

**London Avenue and Austin Road Metering Facilities Project**

Engineers Estimate \$150,000  
April 24, 2012

**Vinciguerra Construction - Jackson**

Bid Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization & Demobilization	1	LS	\$ 16,330.00	\$ 16,330.00
2	Pot hole to verify all necessary existing utilities and other needed for all construction	1	LS	\$ 2,500.00	\$ 2,500.00
3	Cut and cap exiting water main and abandon in-place (London Ave/Lathrop Rd)	1	LS	\$ 1,500.00	\$ 1,500.00
4	Construction Signs	1	LS	\$ 1,000.00	\$ 1,000.00
5	Traffic Control	1	LS	\$ 3,500.00	\$ 3,500.00
6	Saw-Cut AC	90	LF	\$ 2.00	\$ 180.00
7	Trench Patch (4"AC/12"AB)	90	SF	\$ 25.00	\$ 2,250.00
8	Pressure test and disinfect	1	LS	\$ 1,500.00	\$ 1,500.00
9	10-Inch PVC DR-18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench backfill	25	LF	\$ 125.00	\$ 3,125.00
10	12-Inch PVC DR-18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench backfill	100	LF	\$ 125.00	\$ 12,500.00
11	Provide and Install Single Check Back-Flow Device on 24-inch Main	1	EA	\$ 20,000.00	\$ 20,000.00
12	Provide and Install Single Check Back-Flow Device on 12-inch Main	1	EA	\$ 7,500.00	\$ 7,500.00
13	Provide and Install 18-inch Flow Meter on 24-inch water main	1	EA	\$ 30,000.00	\$ 30,000.00
14	Provide and Install 10-inch Flow Meter on 12-inch water main	1	EA	\$ 20,000.00	\$ 20,000.00
15	Install Valve Mounted Actuator w/ Valve at both locations (provided by City of Manteca)	2	EA	\$ 1,500.00	\$ 3,000.00
16	Complete piping system inside vaults (Ductile Iron), including pipe supports	1	LS	\$ 25,000.00	\$ 25,000.00
17	Saw-Cut, Remove & Replace existing sidewalk where utility vaults and water pipe will be placed at the London Ave site	1	LS	\$ 7,500.00	\$ 7,500.00
18	Provide (2) 4-Inch thick 4'x8' concrete slab w/ 6" of Class-II AB per detail on sheet-2 for control cabinet enclosures	64	SF	\$ 15.00	\$ 960.00
19	Provide and Install NEMA 4X Enclosures for PG&E Meter and Transformer	2	EA	\$ 20,000.00	\$ 40,000.00
20	Provide and Install NEMA 4X Enclosures for PLC, Panel View, Rexa Accumulator	2	EA	\$ 40,000.00	\$ 80,000.00
21	Provide & install a precast or cast-in-place 12'x6'x6.5' concrete vault, w/ 6" of Class-II AB per detail on sheet-2 and spring assisted aluminum covers	1	EA	\$ 25,000.00	\$ 25,000.00
22	Provide & install a precast or cast-in-place 7'x6'x5' concrete vault w/ 6" of Class-II AB per detail on sheet-2 and spring assisted aluminum covers	1	EA	\$ 12,500.00	\$ 12,500.00
23	Provide & install a precast or cast-in-place 6'x6'x6.5' concrete vault w/ 6" of Class-II AB per detail on sheet-2 and spring assisted aluminum covers	1	EA	\$ 12,500.00	\$ 12,500.00
24	Provide & install a precast or cast-in-place 6'x6'x6' concrete vault w/ 6" of Class-II AB per detail on sheet-2 and spring assisted aluminum covers	1	EA	\$ 12,500.00	\$ 12,500.00
25	Provide and Install Programmable Logic Controller (PLC)	3	EA	\$ 5,000.00	\$ 15,000.00
26	Provide and Install Operator Interface Device (OID)	2	EA	\$ 1,500.00	\$ 3,000.00
27	Provide complete functional programming, with provided software, at both metering facilities for PLC & SCADA control	1	LS	\$ 18,750.00	\$ 18,750.00
28	Provide and Install outdoor Day/Night security camera with pole mount adapter	2	EA	\$ 1,300.00	\$ 2,600.00
29	Provide and Install Ubiquiti NanoBridge M5 (5GHz) Radio/Antenna w/ Industrial grade ethernet cable	4	EA	\$ 1,000.00	\$ 4,000.00
30	Provide & Install a self-supporting 40'-Rohn tower and foundation at the Austin Rd. site	1	LS	\$ 10,000.00	\$ 10,000.00
31	Provide & Install 2"-dia. 15' galvanized mast pole w/ brackets to attach to existing street light pole and 2"-dia. 2' galvanized pole with brackets to attach to top of existing traffic signal pole at the London Ave. metering site	1	LS	\$ 4,500.00	\$ 4,500.00
32	Provide & Install 1-inch electrical conduit, schedule-80 PVC per plans	290	LF	\$ 10.00	\$ 2,900.00
33	Remove and Replace brick pavers and AB to connect 12-inch water main	20	SF	\$ 50.00	\$ 1,000.00
34	Remove and Replace in kind all landscaping within project limits	1	LS	\$ 2,000.00	\$ 2,000.00
35	6' chain link fence w/ 1' of barb wire on top with an 8-ft wide double access gate	91	LF	\$ 55.00	\$ 5,005.00
36	Provide and place ¾-inch crushed rock, 4" minimum depth in all open areas within chain link fence perimeter	2,700	SF	\$ 2.00	\$ 5,400.00
37	Provide and Install 30-ft utility Wood Pole for new PG&E power drop	1	EA	\$ 5,000.00	\$ 5,000.00
<b>TOTAL BASE BID</b>					<b>\$ 420,000.00</b>