

# GSA Project Estimate

\* Total Costs: Charging Stations and Infrastructure

**Prepared on:** 6/30/2019

**Project Title:** Design and install electrical infrastructure for 7 dual EV Charging Stations in Parking Lot E

**Client Name:** GSA Fleet

**Client Contact:** Chris Melton/Robert Crawford

**Description:** Design and install electrical infrastructure for 7 dual EV Charging Stations in Parking Lot E

**Prepared by:** Paul R. Young

**Estimate Type:** Rough Order Magnitude

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## Soft Costs

Item	Category	Description	Basis	Amount
01	0220 - Assessments		Est	\$0
02	0100 - Design	EE Design	Est	\$25,000
03	0031 - Permits	B&S	Est	\$10,000
			Est	
			Est	

**Total of Soft Costs = \$35,000**

## Hard Costs

Item	Category	Description	Basis	Amount
04	1100 - Equipment	7 dual EV chargers, installed @ \$6,286 each	Est	\$44,000
05	2600 - Electrical	480 volt 3 phase breaker and etc.	Est	\$10,000
06	2600 - Electrical	50 foot-480volt - 225 amp feeder	Est	\$15,000
07	2600 - Electrical	150 KVA 480 bolt to 208 volt on steel support	Est	\$28,000
08	2600 - Electrical	40 foot 208 volt 600 amp feeder	Est	\$20,000
09	2600 - Electrical	600 A main breaker dist. Panel 15-40 amp	Est	\$10,000
10	2600 - Electrical	15 sets 2#2 and 1#8 gnd and 4 pull box	Est	\$66,000
11	0500 - Metals	Rebar, steel, misc	Est	\$20,000
12	1010 - Signs and Displays	7 EV parking post signs	Est	\$12,000
13	3100 - Earthwork	150 feet of trenching and asphalt	Est	\$22,500
14	0000 - General Construction	Contractor OH & P (20%)	Est	\$49,500

**Total of Hard Costs = \$297,000**

Project Subtotal = \$332,000

Contingency @ 15% of Subtotal = \$49,800

GSA Fee @ 10.9% of Subtotal & Contingency = \$36,188

Total Project Estimate = \$417,988

**Round to nearest \$250 = \$418,000**

Total Project Budget = \$0

Budget - Estimate = **(\$418,000)**

## Notes

- Does not include any ITSD charges (telephone, data, etc.)
- Estimate is approximately \$ 29,900/charger. Past experience has been \$24,000-\$30,000/charger.