

Fiscal Year 2010 Kansas State Cost Estimate
for Practice Components

| 1. Corrugated Metal Pipe (CMP) Riser Dollars per linear foot (Does not include riser base, tees for principal spillway barrel or drawdown pipe, trash rack, or backfill) | Diameter (inches) | 16 Gauge | | 14 Gauge | | 12 Gauge | |
|--|-------------------|------------|----------|------------|----------|------------|----------|
| | | Plain | Aluminum | Plain | Aluminum | Plain | Aluminum |
| | | Galvanized | Steel | Galvanized | Steel | Galvanized | Steel |
| | 12 | \$22 | \$26 | | | | |
| | 15 | \$24 | \$28 | | | | |
| | 18 | \$26 | \$31 | | | | |
| | 21 | \$31 | \$37 | | | | |
| | 24 | \$36 | \$43 | | | | |
| | 30 | | | \$51 | \$61 | | |
| | 36 | | | \$62 | \$74 | | |
| | 42 | | | \$72 | \$86 | | |
| | 48 | | | | | \$100 | \$120 |
| | 54 | | | | | \$120 | \$144 |

| 2. Principal Spillway Tee Dollars per each (Includes 4 feet of pipe and fabrication--add these costs to the CMP riser to determine total riser cost) | Diameter (inches) | 16 Gauge | | 14 Gauge | | 12 Gauge | |
|--|-------------------|------------|----------|------------|----------|------------|----------|
| | | Plain | Aluminum | Plain | Aluminum | Plain | Aluminum |
| | | Galvanized | Steel | Galvanized | Steel | Galvanized | Steel |
| | 8 | \$163 | | | | | |
| | 10 | \$175 | | | | | |
| | 12 | \$212 | \$230 | | | | |
| | 15 | \$245 | \$264 | | | | |
| | 18 | \$279 | \$299 | | | | |
| | 21 | \$324 | \$349 | | | | |
| | 24 | \$343 | \$372 | | | | |
| | 30 | | | \$403 | \$443 | | |
| | 36 | | | \$448 | \$498 | | |
| | 42 | | | \$487 | \$545 | | |
| | 48 | | | | | \$600 | \$680 |

| 3. CMP Principal Spillway Barrel, Drawdown Pipe, or Underground Outlet Dollars per linear foot (Includes pipe and cost of laying--does not include 4 feet of pipe in principal spillway tee, 2 feet of pipe in drawdown pipe tee, or vertical pipe under floor of fish pond outlet structure) | Diameter (inches) | 16 Gauge | | 14 Gauge | | 12 Gauge | |
|---|-------------------|------------|----------|------------|----------|------------|----------|
| | | Plain | Aluminum | Plain | Aluminum | Plain | Aluminum |
| | | Galvanized | Steel | Galvanized | Steel | Galvanized | Steel |
| | 6 | \$12 | \$15 | | | | |
| | 8 | \$16 | \$19 | | | | |
| | 10 | \$19 | \$23 | | | | |
| | 12 | \$22 | \$26 | | | | |
| | 15 | \$24 | \$28 | | | | |
| | 18 | \$26 | \$31 | | | | |
| | 21 | \$31 | \$37 | | | | |
| | 24 | \$36 | \$43 | | | | |
| | 30 | | | \$51 | \$61 | | |
| | 36 | | | \$62 | \$74 | | |
| | 42 | | | \$72 | \$86 | | |
| | 48 | | | | | \$100 | \$120 |

| 4. Drawdown Pipe Tee Dollars per each (Includes 2 feet of pipe, cover plate and flange, one slotted flange attached, and fabrication--add these costs to the CMP riser to determine total riser cost) | Diameter (inches) | 16 Gauge | |
|---|-------------------|------------|----------|
| | | Plain | Aluminum |
| | | Galvanized | Steel |
| | 6 | \$295 | \$333 |
| | 8 | \$346 | \$391 |
| | 10 | \$395 | \$446 |
| | 12 | \$450 | \$508 |
| | 15 ^{1/} | \$494 | \$559 |

^{1/} Slotted flanges not used--add corrugated metal (CM) connecting band

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| 5. Connecting Bands | Diameter (inches) | 16 Gauge | | 14 Gauge | | 12 Gauge | |
|--|----------------------|------------|----------|------------|----------|------------|----------|
| | | Plain | Aluminum | Plain | Aluminum | Plain | Aluminum |
| | | Galvanized | Steel | Galvanized | Steel | Galvanized | Steel |
| A. CM connecting bands - soil-tight Dollars per each (Includes connecting band, bolts, and gasket) | 6 | \$10 | \$12 | | | | |
| | 8 | \$14 | \$16 | | | | |
| | 10 | \$16 | \$20 | | | | |
| | 12 | \$19 | \$23 | | | | |
| | 15 | \$22 | \$26 | | | | |
| | 18 | \$25 | \$30 | | | | |
| | 21 | \$30 | \$35 | | | | |
| | 24 | \$33 | \$40 | | | | |
| | 30 | | | \$43 | \$51 | | |
| | 36 | | | \$54 | \$65 | | |
| | 42 | | | \$63 | \$75 | | |
| | 48 | | | | | \$90 | \$108 |

| B. CM connecting bands - water-tight Dollars per each (Includes band, 2 "O" ring gaskets, and connecting bolts) | Diameter (inches) | 16 Gauge | | 14 Gauge | | 12 Gauge | |
|---|----------------------|------------|----------|------------|----------|------------|----------|
| | | Plain | Aluminum | Plain | Aluminum | Plain | Aluminum |
| | | Galvanized | Steel | Galvanized | Steel | Galvanized | Steel |
| | 6 | \$15 | \$18 | | | | |
| | 8 | \$20 | \$24 | | | | |
| | 10 | \$24 | \$29 | | | | |
| | 12 | \$28 | \$33 | | | | |
| | 15 | \$32 | \$38 | | | | |
| | 18 | \$36 | \$43 | | | | |
| | 21 | \$43 | \$51 | | | | |
| | 24 | \$41 | \$50 | | | | |
| | 30 | | | \$54 | \$64 | | |
| | 36 | | | \$68 | \$81 | | |
| | 42 | | | \$79 | \$94 | | |
| | 48 | | | | | \$104 | \$124 |

| 6. Metal Anti-Seep Collars Dollars per each (Includes materials and fabrication) | Diameter (inches) | Size (inches) | Two-Piece | | | | | |
|--|----------------------|------------------|------------|----------|------------|----------|------------|----------|
| | | | 16 Gauge | | 14 Gauge | | 12 Gauge | |
| | | | Plain | Aluminum | Plain | Aluminum | Plain | Aluminum |
| | | | Galvanized | Steel | Galvanized | Steel | Galvanized | Steel |
| | 12 | 60 | \$451 | \$542 | | | | |
| | 15 | 63 | \$472 | \$566 | | | | |
| | 18 | 66 | \$493 | \$592 | | | | |
| | 21 | 69 | \$507 | \$608 | | | | |
| | 24 | 72 | | | \$578 | \$694 | | |
| | 30 | 78 | | | \$780 | \$936 | | |
| | 36 | 84 | | | | | \$842 | \$1,010 |
| | 42 | 90 | | | | | \$917 | \$1,100 |
| | 48 | 96 | | | | | \$975 | \$1,170 |

| | Unit | Pipe Diameter (inches) | | | | | | | | | | | | | | | | | |
|---|----------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| | | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 21 | 24 | 30 | 36 | 42 | 48 | |
| 7. Steel Base for CMP Riser | each | | | | | | | | \$73 | | \$96 | | \$151 | | \$185 | \$216 | \$411 | \$629 | |
| 8. Slotted Flanges for CMP ^{1/} | pair | | | \$77 | \$99 | \$113 | \$126 | | | | | | | | | | | | |
| 9. Trash Rack for CMP Riser | each | | | | \$156 | \$210 | \$329 | | | \$433 | | \$525 | \$600 | \$979 | \$1,351 | \$1,743 | | | |
| 10. Trash Rack for Canopy Inlet | each | | | \$115 | \$127 | \$139 | \$253 | \$270 | \$281 | \$345 | \$425 | \$475 | \$503 | \$563 | | | | | |
| 11. Guard Rail for CMP Riser | each | | | | | | | | | | | | | | | | \$1,678 | \$1,678 | \$2,034 |
| 12. CMP Pipe Support | | | | | | | | | | | | | | | | | | | |
| A. 6 feet of length below pipe | each | | | \$174 | \$203 | \$231 | \$253 | | \$317 | | \$380 | | \$443 | \$510 | | | | | |
| B. Each additional foot | lin. ft. | | | \$10 | \$13 | \$16 | \$18 | | \$20 | | \$23 | | \$24 | \$27 | | | | | |
| 13. Timber Pipe Support | | | | | | | | | | | | | | | | | | | |
| A. 5 feet of length below pipe | each | | | \$151 | \$151 | \$151 | \$151 | | \$213 | | \$213 | | \$213 | \$264 | \$264 | | | | |
| B. Each additional foot | lin. ft. | | | \$13 | \$13 | \$13 | \$13 | | \$16 | | \$16 | | \$16 | \$20 | \$20 | | | | |
| 14. Fabrication of CMP Elbow | | | | | | | | | | | | | | | | | | | |
| A. Plain galvanized | each | | | \$65 | \$82 | \$98 | \$116 | | \$141 | | \$166 | | \$190 | \$215 | \$280 | \$334 | \$388 | \$502 | |
| B. Aluminized steel | each | | | \$74 | \$92 | \$111 | \$131 | | \$159 | | \$187 | | \$215 | \$243 | \$317 | \$378 | \$438 | \$567 | |
| 15. Fabrication of Canopy Inlet | | | | | | | | | | | | | | | | | | | |
| A. Polyvinyl Chloride (PVC) or plain galvanized | each | | | \$42 | \$63 | \$69 | \$82 | \$88 | \$91 | \$94 | \$101 | \$106 | \$109 | \$131 | \$168 | \$200 | | | |
| B. Aluminized steel | each | | | \$50 | \$76 | \$83 | \$99 | | \$109 | | \$121 | | \$131 | \$157 | \$201 | \$240 | | | |
| 16. Manually Tamped Backfill | | | | | | | | | | | | | | | | | | | |
| A. Riser for drop inlet spillways | lin. ft. | | | | | | | \$3 | \$4 | | \$4 | | \$5 | \$6 | \$7 | \$9 | \$11 | \$13 | |
| B. CMP and plastic pipe barrels | lin. ft. | | | \$1 | \$2 | \$2 | \$3 | \$3 | \$3 | \$3 | \$4 | \$4 | \$4 | \$5 | \$6 | \$8 | \$9 | \$11 | |
| C. Inlet, outlet, and culvert under embankment | lin. ft. | \$0.40 | \$0.50 | \$0.50 | \$0.60 | \$0.70 | \$0.90 | \$1.00 | \$1.10 | \$1.10 | \$1.20 | \$1.30 | \$1.40 | \$1.60 | \$2.10 | \$2.60 | \$3.20 | \$3.80 | |
| 17. Metal End Section (Flared End) | each | | | \$109 | \$109 | \$116 | \$116 | | \$123 | | \$157 | | \$191 | \$232 | \$423 | \$682 | \$1,037 | \$1,201 | |

| | Unit | Pipe Diameter (inches) | | | | | | | | | | | | | | | | | | |
|--|------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 1½ | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 15 | 18 | 21 | 24 | | | | | | | |
| 18. Butyl Rubber Anti-Seep Collars | | | | | | | | | | | | | | | | | | | | |
| A. 36" x 36" | each | \$83 | \$83 | \$83 | \$83 | | | | | | | | | | | | | | | |
| B. 48" x 48" | each | \$94 | \$94 | \$94 | \$94 | \$94 | \$94 | | | | | | | | | | | | | |
| C. 60" x 60" | each | \$158 | \$158 | \$158 | \$158 | \$158 | \$158 | \$158 | \$158 | \$158 | \$158 | | | | | | | | | |
| D. 72" x 72" | each | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 | \$180 |
| 19. Polyethylene (PE) Anti-Seep Collars | | | | | | | | | | | | | | | | | | | | |
| A. 30" x 30" | each | \$95 | \$95 | | | | | | | | | | | | | | | | | |
| B. 48" x 48" | each | | | \$126 | \$126 | \$135 | \$138 | \$143 | | | \$150 | \$158 | | | \$165 | | | | | |
| C. 60" x 60" | each | | | \$195 | \$195 | \$201 | \$207 | \$215 | | | \$225 | \$237 | | | \$248 | | | | | |
| D. 72" x 72" | each | | | \$233 | \$233 | \$237 | \$243 | \$251 | | | \$260 | \$270 | | | \$282 | | | | | |
| 20. Rodent Guard for Terrace Outlet | each | | \$29 | \$30 | \$33 | \$42 | \$55 | | | \$86 | \$120 | | | | | | | | | |

| | Pipe Diameter (inches) | Height (feet) | | | | | | | | Add for Back Flap | | | | | | | | | | |
|--|------------------------|---------------|---------|---------|---------|---------|---------|---------|---------|-------------------|--|--|--|--|--|--|--|--|--|--|
| | | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | | | | | | | | | | | |
| 21. Inline Water Level Control Structure Components | | | | | | | | | | | | | | | | | | | | |
| A. Inline water level control structure (To be placed in the embankment) | 4 | \$541 | \$603 | \$666 | \$728 | \$792 | \$916 | \$1,042 | \$1,152 | \$50 | | | | | | | | | | |
| | 6 | \$557 | \$624 | \$615 | \$757 | \$823 | \$956 | \$1,089 | \$1,199 | \$50 | | | | | | | | | | |
| | 8 | \$592 | \$682 | \$689 | \$859 | \$948 | \$1,127 | \$1,305 | \$1,453 | \$50 | | | | | | | | | | |
| | 10 | \$629 | \$737 | \$760 | \$955 | \$1,064 | \$1,282 | \$1,500 | \$1,680 | \$50 | | | | | | | | | | |
| | 12 | \$737 | \$865 | \$907 | \$1,119 | \$1,246 | \$1,500 | \$1,755 | \$1,963 | \$65 | | | | | | | | | | |
| | 15 | \$792 | \$962 | \$1,043 | \$1,305 | \$1,476 | \$1,817 | \$2,158 | \$2,441 | \$65 | | | | | | | | | | |
| | 18 | \$1,018 | \$1,221 | \$1,348 | \$1,562 | \$1,828 | \$2,233 | \$2,638 | \$2,974 | \$65 | | | | | | | | | | |
| | 24 | | \$1,517 | \$1,714 | \$2,062 | \$2,333 | \$2,877 | \$3,420 | | \$100 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| B. Check valve | 3 | \$70 | \$78 | \$142 | \$194 | \$251 | \$323 | \$562 | \$650 | | | | | | | | | | | |
| C. Bar guard or heavy duty bar guard | | \$61 | \$71 | \$82 | \$96 | \$108 | \$146 | \$166 | \$230 | \$300 | | | | | | | | | | |

| | Unit | Pipe Diameter (inches) | | | | | | | | | |
|---|----------|------------------------|--------|--------|--------|--|--|--|--|--|--|
| | | 6 | 8 | 10 | 12 | | | | | | |
| 22. Gated Irrigation Pipe | | | | | | | | | | | |
| For surface irrigation and wastewater treatment strip | | | | | | | | | | | |
| A. PVC ^{2/} | lin. ft. | \$2.50 | \$3.30 | \$4.20 | \$5.00 | | | | | | |
| B. Aluminum ^{2/} | lin. ft. | \$3.70 | \$5.00 | \$6.30 | \$7.50 | | | | | | |

^{1/} Includes a pair of flanges welded to the pipe, gasket, or mastic and cost of bolting together

^{2/} 30-foot lengths, 30-inch gate spacing (includes tee and end plugs)

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| 23. Plastic Pipe | Unit | Pipe Diameter (inches) | | | | | | | | | | | | | | | |
|---|---------------|--|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|--|
| | | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 21 | 24 | 30 | 36 | |
| A. Principal spillway barrel ^{1/} | | | | | | | | | | | | | | | | | |
| (1) Standard Dimension Ratio (SDR) 17 | lin. ft. | | | \$9.10 | \$12.90 | \$18.10 | \$24.20 | | | | | | | | | | |
| (2) Schedule 80 | lin. ft. | | | \$13.40 | \$17.10 | \$23.80 | \$31.50 | | | | | | | | | | |
| (3) SDR 21 | lin. ft. | \$5.70 | | \$8.20 | \$11.40 | \$15.60 | \$20.30 | | | | | | | | | | |
| (4) Schedule 40 | lin. ft. | | | \$8.60 | \$10.70 | \$14.40 | \$18.80 | | | | | | | | | | |
| (5) SDR 26 | lin. ft. | | | \$7.30 | \$10.00 | \$13.40 | \$17.70 | | | | | | | | | | |
| (6) Dimension Ratio (DR) 25 | lin. ft. | | | \$6.90 | \$9.30 | \$12.30 | \$16.00 | \$25.30 | | \$32.00 | \$39.20 | \$46.60 | | \$66.50 | \$99.10 | \$136.20 | |
| (7) DR 18 | lin. ft. | | | \$8.10 | \$11.40 | \$15.30 | \$20.20 | \$32.60 | | \$41.40 | \$51.00 | \$62.40 | | \$87.70 | | | |
| (8) Corrugated PVC, smooth interior, Pipe Stiffness (PS) 46 | lin. ft. | | | \$6.20 | \$8.70 | \$11.70 | \$15.40 | | \$21.80 | | \$28.70 | | \$38.60 | \$48.10 | \$78.80 | \$99.20 | |
| (9) Corrugated PVC, smooth interior, PS 115 | lin. ft. | | | | \$10.60 | \$14.80 | \$19.90 | | \$28.50 | | | | | | | | |
| (10) Dual wall corrugated PE, smooth interior, with water tight couplings | lin. ft. | | | \$6.00 | \$7.90 | \$9.20 | \$11.00 | | \$13.70 | | \$19.10 | | | \$26.50 | \$38.30 | \$44.30 | |
| B. Underground outlet main conduit ^{2/} | | | | | | | | | | | | | | | | | |
| (1) Smooth PVC | | | | | | | | | | | | | | | | | |
| (a) SDR 21 | lin. ft. | \$4.70 | | \$7.20 | \$10.70 | \$15.10 | \$20.10 | | | | | | | | | | |
| (b) SDR 26 | lin. ft. | \$4.30 | | \$6.40 | \$9.20 | \$12.90 | \$17.40 | | | | | | | | | | |
| (c) SDR 32.5 | lin. ft. | \$4.10 | | \$5.80 | \$8.20 | \$11.50 | \$15.30 | \$20.30 | | \$38.00 | | \$63.10 | \$77.60 | \$107.70 | \$143.10 | \$185.00 | |
| (d) SDR 35 | lin. ft. | \$3.70 | | \$5.20 | \$7.40 | \$10.20 | \$13.60 | \$19.00 | | | | | | | | | |
| (e) SDR 41 | lin. ft. | \$3.70 | | \$5.10 | \$6.90 | \$9.40 | \$12.40 | \$16.40 | | \$31.70 | | \$43.90 | \$63.90 | \$87.60 | \$116.20 | \$150.00 | |
| (2) Corrugated PVC, smooth interior | | | | | | | | | | | | | | | | | |
| (a) PS 46 | lin. ft. | \$4.20 | | \$5.30 | \$7.90 | \$11.20 | \$15.10 | \$21.40 | \$28.10 | | \$37.80 | \$47.70 | \$77.50 | \$99.30 | | | |
| (b) PS 115 | lin. ft. | | | | \$9.90 | \$14.30 | \$19.60 | \$28.10 | | | | | | | | | |
| (3) Single wall corrugated PE | lin. ft. | \$3.00 | \$3.20 | \$3.80 | \$5.00 | \$7.00 | \$8.50 | \$11.80 | \$16.10 | | | \$23.00 | | | | | |
| (4) Dual wall corrugated PE, smooth interior, with soil tight couplings | lin. ft. | \$3.60 | | \$4.80 | \$6.90 | \$8.30 | \$10.20 | \$12.60 | \$17.40 | | | \$24.40 | \$34.40 | \$41.10 | \$57.90 | \$66.30 | |
| C. Underground outlet connections ^{3/} (Underground outlet riser, tee, and fittings) | | | | | | | | | | | | | | | | | |
| | Size (inches) | Prefabricated or PVC Riser Diameter (inches) | | | | | | | | | | | | | | | |
| | 4 | \$78 | \$82 | \$109 | \$148 | \$444 | \$489 | | | | | | | | | | |
| | 6 | \$83 | \$82 | \$109 | \$148 | \$444 | \$489 | | | | | | | | | | |
| | 8 | \$95 | \$98 | \$109 | \$148 | \$444 | \$489 | | | | | | | | | | |
| | 10 | \$113 | \$116 | \$132 | \$148 | \$444 | \$489 | | | | | | | | | | |
| | 12 | \$217 | \$219 | \$236 | \$262 | \$444 | \$489 | | | | | | | | | | |
| | 15 | \$269 | \$271 | \$288 | \$314 | \$511 | \$562 | | | | | | | | | | |
| | 18 | \$311 | \$314 | \$330 | \$356 | \$554 | \$609 | | | | | | | | | | |
| | 24 | \$395 | \$398 | \$414 | \$440 | \$638 | \$701 | | | | | | | | | | |
| D. Livestock water supply line | | | | | | | | | | | | | | | | | |
| (1) SDR 21, PVC | lin. ft. | | \$1.84 | \$1.90 | \$1.97 | \$2.63 | \$3.41 | | | | | | | | | | |
| (2) SDR 26, PVC | lin. ft. | | \$1.70 | \$1.76 | \$1.87 | \$2.42 | \$3.08 | | | | | | | | | | |
| E. Water supply line under dam | | | | | | | | | | | | | | | | | |
| (1) 100 feet, Schedule 40, PVC ^{4/} | each | | | \$381 | \$387 | \$414 | \$635 | | | | | | | | | | |
| (2) Each additional foot of pipe | lin. ft. | | | \$2.15 | \$2.16 | \$2.38 | \$3.99 | | | | | | | | | | |
| (3) 100 feet, SDR 21, PVC ^{4/} | each | | | \$368 | \$375 | \$441 | \$574 | | | | | | | | | | |
| (4) Each additional foot of pipe | lin. ft. | | | \$2.02 | \$2.04 | \$2.65 | \$3.38 | | | | | | | | | | |
| F. Siphon supply line over dam | | | | | | | | | | | | | | | | | |
| (1) 120 feet, 125 psi, PE pipe ^{5/} | each | | \$528 | \$593 | \$718 | | | | | | | | | | | | |
| (2) Each additional foot of pipe | lin. ft. | | \$1.89 | \$2.27 | \$3.14 | | | | | | | | | | | | |
| (3) 120 feet, SDR 26, PVC pipe ^{5/} | each | | \$489 | \$517 | \$544 | | | | | | | | | | | | |
| (4) Each additional foot of pipe | lin. ft. | | \$1.57 | \$1.63 | \$1.69 | | | | | | | | | | | | |
| G. Slotted flume | | | | | | | | | | | | | | | | | |
| (1) Fixed cost for 20 feet of flume | each | | | | | | | \$218 | \$286 | \$388 | \$522 | | | | | | |
| (2) Additional cost per foot | lin. ft. | | | | | | | \$7.30 | \$10.00 | \$13.40 | \$17.70 | | | | | | |

^{1/} Does not include manually tamped backfill

^{2/} Includes trenching and machine-placed backfill

^{3/} When risers are used as "bubble up" structures, add 10 percent if gravel is used as backfill

^{4/} Complete with intake, valve, operating rod, valve box and lid, and manually tamped backfill

^{5/} Complete with intake, valves, valve box, filler pipe assembly, testing, excavation, and manually tamped backfill

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| 24. Miscellaneous Structural Items | | | | | |
|--|----------|----------------|-------------------------------------|-------------------------|-------------------------|
| | Unit | Materials Cost | Installation Cost | Total Installation Cost | |
| A. Concrete | | | | | |
| (1) Formed | cu. yd. | \$105 | \$205 | \$310 | |
| (2) Slab on grade | cu.yd. | \$105 | \$110 | \$215 | |
| B. Steel reinforcement | lbs. | \$0.55 | \$1.15 | \$1.70 | |
| C. Wood picket fences | sq. ft. | \$20 | \$15 | \$35 | |
| D. Geotextiles | sq. yds. | \$1.75 | \$2.25 | \$4.00 | |
| F. Erosion control blankets | sq. yds. | \$1.15 | \$1.15 | \$2.30 | |
| G. Turf reinforcement mats | sq. yds. | \$5.00 | \$4.00 | \$9.00 | |
| H. High-density polyethylene (HDPE) flexible membranes | sq. ft. | \$0.57 | \$0.65 | \$1.22 | |
| I. Sediment control installations | | | | | |
| (1) Silt fence | lin. ft. | \$0.75 | \$2.75 | \$3.50 | |
| (2) Bale barriers | lin. ft. | \$0.85 | \$1.70 | \$2.55 | |
| (3) Earthen dikes | lin. ft. | \$0.00 | \$1.10 | \$1.10 | |
| | | | | | |
| J. Gabion baskets | | | | | |
| K. Reno mattresses | | | | | |
| | Unit | Gabion Cost | Rockfill Materials Cost (delivered) | Installation Cost | Total Installation Cost |
| | sq. yds. | \$27 | \$30 | \$36 | \$93 |
| | sq. yds. | \$37 | \$7.50 | \$12.00 | \$56.50 |
| | | | | | |
| L. Rock riprap (50-mile delivery trip) | | | | | |
| M. Fill sand (15-mile delivery trip) | | | | | |
| N. Drainfill (30-mile delivery trip) | | | | | |
| O. Concrete Blocks (45-mile delivery trip) | | | | | |
| (1) 30" x 30" x 60" | each | \$28 | \$32 | \$29 | \$89 |
| (2) 24" x 24" x 48" or smaller | each | \$16 | \$20 | \$24 | \$60 |
| (3) 8" x 8" x 16" concrete masonry units (CMUs) | each | \$1.15 | \$0.05 | \$2.50 | \$3.70 |