

2005 Traffic Signal Maintenance

ENGINEER'S ESTIMATE \$110,000 to \$120,000

BID OPENING November 10th, 2004

| CONTRACTOR | | | | REPUBLIC ELECTRIC NOVATO | |
|--|--|-----|------------|-----------------------------|---------------------|
| ITEM | DESCRIPTION | | | UNIT COST | TOTAL COST |
| PREVENTATIVE MAINTENANCE | | | | | |
| A. | Monthly + Semi-Annual Inspection of (37) Traffic Signal Systems for one year (37 x 12) = 444 Signal-Months | 444 | Mo | \$130.00 | \$57,720.00 |
| B. | Monthly + Semi-Annual Inspection of (12) Flashing Beacons & (1) Advance Warning Signal | 78 | Mo | \$55.00 | \$4,290.00 |
| TRAFFIC SIGNAL REPAIR / ACCIDENT DAMAGE REPAIR | | | | | |
| A. | Estimated cost of Materials for 1 Year | 1 | LS | \$12,000.00 | \$12,000.00 |
| 1 | Markup on Estimated Cost of Materials | % | | 20.00% | \$2,400.00 |
| B. Labor, Straight Time | | | | | |
| 1 | Signal Maintenance Supervisor | 20 | Hour | \$95.00 | \$1,900.00 |
| 2 | Signal Maintenance Technician | 144 | Hour | \$90.00 | \$12,960.00 |
| 3 | Traffic Signal Maintainer | 100 | Hour | \$90.00 | \$9,000.00 |
| 4 | Traffic Signal Laborer | 100 | Hour | \$60.00 | \$6,000.00 |
| C. Labor, Overtime Estimated Overtime Hours per Year | | | | | |
| 1 | Signal Maintenance Technician | 10 | Hour | \$155.00 | \$1,550.00 |
| 2 | Traffic Signal Maintainer | 10 | Hour | \$155.00 | \$1,550.00 |
| 3 | Traffic Signal Laborer | 10 | Hour | \$90.00 | \$900.00 |
| D. Vehicles and Equipment Estimated Vehicles & Equip for 1 Year | | | | | |
| 1 | Service Boom Truck | 144 | Hour | \$27.50 | \$3,960.00 |
| 2 | Service Boom Truck | 5 | Day | \$100.00 | \$500.00 |
| 3 | Hydraulic Lift Truck | 10 | Hour | \$75.00 | \$750.00 |
| 4 | Hydraulic Lift Truck | 5 | Day | \$250.00 | \$1,250.00 |
| 5 | Estimated cost of Equipment for 1 Year | 1 | LS | \$1,000.00 | \$1,000.00 |
| | Rental Equipment Overhead | | percentage | 5.00% | \$50.00 |
| TOTAL PROJECT BID | | | | | \$117,780.00 |