City of Rochester, Nuts, Bolts and Hardwatre Bid \# 09-48
June 11, 2009
$2: 45 \mathrm{PM}$

| Description | Sanel | Fastenal | Lawson | Fastener Warehouse | Grayson Industries |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Bolts Grade 8 Plus |  |  |  |  |  |
| Coarse Thread <br> Price for each |  |  |  |  |  |
| 1/4" x 1" | \$0.05 | \$0.05 | \$0.08 | \$0.05 | \$0.07 |
| 1/4" x 2" | \$0.09 | \$0.10 | \$0.13 | \$0.12 | \$0.29 |
| 1/4" x 3" | \$0.16 | \$0.16 | \$0.17 | \$0.20 | \$0.24 |
| 5/16" x 1" | \$0.08 | \$0.07 | \$0.11 | \$0.08 | \$0.25 |
| 5/16" x 2" | \$0.14 | \$0.14 | \$0.18 | \$0.18 | \$0.22 |
| 5/16" x 3" | \$0.20 | \$0.20 | \$0.25 | \$0.25 | \$0.23 |
| 3/8" x 2" | \$0.17 | \$0.19 | \$0.24 | \$0.24 | \$0.27 |
| 3/8" x 3" | \$0.24 | \$0.27 | \$0.33 | \$0.34 | \$0.38 |
| 1/2" x 2" | \$0.34 | \$0.34 | \$0.48 | \$0.40 | \$0.50 |
| 1/2" x 3" | \$0.49 | \$0.49 | \$0.59 | \$0.60 | \$0.80 |
| 1/2" $\times 4$ " | \$0.65 | \$0.62 | \$0.79 | \$0.70 | \$0.20 |
| 9/16" x 3" | \$0.64 | \$0.63 | \$0.86 | \$0.75 | \$0.14 |
| 9/16" x 4" | \$0.91 | \$0.80 | \$1.14 | \$0.90 | \$0.14 |
| 5/8" x 3" | \$0.70 | \$0.78 | \$1.17 | \$0.80 | \$1.32 |
| 5/8" $\times 4$ " | \$0.88 | \$0.96 | \$1.22 | \$1.10 | \$0.68 |


| 11/16" x 2" | N/A |  |  |  | \$0.25 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 11/16" x 4" | N/A |  |  |  | \$0.29 |
| 3/4" x 3" | \$1.15 | \$1.13 | \$1.53 | \$1.25 | \$1.87 |
| $3 / 4$ " $\times 4$ " | \$1.54 | \$1.53 | \$1.79 | \$1.65 | \$1.94 |
| Bolts Grade 8 Plus |  |  |  |  |  |
| Fine Thread |  |  |  |  |  |
| Price at 1 each |  |  |  |  |  |
| 1/4" x 1" | \$0.05 | \$0.05 | \$0.07 | \$0.06 | \$0.06 |
| 1/4" x 2" | \$0.10 | \$0.11 | \$0.13 | \$0.14 | \$0.28 |
| 5/16" x 1" | \$0.10 | \$0.08 | \$0.11 | \$0.09 | \$0.20 |
| 5/16" x 2" | \$0.15 | \$0.16 | \$0.17 | \$0.20 | \$0.21 |
| 3/8" x 2" | \$0.19 | \$0.21 | \$0.22 | \$0.27 | \$0.26 |
| 3/8" x 3" | \$0.28 | \$0.30 | \$0.33 | \$0.40 | \$0.37 |
| 7/16" x 2" | \$0.35 | \$0.30 | \$0.32 | \$0.32 | \$0.24 |
| 7/16" x 3" | \$0.41 | \$0.43 | \$0.44 | \$0.45 | \$0.25 |
| 1/2" x 2" | \$0.36 | \$0.38 | \$0.47 | \$0.44 | \$0.48 |
| 1/2" x 3" | \$0.56 | \$0.56 | \$0.59 | \$0.65 | \$0.72 |
| 9/16" x 2" | \$0.49 | \$0.50 | \$0.59 | \$0.50 | \$0.12 |
| 9/16" $\times$ 3" | \$0.78 | \$0.74 | \$0.86 | \$0.80 | \$0.14 |
| 5/8" x 2" | \$0.62 | \$0.61 | \$0.65 | \$0.65 | \$0.71 |
| 5/8" x 3" | \$0.92 | \$0.87 | \$0.92 | \$0.85 | \$0.75 |
| $3 / 4$ " $\times 3$ " | \$1.30 | \$1.39 | \$1.36 | \$1.30 | \$1.55 |
| $3 / 4$ " $\times 4$ " | \$1.77 | \$1.43 | \$1.68 | \$1.70 | \$1.60 |


| 3/4" $\times 5$ " | \$2.42 | \$1.76 | \$2.06 | \$1.95 | \$1.78 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3/4" $\times 6$ " | \$2.66 | \$2.14 | \$2.46 | \$2.40 | \$1.81 |
| Nuts Grade 8 Plus |  |  |  |  |  |
| Coarse Thread |  |  |  |  |  |
| Price at 1 each |  |  |  |  |  |
| 1/4" | \$0.02 | \$0.02 | \$0.12 | \$0.03 | \$0.07 |
| 5/16" | \$0.03 | \$0.03 | \$0.15 | \$0.04 | \$0.08 |
| 3/8" | \$0.05 | \$0.04 | \$0.19 | \$0.06 | \$0.09 |
| 1/2" | \$0.11 | \$0.10 | \$0.40 | \$0.15 | \$0.27 |
| 9/16" | \$0.18 | \$0.20 | \$0.50 | \$0.22 | \$0.04 |
| 5/8" | \$0.21 | \$0.21 | \$0.64 | \$0.30 | \$0.15 |
| 3/4" | \$0.32 | \$0.34 | \$0.99 | \$0.50 | \$0.23 |
| Nuts Grade 8 Plus |  |  |  |  |  |
| Fine Thread |  |  |  |  |  |
| Price at 1 each |  |  |  |  |  |
| 1/4" | \$0.02 | \$0.03 | \$0.10 | \$0.03 | \$0.02 |
| 5/16" | \$0.04 | \$0.04 | \$0.13 | \$0.05 | \$0.02 |
| 3/8" | \$0.05 | \$0.05 | \$0.17 | \$0.07 | \$0.04 |
| 7/16" | \$0.09 | \$0.10 | \$0.29 | \$0.12 | \$0.05 |
| 1/2" | \$0.12 | \$0.13 | \$0.35 | \$0.16 | \$0.08 |
| 9/16" | \$0.18 | \$0.21 | \$0.45 | \$0.24 | \$0.04 |
| 5/8" | \$0.21 | \$0.25 | \$0.50 | \$0.35 | \$0.15 |
| 3/4" | \$0.32 | \$0.39 | \$0.91 | \$0.55 | \$0.23 |


| Flat Washers |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Grade 8 Plus |  |  |  |  |  |
| 1/4" | \$0.03 | \$0.01 | \$0.06 | \$0.05 | \$0.08 |
| 5/16" | \$0.04 | \$0.02 | \$0.07 | \$0.06 | \$0.09 |
| 3/8" | \$0.05 | \$0.03 | \$0.09 | \$0.08 | \$0.10 |
| 7/16" | \$0.07 | \$0.04 | \$0.10 | \$0.12 | \$0.04 |
| 1/2" | \$0.11 | \$0.06 | \$0.14 | \$0.17 | \$0.25 |
| 9/16" | \$0.15 | \$0.09 | \$0.19 | \$0.26 | \$0.04 |
| 5/8" | \$0.21 | \$0.11 | \$0.27 | \$0.30 | \$0.22 |
| 3/4" | \$0.24 | \$0.14 | \$0.33 | \$0.45 | \$0.23 |
| Lock Washers |  |  |  |  |  |
| Grade 8 Plus |  |  |  |  |  |
| 1/4" | \$0.02 | \$0.01 | \$0.03 | \$0.02 | \$0.08 |
| 5/16" | \$0.03 | \$0.02 | \$0.04 | \$0.03 | \$0.08 |
| 3/8" | \$0.04 | \$0.03 | \$0.06 | \$0.04 | \$0.09 |
| 7/16" | \$0.05 | \$0.04 | \$0.09 | \$0.07 | \$0.22 |
| 1/2" | \$0.11 | \$0.06 | \$0.15 | \$0.08 | \$0.50 |
| 9/16" | \$0.15 | \$0.08 | \$0.20 | \$0.10 | \$0.01 |
| 5/8" | \$0.15 | \$0.11 | \$0.27 | \$0.12 | \$0.13 |
| 3/4" | \$0.22 | \$0.20 | \$0.33 | \$0.18 | \$0.21 |
| Stainless Steel Type 316 |  |  |  |  |  |
| 1/4-20x1/2" | \$0.29 | \$0.13 | \$0.13 | \$0.07 | \$0.20 |
| 1/4-20x3/4" | \$0.33 | \$0.16 | \$0.15 | \$0.09 | \$0.22 |


| 1/4-20x1" | \$0.40 | \$0.19 | \$0.17 | \$0.12 | \$0.30 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1/4-20x1 $1 / 2$ " |  |  |  |  |  |
|  | \$0.55 | \$0.25 | \$0.23 | \$0.15 | \$0.42 |
| 1/4-20x2" | \$0.68 | \$0.31 | \$0.29 | \$0.20 | \$0.30 |
| 5/16-18x1/2" | \$0.49 | \$0.23 | \$0.30 | \$0.10 | \$0.14 |
| 5/16-18x3/4" | \$0.55 | \$0.25 | \$0.24 | \$0.12 | \$0.15 |
| 5/16-18-1 | \$0.64 | \$0.28 | \$0.26 | \$0.14 | \$0.18 |
| 5/16-18x 1/12" | \$0.87 | \$0.39 | \$0.37 | \$0.20 | \$0.36 |
| 5/16-18x2" | \$1.08 | \$0.50 | \$0.45 | \$0.25 | \$0.40 |
| 3/8-16x2 1/2" | \$0.68 | \$0.86 | \$0.87 | \$0.60 | \$0.53 |
| 7/16-14x3/4" | N/A | \$0.43 | \$0.61 | \$0.50 | \$0.22 |
| 7/16-14x1" | \$1.70 | \$0.64 | \$0.61 | \$0.60 | \$0.63 |
| 7/16-14x $11 / 2$ " | \$2.17 | \$0.82 | \$0.80 | \$0.80 | \$0.79 |
| 7/16-14x2" | \$2.76 | \$1.07 | \$1.01 | \$1.00 | \$0.92 |
| 7/16-14x $21 / 2$ " | \$3.32 | \$1.31 | \$1.21 | \$1.25 | \$0.76 |
| 1/2-13x1" | \$1.86 | \$0.88 | \$0.71 | \$0.75 | \$0.48 |
| 1/2-13x 1/1/2" | \$2.31 | \$1.15 | \$0.90 | \$0.95 | \$0.63 |
| 1/2-12x2" | \$2.90 | \$1.35 | \$1.35 | \$1.10 | \$0.66 |
| Stainless Steel Type 316 |  |  |  |  |  |
| 1/2-13x $2^{1 / 2}$ | \$3.47 | \$1.64 | \$1.29 | \$1.30 | \$1.05 |
| 1/2-13x3" | \$3.93 | \$1.92 | \$1.54 | \$1.40 | \$1.39 |
| 5/8-11x $21 / 2 "$ | \$5.86 | \$2.11 | \$2.57 | \$2.25 | \$1.50 |
| 5/8-11x3 1/2" | \$7.49 | \$2.87 | \$3.32 | \$2.75 | \$1.89 |
| 5/8-11x6" | \$12.26 | \$5.19 | \$5.60 | \$4.00 | \$2.55 |


| $3 / 4-10 \times 21 / 2 "$ | \$8.78 | \$3.32 | \$3.97 | \$3.00 | \$1.78 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $33 / 4$-10x $31 / 2$ " | \$11.78 | \$4.29 | \$5.10 | \$3.75 | \$2.85 |
| 3/4-10x6" | \$18.37 | \$8.03 | \$6.65 | \$5.00 | \$4.50 |
| 7/8-9x4" | \$19.53 | \$7.07 | \$8.88 | \$6.00 | \$5.68 |
| 7/8-9x6 | \$26.69 | \$10.76 | \$12.41 | \$9.50 | \$8.20 |
| Stainless Steel Type 316 Flat Washers |  |  |  |  |  |
| 1/4-20x1/2" | \$0.03 | \$0.03 | \$0.09 | \$0.04 | \$0.10 |
| 1/4-20x3/4" |  |  | \$0.11 |  | \$0.10 |
| 1/4-20x1" |  |  | \$0.17 |  | \$0.10 |
| $1 / 4-20 \times 11 / 2 "$ |  |  | \$0.19 |  | \$0.10 |
| 1/4-20x2" |  |  | \$0.29 |  | \$0.10 |
| 5/16-18x1/2" | \$0.07 | \$0.05 | \$0.37 | \$0.05 | \$0.14 |
| 5/16-18x3/4" |  |  | \$0.63 |  | \$0.14 |
| 5/16-18-1 |  |  | \$0.89 |  | \$0.14 |
| 5/16-18x 1/12" |  |  |  |  | \$0.14 |
| 5/16-18x2" |  |  |  |  | \$0.14 |
| 3/8-16x2 $1 / 2$ " | \$0.08 | \$0.06 |  | \$0.06 | \$0.17 |
| 7/16-14x3/4" | \$0.11 | \$0.17 |  | \$0.12 | \$0.12 |
| 7/16-14x1" |  |  |  |  | \$0.12 |
| 7/16-14x 1 1/2" |  |  |  |  | \$0.12 |
| 7/16-14x2" |  |  |  |  | \$0.12 |
| 7/16-14x $21 / 2$ " |  |  |  |  | \$0.12 |
| 1/2-13x1" | \$0.19 | \$0.18 |  | \$0.15 | \$0.15 |


| 1/2-13x 1/1/2" |  |  |  |  | \$0.15 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1/2-12x2" |  |  |  |  | \$0.15 |
| 1/2-13x $2^{1 / 2}$ |  |  |  |  | \$0.15 |
| 1/2-13x3" |  |  |  |  | \$0.15 |
| 5/8-11x $21 / 2$ " | \$0.30 | \$0.28 |  | 0.3 | \$0.26 |
| 5/8-11x3 $1 / 2$ " |  |  |  |  | \$0.26 |
| 5/8-11x6" |  |  |  |  | \$0.26 |
| $33 / 4-10 \times 21 / 2 "$ | \$0.52 | \$0.62 |  | 0.5 | \$0.48 |
| $3 / 4-10 x 31 / 2 "$ |  |  |  |  | \$0.48 |
| 3.4-10x6" |  |  |  |  | \$0.48 |
| 7/8-9x4" | \$0.76 | \$0.65 |  | 0.8 | \$0.15 |
| 7/8-9x6 |  |  |  |  | \$0.15 |
| Stainless Steel Type 316 Lock Washers |  |  |  |  |  |
| 1/4-20x1/2" | \$0.06 | \$0.04 | \$0.05 | \$0.04 | \$0.07 |
| 1/4-20x3/4" |  |  | \$0.06 |  | \$0.07 |
| 1/4-20x1" |  |  | \$0.08 |  | \$0.07 |
| 1/4-20x1 $1 / 2$ " |  |  | \$0.10 |  | \$0.07 |
| 1/4-20x2" |  |  | \$0.14 |  | \$0.07 |
| 5/16-18x1/2" | \$0.11 | \$0.07 | \$0.29 | \$0.05 | \$0.11 |
| 5/16-18x3/4" |  |  | \$0.49 | 0.06 | \$0.11 |
| 5/16-18-1 |  |  | \$0.72 |  | \$0.11 |
| 5/16-18x 1/12" |  |  |  |  | \$0.11 |
| 5/16-18x2" |  |  |  |  | \$0.12 |


| 3/8-16x2 1/2" | \$0.17 | \$0.11 |  |  | \$0.10 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 7/16-14x3/4" | \$0.23 | \$0.13 |  | 0.12 | \$0.11 |
| 7/16-14x1" |  |  |  |  | \$0.11 |
| 7/16-14x $11 / 2$ " |  |  |  |  | \$0.11 |
| 7/16-14x2" |  |  |  |  | \$0.11 |
| 7/16-14x 2 1/2" |  |  |  |  | \$0.11 |
| 1/2-13x1" | \$0.35 | \$0.23 |  | 0.14 | \$0.15 |
| 1/2-13x 1/1/2" |  |  |  |  | \$0.15 |
| $1 / 2-12 \times 2$ " |  |  |  |  | \$0.15 |
| 1/2-13x $2^{1 / 2}$ |  |  |  |  | \$0.15 |
| 112-13x3" |  |  |  |  | \$0.15 |
| 5/8-11x $21 / 2^{\prime \prime}$ | \$0.67 | \$0.44 |  |  | \$0.26 |
| 5/8-11x3 $1 / 2$ " |  |  |  |  | \$0.26 |
| 5/8-11x6" |  |  |  |  | \$0.26 |
| $3 / 4-10 \times 21 / 2 "$ | \$1.06 | \$0.73 |  |  | \$0.08 |
| $3 / 4-10 \times 31 / 2 "$ |  |  |  |  | \$0.78 |
| 3.4-10x6" |  |  |  |  | \$0.08 |
| 7/8-9x4" | \$1.70 | \$0.94 |  |  | \$0.08 |
| 7/8-9x6 |  |  |  |  | \$0.08 |
| Stainless Steel Type 316 Nuts |  |  | \$0.18 |  |  |
| 1/4-20x1/2" | \$0.15 | \$0.08 | \$0.20 | \$0.04 | \$0.14 |
| 1/4-20x3/4" |  |  | \$0.25 |  | \$0.14 |
| 1/4-20x1" |  |  | \$0.37 |  | \$0.14 |


| 1/4-20x1 $1 / 2$ " |  |  | \$0.59 |  | \$0.14 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1/4-20x2" |  |  | \$0.98 |  | \$0.14 |
| 5/16-18x1/2" | \$0.23 | \$0.13 | \$1.66 | \$0.07 | \$0.16 |
| 5/16-18x3/4" |  |  | \$2.26 |  | \$0.16 |
| 5/16-18-1 |  |  |  |  | \$0.16 |
| 5/16-18x 1/12" |  |  |  |  | \$0.16 |
| 5/16-18x2" |  |  |  |  | \$0.16 |
| 3/8-16x2 1/2" | \$0.33 | \$0.19 |  | 0.1 | \$0.17 |
| 7/16-14x3/4" | \$0.60 | \$0.27 |  | 0.2 | \$0.24 |
| 7/16-14x1" |  |  |  |  | \$0.24 |
| 7/16-14x 1 1/2" |  |  |  |  | \$0.24 |
| 7/16-14x2" |  |  |  |  | \$0.24 |
| 7/16-14x $21 / 2 \prime$ |  |  |  |  | \$0.24 |
| 1/2-13x1" | \$0.75 | \$0.43 |  | 0.25 | \$0.40 |
| 1/2-13x 1/1/2" |  |  |  |  | \$0.40 |
| 1/2-12x2" |  |  |  |  | \$0.40 |
| 1/2-13x $2^{1 / 2}$ |  |  |  |  | \$0.40 |
| 1/2-13x3" |  |  |  |  | \$0.40 |
| 5/8-11x $21 / 2$ " | \$1.40 | \$0.83 |  | 0.6 | \$0.43 |
| 5/8-11x3 1/2" |  |  |  |  | \$0.43 |
| 5/8-11x6" |  |  |  |  | \$0.43 |
| $3 / 4-10 \times 21 / 2$ " | \$2.15 | \$1.38 |  | 0.8 | \$0.65 |
| $3 / 4-10 \times 31 / 2$ " |  |  |  |  | \$0.65 |



