Moderate
Engineer's Estimate Checklist for Optimat Confidence

Project Name/Number: CBWTP Digester Expansion/Engineer:	В	rown	and Calduct
	<u> </u>	1	0 1
Level of Effort to prepare this estimate: See a Hoched Basis of Estems included in this estimate:	$\pi_{\mathcal{M}}$	حتك	Keport
Items excluded in this estimate: Estimate is from project	士	BOG	6 ocsion
			
Project Scope	<u>Yes</u>	<u>No</u>	Not Applicable
Is the project scope clearly understood and well defined?	坠		
Are pay items identified according to project specifications?			×
Are materials and quantities accurate for execution of the job?			X
Is the extent of street resurfacing understood and accounted for?			o x
Is utility coordination and/or relocation, and potential project delay, understood		_	5 K
and accounted for in this estimate?			T
Are environmental and soil conditions understood, and are the extent and methods	×		
of any required disposal accounted for in this estimate?	~	_	_
Has Traffic Control been estimated according to project-specific conditions?			≤
Are project-specific mobilization costs understood and accounted for in this estimate?	<u>~</u>		
Have known extra work items, or force account items, been accounted for?	, ,	_	×
Comments:	-	_	^
·			
and the section of th			,
Project Schedule	Yes	<i>No</i>	Not Applicable
Have availability and delivery time of important materials and equipment been checked?			
Has the contract time been determined with/by the Construction Manager?	<i>-</i>	S	
Have contract time cost impacts been accounted for in this estimate?			
Have construction season cost impacts been accounted for in this estimate?	ज्र 8्र		
		0	
Are schedule constraints and/or schedule acceleration requirements understood,			€
well defined, and accounted for in this estimate?	_	_	
Have unusual work time requirements (ie 24 hr work or limited street closure times)			F
been accounted for in this estimate?			
Comments:			
<u>Quality Assurance</u>	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Are quantity take-off calculations and back-up information documented?	A		
Are unit prices verified with vendors and sources documented?	×		
Are historical unit costs adjusted (to midpoint of construction) from projects of similar	×		
scale, similar site and similar construction conditions?			-
Have non-standard items been estimated "bottom-up"?	×		
Is a contingency in this estimate? If so, describe: 20%	\blacktriangleleft		
Are "plug" estimates used? If so, describe:			s <
Was this estimate checked? (quantities and costs)	X		
Comments:			
Bidding Environment	<u>Yes</u>	<u>No</u>	Not Applicable
Is this project directed to the sheltered market and is this accounted for in this estimate?		54	
Has the time/season of advertising been factored into the estimate?		×	
Are circumstances known that would limit the bidding pool and is this accounted for?	M		
Comments: Post-tensioned tank walls, injection exporti	na	and	stone columns
	imail	ar pr	ojects BAC
has recently completed.			**
Implementation Procedures for Capital Projects	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Does the project construction estimate agree with the current budget?		×	
If "No", has a Trend Alert been prepared?		K	a 1
Comments: Brown and Coldwell estimate based	,00	. ্৭০	% design
will be complete mid-January, Will Trend	<u>a p</u>	rojea	T based
Amendment No 1, August 2006 on the Optimal estimate if requi	_ `	₽ a ge	3 01 1.
on the optimal estimate it requi	じゃん		