

| Celina WTP Opinion of Probable Construction Cost - Work Package No. 1 Lime Silo Removal, Roof Rehabilitation, and Solids Contact Clarifier Piping Demolition | | | | | | |
|--|----------|------|-----------|---------|------------|-------------------------------------|
| TITLE | Quantity | Unit | Unit Cost | | Unit Price | Total |
| | | | Material | Labor | | |
| SITWORK | | | | | | |
| Excavation | 0 | cy | | | \$10 | \$0 |
| Backfill | 0 | cy | | | \$15 | \$0 |
| Bedding / Agg Fill | 0 | cy | | | \$45 | \$0 |
| STRUCTURAL | | | | | | |
| Demo Lime Silos and Supports | 1 | ls | | | \$100,000 | \$100,000 |
| Demo Roof Deck | 0 | sf | | | \$2 | \$0 |
| Demo Roofing | 2,570 | sf | | | \$2 | \$5,140 |
| Elevated Conc Slab | 13 | cy | \$200 | \$250 | \$450 | \$5,850 |
| Concrete Pump Rental | 1 | day | | | \$1,125 | \$1,125 |
| W10x12 Beam | 240 | lbs | \$1.70 | \$0.50 | \$2.20 | \$528 |
| Metal Decking | 700 | sf | \$2.50 | \$0.35 | \$2.85 | \$1,995 |
| Crane Rental for Roof Deck | 2 | wk | | \$7,370 | \$7,370 | \$14,740 |
| New Roofing | 3,325 | sf | | | \$25 | \$83,125 |
| Misc Flashing / Roofing Details | 1 | ls | | | \$1,000 | \$1,000 |
| Roof Drain Piping | 1 | ls | | | \$1,000 | \$1,000 |
| MECHANICAL | | | | | | |
| Demo 12" Flanged Piping/Fittings/Valves/Sup | 1 | ls | | | \$5,000 | \$5,000 |
| Demo 16" Flanged Piping/Fittings/Valves/Sup | 1 | ls | | | \$5,000 | \$5,000 |
| Demo pumps | 2 | ea | | | \$4,000 | \$8,000 |
| Demo lime silos | 0 | ls | | | \$0 | \$0 |
| Demo lime silo dust collector | 0 | ls | | | \$0 | \$0 |
| 12" Blind Flanges | 3 | ea | \$750 | \$225 | \$975 | \$2,925 |
| 16" Blind Flanges | 1 | ea | \$1,000 | \$300 | \$1,300 | \$1,300 |
| ELECTRICAL and INSTRUMENTATION | | | | | | |
| Electrical | 0 | ls | | | \$0 | \$0 |
| Instrumentation | 0 | ls | | | \$0 | \$0 |
| Sitework Subtotal = Structural Subtotal = Mechanical Subtotal = Elec. and Instrum. Subtotal = | | | | | | \$0 \$214,503 \$22,225 \$0 |
| SUBTOTAL = | | | | | | \$236,728 |

based on \$75-85k estimate from contractor - includes grating, ladders, silos, dust collector, and misc structural demo
 upper roof only
 lower roof only
 silo area only
 silo area only
 Includes operator
 entire lower roof (including silo area)
 2 laborers, 5 days
 2 laborers, 5 days
 2 laborers + 1 electrician, 2 days/pump, including electrical conductors and limited conduit removal
 included above
 included above
 included above

| | | |
|---------------------------------|-----------|-----|
| Contractor's General Conditions | \$23,673 | 10% |
| Subtotal | \$260,401 | |
| Construction Contingency | \$26,040 | 10% |
| Subtotal | \$286,441 | |
| Bonds/Insurance | \$14,322 | 5% |
| Total Construction Costs | \$300,763 | |

Engineer's Opinion of Probable Construction Cost = **\$300,000**