

OPINION OF PROBABLE CONSTRUCTION COST

KENNEDY/JENKS CONSULTANTS

Project: City of John Day
WWTP Treatment Alternative 2 - SBR
 Area: John Day, OR

Prepared By: JO/MDH
 Date Prepared: 20-Apr-21
 K/J Proj. No. 2017017*00
 Current at ENR 11,455
 Escalated to ENR _____
 Months to Midpoint of Construct _____

Estimate: **Conceptual**
 Type: **Preliminary (w/o plans)**
Design Development @ 30%

Spec. No.	Division	Description	Qty	Units	Materials		Installation		Equipment		Sub-contractor		Total
					\$/Unit	Total	\$/Unit	Total	\$/Unit	Total	\$/Unit	Total	
	1	General Requirements											
		Mobilization	1	LS		-		-		-	379,000	399,087	399,087
	2	Existing Conditions											
		Site prep	1	LS		-	80,000	84,240		-		-	84,240
		Access Road	1	LS	20,000	21,060	10,000	10,530		-		-	31,590
		Fencing	1	LS	20,000	21,060	5,000	5,265		-		-	26,325
	3	Concrete											
		Headworks building	1	LS	170,000	179,010	80,000	84,240		-		-	263,250
		Operations Building	1	LS	120,000	126,360	65,000	68,445		-		-	194,805
		Thickening and Dewatering Building	1	LS	115,000	121,095	55,000	57,915		-		-	179,010
		Concrete tanks	893	CY	500	446,372	400	357,098		-		-	803,470
		Concrete, ancillary (channels, etc)	300	CY	500	150,000	400	120,000		-		-	270,000
		Manholes	7	EA	3,000	22,113	1,000	7,371		-		-	29,484
	26	Electrical											
		Electrical and instrumentation	25%	LS		-		-		-		-	1,213,728
	33	Utilities											
		Yard Piping	1	LS	125,000	131,625	55,000	57,915		-		-	189,540
	46	Water and Wastewater Equipment											
		Influent Pumps	1	LS	40,000	42,120	15,000	15,795		-		-	57,915
		Effluent Pumps	1	LS	40,000	42,120	15,000	15,795		-		-	57,915
		Coarse Screen	1	LS	173,000	173,000	34,600	34,600		-		-	207,600
		Grit Removal	1	LS	120,000	126,360	50,000	52,650		-		-	179,010
		SBR and Digester	1	LS	584,510	584,510	116,902	116,902		-		-	701,412
		AquaDisk Filter	1	LS	409,670	409,670	81,934	81,934		-		-	491,604
		Screw Press	1	LS	331,000	331,000	66,200	66,200		-		-	397,200
		UV Disinfection	1	LS	242,878	242,878	48,576	48,576		-		-	291,454

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Subtotals													
		Subtotals				3,170,353		1,285,470			-	399,087	4,854,911
		Division 1 Costs	@	10%		317,035		128,547			-	39,909	485,491
		Subtotals				3,487,389		1,414,017			-	438,996	5,340,402
		Taxes - Materials Costs	@	0%		-							-
		Subtotals				3,487,389		1,414,017			-	438,996	5,340,402
		Contractor Markup for Sub	@	15%								65,849	65,849
		Subtotals				3,487,389		1,414,017			-	504,845	5,406,251
		Contractor OH&P	@	15%		523,108		212,103					735,211
		Subtotals				4,010,497		1,626,120			-	504,845	6,141,462
		Bonds and Insurance	@	2.5%									153,537
		Subtotals											6,294,998
		Estimate Construction and Owner Contingency	@	20%									1,259,000
		Subtotals											7,553,998
		Estimated Construction Cost (Rounded)											7,600,000

Estimated Range of Probable Cost		
+30%	Estimate	-15%
\$9,900,000	\$7,600,000	\$6,500,000