

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			
SITEWORK							
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	based on \$75-85k estimate from contractor - includes grating, ladders, silos, dust collector, and misc structural demo
Demo Roof Deck	0	sf			\$2	\$0	upper roof only
Demo Roofing	2,570	sf			\$2	\$5,140	lower roof only
Elevated Conc Slab	13	cy	\$200	\$250	\$450	\$5,850	silo area only
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	silo area only
Crane Rental for Roof Deck	2	wk		\$7,370	\$7,370	\$14,740	Includes operator
New Roofing	3,325	sf			\$25	\$83,125	entire lower roof (including silo area)
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	2 laborers, 5 days
Demo 16" Flanged Piping/Fittings/Valves/Sup	1	ls			\$5,000	\$5,000	2 laborers, 5 days
Demo pumps	2	ea			\$4,000	\$8,000	2 laborers + 1 electrician, 2 days/pump, including electrical conductors and limited conduit removal
Demo lime silos	0	ls			\$0	\$0	included above
Demo lime silo dust collector	0	ls			\$0	\$0	included above
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	included above
Instrumentation	0	ls			\$0	\$0	
Sitework Subtotal =						\$0	
Structural Subtotal =						\$214,503	
Mechanical Subtotal =						\$22,225	
Elec. and Instrum. Subtotal =						\$0	
SUBTOTAL =						\$236,728	

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**