

**Option 3**  
**Disinfection Only, New Building & Minimal Pipeline**  
**(District Participation in Pipeline)**

**DSPUD Big Bend Water System Improvements**  
**Preliminary Construction Estimate**

August 17, 2018

<b>Item</b>	<b>Quantity</b>	<b>Units</b>	<b>Materials</b>	<b>Labor</b>	<b>Extension</b>	<b>Category</b>
Mobilization		1 l.s.	\$36,000		\$36,000	
Clearing & Grubbing		1 l.s.	\$0	\$5,000	\$5,000	
					→	\$41,000.00
<u>Treatment Building and Restroom</u>						
Site Grading		1 l.s.	\$0	\$8,000	\$8,000	
Slab/Foundation		250 sq ft	\$20	\$20	\$10,000	
Wood frame building		250 sq ft	\$80	\$80	\$40,000	
Gravel Parking and Access		3000 sq ft	\$1	\$2	\$9,000	
Electrical Service		1 l.s.	\$12,000		\$12,000	
Building Electrical		1 l.s.	\$15,000	\$15,000	\$30,000	
					→	\$109,000.00
<u>Treatment System (No Filtration)</u>						
Chemical Feed System		1 ea.	\$2,500	\$1,000	\$3,500	
Flow Meter/Misc. Plumbing		1 ea	\$2,500	\$1,000	\$3,500	
Contact Pipeline		200 l.f.	\$30	\$50	\$16,000	
Chlorine Residual Analyzer		1 ea	\$6,000	\$3,000	\$9,000	
Data Logger/Controller		1 ea	\$4,000	\$4,000	\$8,000	
Autodialer		1 ea	\$4,000	\$2,500	\$6,500	
Misc. Instrumentation/Control Wiring		1 ea	\$10,000	\$10,000	\$20,000	
					→	\$66,500.00
<u>Pipelines</u>						
2" Raw Water Transmission		700 l.f.	\$10	\$0	\$7,000	
4" Treated Water Transmission		700 l.f.	\$20	\$0	\$14,000	
Communication Conduit		700 l.f.	\$5	\$0	\$3,500	
USFS Bridge Crossing		1 l.s.	\$10,000	\$0	\$10,000	
Equipment Rental		1 l.s.	\$13,350	\$0	\$13,350	
					→	\$47,850.00
<u>Miscellaneous</u>						
Rock Excavation		1 l.s.		\$20,000	\$20,000	
					→	\$20,000.00
Construction Subtotal=						\$284,350.00
15% Contingency=						\$42,650.00
Construction Total=						\$327,000.00
Planning/Design/Environmental Permitting to Date (80% funded by grant)=						\$165,000.00
Inspection/Construction Management=						\$20,000.00
Total Project Cost Estimate=						\$512,000.00