## TABULATION OF BIDS

PROJECT: TRAFFIC OPERATIONAL IMPROVEMENTS, HANA HIGHWAY AT WAKEA AVENUE, DISTRICT OF WAILUKU, ISLAND OF MAUI

PROJECT NO.: HWY-M-01-08

ISLAND: Maui DISTRICT: Wailuku

DATE ADVERTISED: June 8, 2010

BIDS OPENED: June 29, 2010

COMPLETION TIME: Two Hundred (200) Working Day

\*\* NOTE:

Quantities shown in this column are for in-house use

LITE ELECTRIC INC.

WASA ELECTRICAL SERVICES, INC.

PAUL'S ELECTRICAL CONTRACTING, LLC

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

| COMPLETION TIME: Two Hundred (200) Working Days |   | only.                                 |                       |              |             |              |             |             |             |                                       |                       |              |
|---|---|---------------------------------------|-----------------------|--------------|-------------|--------------|-------------|-------------|-------------|---------------------------------------|-----------------------|--------------|
| ITEM NO.  | ITEM  | APPROX.<br>QUANTITY                   | **APPROX.<br>QUANTITY | UNIT USED    | UNIT PRICE  | AMOUNT       | UNIT PRICE  | AMOUNT      | UNIT PRICE  | AMOUNT                                | UNIT PRICE            | AMOUNT       |
| 209.0100  | INSTALLATION, MAINTENANCE, MONITORING, AND REMOVAL OF BMP   | L.S.                                  | L.S                   | L.S.         | L.S.        | \$6,000.00   | L.S.        | \$3,615.00  | L.S.        | \$5,000.00                            | L.S.                  | \$20,000.00  |
| 209.0200  | ADDITIONAL WATER POLLUTION, DUST, AND EROSION CONTROL   | F.A.                                  | F.A                   | F.A.         | F.A.        | \$30,000.00  | F.A.        | \$30,000.00 | F.A.        | \$30,000.00                           | F.A.                  | \$30,000.00  |
| 212.0000  | ARCHAEOLOGICAL MONITORING   | F.A.                                  | F.A                   | F.A.         | F.A.        | \$50,000.00  | F.A.        | \$50,000.00 | F.A.        | \$50,000.00                           | F.A.                  | \$50,000.00  |
| 622.0001  | ROADWAY LIGHTING SYSTEM   | L.S.                                  | L.S                   | L.S.         | L.S.        | \$120,000.00 | L.S.        | \$99,163.00 | L.S.        | \$195,000.00                          | L.S.                  | \$120,000.00 |
| 622.0002  | POWER FOR TRAFFIC SIGNAL SYSTEM   | L.S.                                  | L.S                   | L.S.         | L.S.        | \$15,000.00  | L.S.        | \$5,908.00  | L.S.        | \$6,500.00                            | L.S.                  | \$8,000.00   |
| 623.2000  | FURNISH AND INSTALL CONTROLLER ASSEMBLY (MODEL<br>170 TRAFFIC SIGNAL CONTROLLER UNIT, TYPE 332A<br>CABINET AND AUXILIARY EQUIPMENT) | 1                                     | 1 Each                | EACH         | \$26,000.00 | \$26,000.00  | \$17,712.00 | \$17,712.00 | \$20,000.00 | \$20,000.00                           | \$19,500.00           | \$19,500.00  |
| 623.2010  | TYPE I TRAFFIC SIGNAL STANDARD, H=10 FT   | 5                                     | 5 Each                | EACH         | \$2,500.00  | \$12,500.00  | \$950.00    | \$4,750.00  | \$800.00    | \$4,000.00                            | \$1,400.00            | \$7,000.00   |
| 623.2020  | TYPE II TRAFFIC SIGNAL STANDARD WITH 50-FOOT MAST ARM   | 2                                     | 2 Each                | EACH         | \$23,000.00 | \$46,000.00  | \$20,264.00 | \$40,528.00 | \$26,000.00 | \$52,000.00                           | \$25,000.00           | \$50,000.00  |
| 623.2030  | FOUNDATION FOR TYPE I SIGNAL STANDARD   | 5                                     | 5 Each                | EACH         | \$700.00    | \$3,500.00   | \$1,437.00  | \$7,185.00  | \$2,000.00  | \$10,000.00                           | \$1,000.00            | \$5,000.00   |
| 623.2040  | FOUNDATION FOR TYPE II SIGNAL STANDARD  | 2                                     | 2 Each                | EACH         | \$16,000.00 | \$32,000.00  | \$9,646.00  | \$19,292.00 | \$10,000.00 | \$20,000.00                           | \$15,000.00           | \$30,000.00  |
| 623.2050  | FOUNDATION FOR CONTROLLER CABINET   | 1                                     | 1 Each                | EACH         | \$1,500.00  | \$1,500.00   | \$1,688.00  | \$1,688.00  | \$4,000.00  | \$4,000.00                            | \$4,500.00            | \$4,500.00   |
| 623.3011  | TRAFFIC SIGNAL ASSEMBLY, (1-WAY, 12-INCH, 1-3<br>SECTION VERTICAL WITH TYPE I MOUNTING)   | 5                                     | 5 Each                | EACH         | \$1,300.00  | \$6,500.00   | \$1,195.00  | \$5,975.00  | \$1,100.00  | \$5,500.00                            | \$1,000.00            | \$5,000.00   |
| 623.3041  | TRAFFIC SIGNAL ASSEMBLY, (1-WAY, 12-INCH, 1-3<br>SECTION VERTICAL WITH TYPE IV MOUNTING)  | 2                                     | 2 Each                | EACH         | \$1,500.00  | \$3,000.00   | \$1,084.00  | \$2,168.00  | \$1,000.00  | \$2,000.00                            | \$1,500.00            | \$3,000.00   |
| 623.3061  | TRAFFIC SIGNAL ASSEMBLY, (1-WAY, 12-INCH, 1-3<br>SECTION VERTICAL WITH TYPE VI MOUNTING)  | 4                                     | 4 Each                | EACH         | \$1,600.00  | \$6,400.00   | \$1,201.00  | \$4,804.00  | \$1,100.00  | \$4,400.00                            | \$1,500.00            | \$6,000.00   |
| 623.4010  | EVP OPTICAL RECEIVER WITH MAST ARM MOUNTING   | 2                                     | 2 Each                | EACH         | \$950.00    | \$1,900.00   | \$1,020.00  | \$2,040.00  | \$1,000.00  | \$2,000.00                            | \$1,500.00            | \$3,000.00   |
| 623.4011  | EVP OPTICAL RECEIVER WITH TOP OF POLE MOUNTING  | 1                                     | 1 Each                | EACH         | \$800.00    | \$800.00     | \$985.00    | \$985.00    | \$900.00    | \$900.00                              | \$1,000.00            | \$1,000.00   |
| 623.5001  | TRAFFIC SIGNAL DUCTLINE, TWO 2-INCH CONDUIT, SCH<br>80 PVC, CONCRETE ENCASED  | 40                                    | 40 Lin. Ft.           | L.F.         | \$110.00    | \$4,400.00   | \$315.00    | \$12,600.00 | \$200.00    | \$8,000.00                            | \$130.00              | \$5,200.00   |
| <u></u>   |   | · · · · · · · · · · · · · · · · · · · | <u> </u>              | <del>1</del> | <u> </u>    |              |             | <u> </u>    | <u> </u>    | , , , , , , , , , , , , , , , , , , , | Sheet No. 1 of 3 Shee | ets          |

## TABULATION OF BIDS

PROJECT: TRAFFIC OPERATIONAL IMPROVEMENTS, HANA HIGHWAY AT WAKEA AVENUE,

DISTRICT OF WAILUKU, ISLAND OF MAUI

PROJECT NO.: HWY-M-01-08

ISLAND: Maui DISTRICT: Wailuku

\*\* NOTE:

LITE ELECTRIC INC.

WASA ELECTRICAL SERVICES, INC.

PAUL'S ELECTRICAL CONTRACTING, LLC

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

DATE ADVERTISED: June 8, 2010

BIDS OPENED: June 29, 2010

Quantities shown in this column are

for in-house use

| COMPLET  | ION TIME: Two Hundred (200) Working Days                                    |                     | for in-house use only. |           |             | i,          |            |              |            |             |                        |             |
|----------|---|---------------------|------------------------|-----------|-------------|-------------|------------|--------------|------------|-------------|------------------------|-------------|
| ITEM NO. | ITEM  | APPROX.<br>QUANTITY | **APPROX.<br>QUANTITY  | UNIT USED | UNIT PRICE  | AMOUNT      | UNIT PRICE | AMOUNT       | UNIT PRICE | AMOUNT      | UNIT PRICE             | AMOUNT      |
| 623.5002 | TRAFFIC SIGNAL DUCTLINE, THREE 2-INCH CONDUIT, SCH 80 PVC, CONCRETE ENCASED | 65                  | 65 Lin. Ft             | L.F.      | \$115.00    | \$7,475.00  | \$274.00   | \$17,810.00  | \$220.00   | \$14,300.00 | \$145.00               | \$9,425.00  |
| 623.5003 | TRAFFIC SIGNAL DUCTLINE, FOUR 2-INCH CONDUIT, SCH 80 PVC, CONCRETE ENCASED  | 290                 | 290 Lin. Ft.           | L.F.      | \$200.00    | \$58,000.00 | \$367.00   | \$106,430.00 | \$240.00   | \$69,600.00 | \$155.00               | \$44,950.00 |
| 623.5004 | TRAFFIC SIGNAL DUCTLINE, ONE 2-INCH CONDUIT, SCH 80 PVC                     | 585                 | 550 Lin. Ft.           | L.F.      | \$78.00     | \$45,630.00 | \$22.00    | \$12,870.00  | \$25.00    | \$14,625.00 | \$60.00                | \$35,100.00 |
| 623.5005 | TRAFFIC SIGNAL DUCTLINE, THREE 2-INCH CONDUIT, SCH 80 PVC                   | 80                  | 80 Lin. Ft.            | L.F.      | \$90.00     | \$7,200.00  | \$35.00    | \$2,800.00   | \$70.00    | \$5,600.00  | \$80.00                | \$6,400.00  |
| 623.5006 | TRAFFIC SIGNAL DUCTLINE, FOUR 2-INCH CONDUIT, SCH 80 PVC                    | 35                  | 35 Lin. Ft.            | L.F.      | \$150.00    | \$5,250.00  | \$43.00    | \$1,505.00   | \$80.00    | \$2,800.00  | \$100.00               | \$3,500.00  |
| 623.5007 | TRAFFIC SIGNAL DUCTLINE, SEVEN 2-INCH CONDUIT, SCH 80 PVC                   | 10                  | 10 Lin. Ft.            | L.F.      | \$160.00    | \$1,600.00  | \$117.00   | \$1,170.00   | \$90.00    | \$900.00    | \$100.00               | \$1,000.00  |
| 623.6011 | TYPE A PULLBOX  | 4                   | 4 Each                 | EACH      | \$1,200.00  | \$4,800.00  | \$1,265.00 | \$5,060.00   | \$1,100.00 | \$4,400.00  | \$1,300.00             | \$5,200.00  |
| 623.6012 | TYPE B PULLBOX  | 7                   | 7 Each                 | EACH      | \$1,300.00  | \$9,100.00  | \$1,440.00 | \$10,080.00  | \$1,500.00 | \$10,500.00 | \$1,600.00             | \$11,200.00 |
| 623.6013 | TYPE C PULLBOX  | 1                   | 1 Each                 | EACH      | \$1,900.00  | \$1,900.00  | \$2,017.00 | \$2,017.00   | \$2,200.00 | \$2,200.00  | \$2,100.00             | \$2,100.00  |
| 623.7001 | TYPE 1, NO. 14, 26-CONDUCTOR TRAFFIC CONTROL CABLE                          | L.S.                | L.S.                   | L.S.      | \$10,800.00 | \$10,800.00 | \$5,084.00 | \$5,084.00   | \$3,000.00 | \$3,000.00  | \$3,300.00             | \$3,300.00  |
| 623.7002 | TYPE 2, NO. 14, 2-CONDUCTOR LOOP DETECTOR LEAD-IN CABLE                     | L.S.                | L.S.                   | L.S.      | \$1,800.00  | \$1,800.00  | \$2,241.00 | \$2,241.00   | \$3,000.00 | \$3,000.00  | \$3,400.00             | \$3,400.00  |
| 623.7003 | TYPE 6, NO. 6, 3-CONDUCTOR POWER CABLE                                      | L.S.                | L.S.                   | L.S.      | \$315.00    | \$315.00    | \$1,743.00 | \$1,743.00   | \$2,000.00 | \$2,000.00  | \$175.00               | \$175.00    |
| 623.7004 | TYPE 7, EVP CABLE   | L.S.                | L.S.                   | L.S.      | \$2,250.00  | \$2,250.00  | \$850.00   | \$850.00     | \$1,000.00 | \$1,000.00  | \$1,785.00             | \$1,785.00  |
| 623.7042 | LOOP DETECTOR SENSING UNIT (6 FT x 6 FT) TWO LOOP                           | 2                   | 2 Each                 | EACH      | \$1,400.00  | \$2,800.00  | \$1,437.00 | \$2,874.00   | \$1,000.00 | \$2,000.00  | \$2,600.00             | \$5,200.00  |
| 623.7044 | LOOP DETECTOR SENSING UNIT (6 FT x 6 FT) FOUR LOOPS                         | 3                   | 3 Each                 | EACH      | \$2,800.00  | \$8,400.00  | \$2,873.00 | \$8,619.00   | \$2,000.00 | \$6,000.00  | \$5,000.00             | \$15,000.00 |
| 623.7045 | LOOP DETECTOR SENSING UNIT (6 FT x 6 FT) SIX LOOPS                          | 1                   | 1 Each                 | EACH      | \$4,200.00  | \$4,200.00  | \$4,310.00 | \$4,310.00   | \$3,000.00 | \$3,000.00  | \$6,600.00             | \$6,600.00  |
| 629.1015 | 4-INCH PAVEMENT STRIPING (THERMOPLASTIC EXTRUSION)                          | L.S.                | L.S.                   | L.S.      | \$5,000.00  | \$5,000.00  | \$2,159.00 | \$2,159.00   | \$1,900.00 | \$1,900.00  | \$1,280.00             | \$1,280.00  |
|          |   |                     | <u></u>                | L         |             |             |            |              |            |             | Sheet No. 2 of 3 Sheet | is          |

## TABULATION OF BIDS

PROJECT: TRAFFIC OPERATIONAL IMPROVEMENTS, HANA HIGHWAY AT WAKEA AVENUE,

DISTRICT OF WAILUKU, ISLAND OF MAUI

PROJECT NO.: HWY-M-01-08

ISLAND: Maui

DISTRICT: Wailuku

\*\* NOTE:

LITE ELECTRIC INC.

WASA ELECTRICAL SERVICES, INC.

PAUL'S ELECTRICAL CONTRACTING, LLC STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

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|---|--|---------------------|-----------------------|-----------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| ITEM NO.  | ITEM   | APPROX.<br>QUANTITY | **APPROX.<br>QUANTITY | UNIT USED | UNIT PRICE  | AMOUNT       |
| 629.1016  | 8-INCH PAVEMENT STRIPING (THERMOPLASTIC EXTRUSION)   | L.S.                | L.S.                  | L.S.      | \$10,000.00 | \$10,000.00  | \$1,341.00  | \$1,341.00   | \$1,200.00  | \$1,200.00   | \$450.00    | \$450.00     |
| 629.1017  | 12-INCH PAVEMENT STRIPING (THERMOPLASTIC EXTRUSION)  | L.S.                | L.S.                  | L.S.      | \$8,000.00  | \$8,000.00   | \$3,620.00  | \$3,620.00   | \$3,200.00  | \$3,200.00   | \$1,300.00  | \$1,300.00   |
| 629.1030  | PAVEMENT ARROWS (THERMOPLASTIC EXTRUSION)  | L.S.                | L.S.                  | L.S.      | \$3,000.00  | \$3,000.00   | \$525.00    | \$525.00     | \$500.00    | \$500.00     | \$300.00    | \$300.00     |
| 629.1051  | TYPE C RAISED PAVEMENT MARKER  | L.S.                | L.S.                  | L.S.      | \$7,000.00  | \$7,000.00   | \$47.00     | \$47.00      | \$100.00    | \$100.00     | \$28.00     | \$28.00      |
| 629.1052  | TYPE D RAISED PAVEMENT MARKER  | L.S.                | L.S.                  | L.S.      | \$7,000.00  | \$7,000.00   | \$58.00     | \$58.00      | \$120.00    | \$120.00     | \$35.00     | \$35.00      |
| 630.5000  | STREET NAME SIGN ON TRAFFIC SIGNAL MAST ARM  | L.S.                | L.S.                  | L.S.      | \$3,600.00  | \$3,600.00   | \$3,381.00  | \$3,381.00   | \$1,500.00  | \$1,500.00   | \$1,000.00  | \$1,000.00   |
| 631.5100  | REGULATORY SIGN (10 SQ. FT. OR LESS)   | L.S.                | L.S.                  | L.S.      | \$2,100.00  | \$2,100.00   | \$2,798.00  | \$2,798.00   | \$532.00    | \$532.00     | \$2,500.00  | \$2,500.00   |
| 631.5200  | RELOCATION OF EXISTING REGULATORY SIGN   | L.S.                | L.S.                  | L.S.      | \$1,400.00  | \$1,400.00   | \$1,014.00  | \$1,014.00   | \$500.00    | \$500.00     | \$200.00    | \$200.00     |
| 645.0001  | TRAFFIC CONTROL  | L.S.                | L.S.                  | L.S.      | \$15,600.00 | \$15,600.00  | \$45,472.00 | \$45,472.00  | \$11,000.00 | \$11,000.00  | \$30,000.00 | \$30,000.00  |
| 645.0002  | ADDITIONAL POLICE OFFICERS AND/OR ADDITIONAL CONTROL DEVICE  | F.A.                | F.A.                  | F.A.      | FA          | \$30,000.00  | FA          | \$30,000.00  | F.A.        | \$30,000.00  | F.A.        | \$30,000.00  |
| 648.0100  | FIELD POSTED DRAWINGS  | L.S.                | L.S.                  | L.S.      | \$1,400.00  | \$1,400.00   | \$1,875.00  | \$1,875.00   | \$1,000.00  | \$1,000.00   | \$5,000.00  | \$5,000.00   |
| 699.1000  | MOBILIZATION (NOT TO EXCEED 10 PERCENT OF THE SUM OF ALL ITEMS EXCLUDING THE BID PRICE OF THIS ITEM AND FORCE ACCOUNT ITEMS) | L.S.                | L.S.                  | L.S.      | \$19,000.00 | \$19,000.00  | \$24,648.00 | \$24,648.00  | \$52,000.00 | \$52,000.00  | \$48,363.00 | \$48,363.00  |
|   | SUM OF ALL ITEMS   |                     | 1                     | !         |             | \$650,120.00 |             | \$610,814.00 |             | \$667,777.00 |             | \$641,991.00 |
|   | Hawaii Products Preference   | 1                   | 1                     |           |             | \$0.00       | 1           | \$0.00       | 1           | \$0.00       | 1           | \$0.00       |
|   | AMOUNT FOR COMPARISON OF BIDS  |                     |                       |           |             | \$650,120.00 |             | \$610,814.00 |             | \$667,777.00 |             | \$641,991.00 |
|   | AMOUNT FOR COMPARISON OF BIDS  |                     |                       |           | •           | \$650,120.00 |             | \$610,814.00 |             | \$667,777.00 |             |              |

Project Manager:

Robert Spilker

Date:

June 30, 2010