

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2230-12-90

W. GREENFIELD AV. FROM S. CESAR CHAVEZ DR. TO S. 1ST ST.

MILWAUKEE COUNTY

| Item No. | Description | Unit | Quantity | Excluded Costs | City Unit | City Total |
|----------|---------------------------------------|------|----------|----------------|-----------|-------------|
| 71062 | 312 Signal Housing | Each | 21 | \$7,526.13 | \$575.82 | \$12,092.23 |
| 71064RL | 12" Red LED Module | Each | 11 | \$492.36 | \$88.25 | \$970.71 |
| 71064YL | 12" Yellow LED Module | Each | 11 | \$519.87 | \$90.75 | \$998.22 |
| 71064GL | 12" Green LED Module | Each | 11 | \$923.34 | \$127.43 | \$1,401.69 |
| 71066 | DW-W Dual 12" Sig. Hous. | Each | 38 | \$17,651.90 | \$681.96 | \$25,914.37 |
| 71067 | Countdown Ped 12" Sig. Hous. | Each | 46 | \$23,655.61 | \$731.69 | \$33,657.55 |
| 71071 | 38 Signal Housing | Each | 26 | \$8,276.18 | \$448.77 | \$11,668.14 |
| 71072RL | 8" Red LED Module | Each | 12 | \$497.40 | \$84.94 | \$1,019.24 |
| 71072YL | 8" Yellow LED Module | Each | 14 | \$615.17 | \$87.43 | \$1,223.98 |
| 71072GL | 8" Green LED Module | Each | 12 | \$661.43 | \$98.61 | \$1,183.27 |
| 71078RL | DW-W 9" LED Module | Each | 8 | \$919.01 | \$245.34 | \$1,962.69 |
| 71156 | Lead in Cable (Probe) | LF | 125 | \$38.74 | \$2.48 | \$310.53 |
| 71170 | 9 #14 LTP | LF | 1325 | \$1,016.63 | \$2.94 | \$3,897.62 |
| 71171 | 12 #14 LTP | LF | 1495 | \$1,186.61 | \$2.97 | \$4,437.24 |
| 71172 | 17 #14 LTP | LF | 1730 | \$1,956.76 | \$3.31 | \$5,718.36 |
| 71173 | 20 #14 LTP | LF | 945 | \$1,410.25 | \$3.67 | \$3,465.00 |
| 71197 | SS 13' | Each | 19 | \$8,197.70 | \$822.84 | \$15,633.92 |
| 71198 | 1' SS Extension Installed | Each | 11 | \$474.95 | \$86.66 | \$953.30 |
| 71716 | DW-W 12" Sig. Hous. Relocated | Each | 8 | \$86.80 | \$228.28 | \$1,826.27 |
| 73000 | 30x30 Stop | Each | 18 | \$713.55 | \$52.67 | \$948.06 |
| 73020 | 30x30 Do Not Enter | Each | 3 | \$120.55 | \$53.21 | \$159.64 |
| 73021 | 24x36 Wrong Way | Each | 1 | \$38.43 | \$51.46 | \$51.46 |
| 73022 | 18x24 One Way (LA) | Each | 10 | \$195.09 | \$32.54 | \$325.37 |
| 73024 | 18x24 One Way (RA) | Each | 10 | \$195.09 | \$32.54 | \$325.37 |
| 73034 | 12x18 Parking-Single Message | Each | 41 | \$408.24 | \$22.99 | \$942.40 |
| 73036 | 18x24 Parking-Double Message | Each | 12 | \$234.10 | \$50.05 | \$600.60 |
| 73037 | 8x15 Tow Away Zone | Each | 2 | \$11.15 | \$18.61 | \$37.21 |
| 73056 | 30x30 School | Each | 4 | \$177.96 | \$57.52 | \$230.07 |
| 73060 | 24x48 School Speed Limit 15 When Chil | Each | 2 | \$132.39 | \$79.23 | \$158.45 |
| 73081 | 12x36 Hazard Marker (Left Mount) | Each | 18 | \$301.35 | \$29.77 | \$535.86 |
| 73088 | 24x48 Double Arrow | Each | 1 | \$36.83 | \$49.86 | \$49.86 |
| 73097 | 24x30 Keep Right | Each | 18 | \$579.87 | \$45.24 | \$814.38 |
| 73163 | 30x30 Right Lane Must Turn Right | Each | 1 | \$40.18 | \$53.21 | \$53.21 |
| 73177 | 24x36 No Trucks 3 Tons or Over | Each | 2 | \$76.87 | \$51.47 | \$102.93 |
| 73181 | 24x24 No Left Turn | Each | 1 | \$25.71 | \$38.74 | \$38.74 |
| 73188 | 18x24 Bike Route | Each | 7 | \$136.56 | \$32.54 | \$227.76 |
| 73194 | 24x30 Speed Limit ____ | Each | 5 | \$161.07 | \$45.24 | \$226.21 |
| 73296 | 2"x9'6" Pipe | Each | 76 | \$3,191.10 | \$45.45 | \$3,454.06 |
| 73298 | 2'x11'0" Pipe | Each | 5 | \$233.90 | \$50.24 | \$251.20 |
| 73310 | Mounting Hardware CP/SS/AP | Each | 83 | \$11.62 | \$3.60 | \$298.80 |
| 73311 | Mounting Hardware PS | Each | 111 | \$118.74 | \$4.53 | \$502.80 |
| 73312 | SNS Mounting CP | Each | 50 | \$898.53 | \$21.43 | \$1,071.53 |
| 73318 | Green SNS 30" | Each | 31 | \$752.31 | \$37.30 | \$1,156.19 |
| 73319 | Green SNS 36" | Each | 22 | \$623.01 | \$41.35 | \$909.63 |
| 73325 | SNS Mounting Signals | Each | 3 | \$52.38 | \$17.46 | \$52.38 |

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|----------|---------------------------------------|------|----------|----------------|-----------|------------|
| 73329 | 24x30 Bicycle Lane Begins | Each | 2 | \$64.43 | \$45.25 | \$90.49 |
| 73330 | 24x30 Bicycle Lane Ends | Each | 2 | \$64.43 | \$45.25 | \$90.49 |
| 73331 | 24x30 Right Lane Bicycle Only | Each | 1 | \$32.21 | \$45.24 | \$45.24 |
| 73332 | 24x30 Curb Lane Bicycle and Parking O | Each | 29 | \$934.23 | \$45.24 | \$1,312.05 |
| 73333 | 12x24 Ahead (Fluorecent) | Each | 2 | \$32.13 | \$29.10 | \$58.19 |
| 73338 | 12x24 Diagonal Down | Each | 2 | \$32.13 | \$29.10 | \$58.19 |
| 90030B | 3 #4/1 #8 LTP | LF | 725 | \$1,751.39 | \$4.33 | \$3,141.64 |
| 90030G | 3 #12 UF | LF | 110 | \$53.88 | \$2.41 | \$264.82 |

TOTAL CITY COST \$146,919.61

TOTAL EXCLUDED COSTS \$88,538.25

APPROVED BY:

ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT
JOSEPH C. BLAKEMAN
REVISED: OCTOBER 17, 2007