## JD PROJECT MANAGEMENT PLAN

JOB TITLE STS Orfice Attraction light

Fixture Replacement

DEPARTMENT JDE

PREPARED BY Kelly Steward

DATE 10/11/12



## Description of Work:

Replace all existing 500 watt sts orfice fish attraction light fixtures with led replacement fixtures. These new fixtures will increase the light output in lumens by 60% and reduce energy use by 80%. Maintenance costs and supplies will decrease to almost zero in the first 6 years.

		LABOR HOURS								
	ENGR	DRAFT	MAINT/OP	MAINT	MAINT	Comments (Assumptions and Dependencies)				
Work Tasks	GS-12	GS-9	-	W/F	J	Comments (Assumptions and Dependencies)				
			150							
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TOTALS	0	0	150	ก	0					

ABOR					Schedule Milestone	hedule Milestones				
POSITION	GRADE	(EFF)	HRS	\$ EST	ACTIVITY	DATE	ACTIVITY	DATE		
ENGINEER	GS-12	\$95.69	0	\$0						
DRAFTER	GS-09	\$64.59	0	\$0						
MAINT/OPER	l	\$83.00	150	\$12,450						
MAINT, Work'g Foreman	J (W/F)	\$93.81	0	\$0						
MAINT	J	\$96.20	0	\$0		,				
MAINT	K	\$0.00	0	\$0						
	Subtotal Direct Labor Costs		150	\$12,450						
					EQUIPMENT AND C					
Total L/			OR Costs	\$12,450	DESCRIPTION			\$ EST		
					GTSOL5498FIT25	120-277 LED FIX	TURES 60 EACH	\$25,000		
TASK/BUDGET SUMMAR	<b>Y</b> . (1.1.)			-:-::::::::::::::::::::::::::::::::::::						
Total LABOR Costs				\$12,450						
Total OTHER Costs			\$25,000							
						Total CONTRAC	T & GOVT ORDER Costs	\$25,000		
		SU	<b>JBTOTAL</b>	\$37,450	ACCT INFORMAT	ION				
FECH SECTION COSTS		SU	IBTOTAL	\$37,450	FWI	ON				
		SU			FWI P/R	ON				
TECH SECTION COSTS			10% BUDGET	\$3,745	FWI	ON .				

	Date	October 11, 2012			
	Cust	USACE John Day Dam			
		Kelly Steward			
	Project Name	Fish attraction units		:	
Qu	ota	tion			
	Qty	Description / model no.	Price	UM	Extended
	60	GTSOL5498FIT25-SOLY-120-277	\$418.05	EA	\$25,083.00
		Freight is prepaid.			
		Allow 4-6 weeks delivery.			
			TOTA	L =	\$25,083.00
F.O.B. :	Factory -	or- Crescent branch			
		is subject to our standard terms of sale.			
		d, PRICES are firm for 30 days.	***		
		ipping dates given in advance of actual shipment are es	timated.		
		m this quotation which include a reduction in quantities,			
del	etion of ite	ms, and delays as to release dates, may result in price of	changes.		



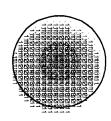
GLOBAL TECH LED 100 W WITH 25 OPTICS

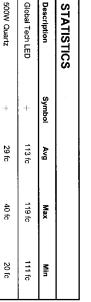










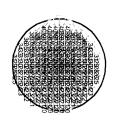


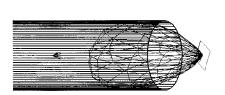






500W QUARTZ





**Scale** 1"=20' **Date** Sep 3 2012 Designer A Riehle Drawing No. 1 of 1

DELIVERED LUMEN PROJECTIONS DO NOT FACTOR LIGHT LOSS THROUGH WATER. ANTICIPATED LIGHT LOSS IS 50%.

2. GENERIC 500W QUARTZ - NO OPTICS

John Day Dam
US Army Corp of Engineers
Illumination Tubes for Salmon Migration

