimator</p>

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Note: This proposal may be withdrawn by us if not accepted within 30 days.
Please note: Credit Card Payments will be assessed a 5% fee.

Customer Signature:_____

Date:_____