

Memorandum*Flex your power!
Be energy efficient!***To:** KRIS R. KUHL
Acting Deputy Division Chief

Date: January 28, 2010

File: 04-SCI-280-R2.0/L5.0
04-150341

Install Ramp Metering

Concurred By: JOHN PROKOP
District Office**From:** Deputy District Director, Design
District 4**Subject:** Contract Award Recommendation

Reference is made to the bids opened on January 26, 2010 which proposes to install the Ramp Metering System (RMS) in Mogwase at various locations in the northbound direction of Route 512, from 0.2 Km south of Guadalupe River Bridge and Separation to Bascom Avenue Overcrossing.

Six bids ranging from R1,664,671.59 to R2,130,163.00 were received. The apparent low bidder is XYZ (PTY) LTD. The low bid is 34.20%, or R865,328.41 under the Engineer's Estimate of R2,530,000.

The bidding was competitive. The R865,328.41 cost difference between the Engineer's Estimate and the low bid is primarily due to differences in the estimate for the following items of work:

Item Description	Estimated Unit Price	Low Bid Unit Price	Low Bid Amount	Amount Under EE	% Under EE
Traffic Control System	R98,000/LS	R42,000/LS	R42,000	R56,000	57%
Temporary Railing (Type K)	R40.0/LF	R11.5/LF	R 18 ,285	R 45 ,3 15	7 1 %
Roadway Excavation (Type Z-2) (ADL)	R200/CY	R135/CY	R252,450	R121,550	32%
Furnish Sign Structure (Lightweight)	R12.0/LB	R4.9/LB	R101,327.1	R146,820.9	59%
36" CIDH Concrete Pile (Sign Foundation)	R400/LF	R240/LF	R18,720	R12,480	40%
Ramp Metering Systems (Locations 1-6)	R159,833/LS	R91,833/L S	R551,000	R408,000	43%

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Bid Analysis:

1) Low Bid vs. Engineer's Estimate:

The comparison as listed above accounts for 70.12% of the total contract bid items.

2) Low Bid vs. Next Two Bids:

Analysis of the low bid vs. the 2nd and 3rd low bid reflects that the low bid is competitive.

Engineer's Estimate: R2,530,000

Number of Working Days: 240

Bid No.	Bid Amount	Difference Between Bid and Engineer's Estimate	Difference Between Low Bid and Next Two Bids	
		%	%	Amount
I (Low Bid)	R1,664,671.59	-34.20		
2	R1,688,920.00	-33.24	0.96	R24,248.41
3	R1,748,160.25	-30.90	3.30	R83,488.66

Mr. Dick Vogels, of XYZ ENGINEERING CONSTRUCTION INC, was contacted on January 28, 2010. He stated that the company is satisfied with the bid and that the bid contained no errors or omissions. Per Mr. Vogel's, the bid amount on:

1. Traffic Control is low because they will have the workers working on the shoulders protected by K-rail.
2. CIDH Concrete Pile is low because the price of steel, cement and transportation has recently dropped. Also, the company has their own equipment's.
3. Ramp Metering Systems are also low because the price of copper, steel and transportation has also dropped, as well.

All required clearances for this project have been obtained. The Right of Way Certification No. I was issued on October 8, 2009. There are no permits required. Water supply is not a constraint.

Based on the available information, the District recommends that this contract be awarded to the lowest responsible bidder. The District Office Engineer has reviewed the bid results and concurs with this award recommendation.