CITY OF MILPITAS
ENGINEERING DIVISION
ENGINEERS ESTIMATE

JOB TITLE: Sports Center Underwater Pool Lighting							
PROJECT NO 8163							
Bid Date: November 3, 2005							
		Qty	Unit	Engineers Estimate		RAN Electric	
ITEM NO.	DESCRIPTION			Unit	Extension	Unit	Extension
1	Mobilzation	1	LS	$5,000.00	$5,000.00	$2,000.00	$2,000.00
2	Remove abandoned wiring, conduit, j-box, contractor box. Patch paint wall & ceiling.	1	LS	$1,164.00	$1,164.00	$4,320.00	$4,320.00
3	Shutdown & remove wire to pool panel feeder neutral. Install new pool panel feeder neutral.	1	LS	$943.00	$943.00	$900.00	$900.00
4	Demo electrical timeclock, GFI's wiring to existing deck boxes etc.	1	LS	$300.00	$300.00	$320.00	$320.00
5	New 3 pole feeder breaker, master lighting contractor, pool lighting panel, 8 new GFI circuits, lighting controls and timeclock.	1	LS	$2,985.00	$2,985.00	$4,380.00	$4,380.00
6	Conduit from pool lighting panel to new tunnel j-box.	1	LS	$895.00	$895.00	$3,150.00	$3,150.00
7	Tunnel j-box replacement, including meyers hubs.	1	LS	$1,200.19	$1,200.19	$1,250.00	$1,250.00
8	New wire from pool lighting panel to underwater pool light deck boxes at 25 meter and 25 yard pools.	1	LS	$1,592.00	$1,592.00	$4,000.00	$4,000.00
9	Seal multiple underground conduits at each deck box group (4 deck box groups)	4	EA	$169.63	$678.52	$250.00	$1,000.00
10	Overhead deck lights conduit repair (tunnel entrance to tunnel entrance to tunnel j-box) including new #10 THHN wire.	1	LS	$342.00	$342.00	$1,350.00	$1,350.00
11	Deck removal and repair.	9	SF	$329.67	$2,967.03	$1,080.00	$9,720.00
12	Repair underwater pool light conduit.	1	LS	$563.50	$563.50	$250.00	$250.00
13	Replace underwater lights including #8 internal ground bond with epoxy kits - 25 yard pool.	8	EA	$496.15	$3,969.20	$794.50	$6,356.00
14	Replace underwater pool lamps (lamp & gasket). Remove & replace internal #8 ground bond with epoxy kits - 25 meter pool.	8	EA	$107.81	$862.48	$480.00	$3,840.00
15	Remove training pool underwater lights & install PVC cover plate. Remove and replace interanl #8 ground bond with epoxy kits.	2	EA	$264.50	$529.00	$750.00	$1,500.00
16	Test wiring & GFI's circuit breakers to underwater pool light deck boxes.	1	LS	$1,311.00	$1,311.00	$300.00	$300.00
17	Test underwater pool lights 25 yard and 25 meter pools.	16	EA	$83.38	$1,334.08	$120.00	$1,920.00
18	Wet niche ground testing 25 yard, 25 meter and training pool.	18	EA	$80.50	$1,449.00	$120.00	$2,160.00
19	Dewatering of Pool(s)/ Pool(s) Surface Preparation	1	LS	$1,915.00	$1,915.00	$3,800.00	$3,800.00
	Total				$30,000.00		$52,516.00
							Apparent Low Bidder

Budget # _____
Refer # _____

City of Milpitas, California

BUDGET CHANGE FORM

Type of Change	From		To	
	Account	Amount	Account	Amount
Check one: ☒ Budget Appropriation ☐ Budget Transfer	391-9518163153999 390-2940	$25,000 $25,000	391-951816374800 390-3999	$25,000 $25,000

Explain the reason for the budget change:

On October 4, 2005, the City Council approved the project plans and specifications and authorized the advertisement for construction bid proposals. This project replaces the underwater lights at the Sports Center Yard Pool in compliance with the California Health Code, Section 3114B. Illumination of underwater areas provides direct vision and enables surveillance of all swimming activities. The work will include upgraded electrical panels, transformers and light fixtures in compliance with the state health code. The Engineer's estimated construction cost was $30,000.

The project was advertised and sealed bid proposals were opened on November 3, 2005. One bid proposal was received for $43,876.00. The Contractors bid exceeds the Engineers estimate by $13,376, which is 46% of the estimate. The discrepancy between the bids and the Engineers estimate is due to the specialized nature of the work and the size of the project. It is recommended that the bid be awarded rather than rejecting all bids and re-advertising for new bids because of the health and safety nature of the work.

During the field investigation in the design phase of the project, additional electrical items were found to be safety hazards or not in compliance with the current code requirements. Therefore, additional scope was added to the project to include these items of work. A budget appropriation in the amount of $25,000 from the RDA Fund is required to award this project.

Approve budget appropriation for $25,000 from the Redevelopment Agency into Project 8163 for replacement of the underwater pool lights and electrical work.

☒ **Check if City Council Approval required.** **Meeting Date**: November 15, 2005

Itemization of funds, if needed:		Amount

Requested by:	Division Head:	Date:
	Department Head:	Date: 11/7/05
Reviewed by:	Finance Director:	Date: 11/7/05
Approved by:	City Manager:	Date:

Date approved by City Council, if required: Confirmed by:

FI/24786/V

Form 30-222 (Rev. 1/92)