

Date: December 12, 2023

To: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

From: Daniella Levine Cava
Mayor

Daniella Levine Cava

Agenda Item No. 8(O)(5)

Resolution No. R-1116-23

Subject: Resolution Ratifying the action to Reject all Bids and Re-Advertise Construction Contract W-951 – Alexander Orr Water Treatment Plant West High Service Pump and Motor Improvements East and West Room Electrical Upgrades - VFD (16013) and related to Miami-Dade Water and Sewer Department's Consent Decree and Capital Improvement Programs Acceleration Ordinance

Executive Summary

This item seeks ratification of the Miami-Dade Water and Sewer Department's rejection of all bids for Construction Contract W-951 - Alexander Off Water Treatment Plant West High Service Pump and Motor Improvements East and West Room Electrical Upgrades – Variable Frequency Drives (VFD) (16013). The bids received were nearly three (3) times the Engineer of Record's (EOR's) estimate and the EOR concluded that the bids were too high for the scope of work. It is the intent to review the original solicitation, investigate the discrepancy between the bids and the estimate, and re-advertise the project incorporating any necessary changes.

Recommendation

Pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8.2.12 of the Code of Miami-Dade County, it is recommended that the County Mayor or County Mayor's designee ratify this recommendation to reject all bids received by WASD in response to the May 11, 2023, solicitation for Contract No. W-951 and re-advertise the project.

Capital Improvement Project

This project is for the electrical and mechanical upgrades, including replacement of motors and pumps, at the West High Service Pump Room in the Alexander Orr Water Treatment Plant (AOWTP). These electrical and mechanical upgrades are needed as part of the Water Reset Program for the renewal and replacement of equipment that has reached the end of its useful life, as well as to implement more advanced and efficient technology to provide more resilient and sustainable water service.

Item 1 –Ratification of the rejection of all bids of Construction Contract W-951 for the upgrade of the electrical system and mechanical equipment of the West High Service Pump Room at AOWTP. The contract bids were rejected on August 11, 2023, and attested by the Clerk's Office on August 11, 2023.

SCOPE

As shown on Exhibit A, which provides basic information about this item, the Project is in District 6, which is represented by Commissioner Kevin Marino Cabrera.

Delegation of Authority

This contract was rejected pursuant to Section 2-8.2.12 of the Miami-Dade County Code related to WASD's Acceleration Ordinance, which delegates authority to the County Mayor or County Mayor's designee to reject certain projects, and among other things, negotiate and settle claims, and execute change orders that do not exceed ten percent (10%) of the base contract amount, subject to ratification by the Board.

Track Record/Monitoring

WASD's Deputy Director of Planning, Regulatory Compliance & Capital Infrastructure, Marisela Aranguiz-Cueto, will oversee the implementation of this project.

Due Diligence/Safety Information

Due diligence was conducted by WASD on the bids, there was no review by the Internal Services Department (ISD) Small Business Division.

Fiscal Impact / Funding Source

There is no fiscal impact to the County for the rejection of bids.

Background

On September 3, 2014, the Board approved Ordinance No. 14-77 authorizing the County Mayor or County Mayor's designee to award contracts for funded capital projects and related goods and services, to reject bids and proposals received in connection with any competitive Procurement, and to accelerate the approval of WASD's (1) Consent Decree projects and (2) projects identified in WASD Multi-Year Capital Plan's Capital Improvement Program without the need for prior Board approval but subject to ratification by the Board.

On August 2, 2023, WASD received two (2) bids for W-951 in response to a solicitation advertised on May 11, 2023. The low bid of \$35,001,750.00 was nearly three (3) times more than the engineer's estimate of \$12,631,865.16. The Engineer of Record reviewed the bids, concluded that the bid was too high for the scope of work involved, and recommended rejecting all bids.

It is in the best interest of the County to reject all bids, review the solicitation, investigate the discrepancy between the bids and the estimate, and re-advertise the project incorporating any necessary changes.

Exhibit A includes the details of the competitive bid for which ratification of the rejection of all bids is being requested. Exhibit A contains the information bulleted below for the contract bid rejection:

- Item Number
- Department Name
- Type of Solicitation
- Contract Type
- Contract No. / Project No.

Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners
Page 3

- Project Name
- Commission District
- Brief Project Description

Attached as Exhibit B is the recommendation to Reject all Bids and Re-Advertise the contract referenced in Item No. 1 in this memorandum.

Attachments

A handwritten signature in blue ink, appearing to read 'J. Morales', is positioned above a horizontal line.

Jimmy Morales
Chief Operations Officer



MEMORANDUM

(Revised)

TO: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

DATE: December 12, 2023

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(O)(5)

Please note any items checked.

- ☐ "3-Day Rule" for committees applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Statement of social equity required
- ☐ Ordinance creating a new board requires detailed County Mayor's report for public hearing
- ☒ No committee review
- ☐ Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____ to approve
- ☐ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(O)(5)
12-12-23

RESOLUTION NO. _____ R-1116-23

RESOLUTION RATIFYING REJECTION OF ALL BIDS AND RE-ADVERTISING OF CONSTRUCTION CONTRACT FOR HIGH SERVICE PUMP AND MOTOR IMPROVEMENTS EAST AND WEST ROOM ELECTRICAL UPGRADES – VFD (16013), CONTRACT NO. W-951, PURSUANT TO SECTION 2-8.2.12 OF THE CODE OF MIAMI-DADE COUNTY, MIAMI-DADE WATER AND SEWER DEPARTMENT’S CONSENT DECREE AND CAPITAL IMPROVEMENT PROJECTS ACCELERATION ORDINANCE

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA that this Board:

Section 1. Approves the foregoing whereas clause and incorporation the same here as if fully set forth herein.

Section 2. Ratifies the Rejection of all Bids and Re-Advertising of Construction Contract for High Service Pump and Motor Improvements East and West Room Electrical Upgrades – VFD (16013), Contract No. W-951, pursuant to section 2-8.2.12 of the Code of Miami-Dade County, Miami-Dade Water and Sewer Department’s Consent Decree and Capital Improvement Projects Acceleration Ordinance, as set forth in the accompanying memorandum.

The foregoing resolution was offered by Commissioner **Anthony Rodriguez** , who moved its adoption. The motion was seconded by Commissioner **Raquel A. Regalado** and upon being put to a vote, the vote was as follows:

Oliver G. Gilbert, III, Chairman	aye		
Anthony Rodríguez, Vice Chairman	aye		
Marleine Bastien	absent	Juan Carlos Bermudez	aye
Kevin Marino Cabrera	aye	Sen. René García	aye
Roberto J. Gonzalez	aye	Keon Hardemon	absent
Danielle Cohen Higgins	aye	Eileen Higgins	aye
Kionne L. McGhee	aye	Raquel A. Regalado	aye
Micky Steinberg	aye		

The Chairperson thereupon declared this resolution duly passed and adopted this 12th day of December, 2023. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.



MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

JUAN FERNANDEZ-BARQUIN, CLERK

By: Basia Pruna
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Angela F. Benjamin

Exhibit A

Ratification of Reject all Bids and Re-Advertise Contract Awards Authorized by the WASD Accelerate Ordinance

Item No.	Dept. Name	Type of Solicitation	Contract Type	Contract No.		Project Name	Firm Awarded	Commission District	Contract Amount	Funding Source(s)	Operations and Maintenance Costs	Est. Start Date	Contract Measures				Brief Project Description
				Contract No.	Project No.								SBE Goods & Services	SBE A/E	SBE Construction	CWP Program	
1	WASD	County Bid Process	Construction Contract	Contract No. W-951		High Service Pump and Motor Improvements East and West Room Electrical Upgrades	REJECT ALL BIDS	District 6 (Kevin Marino Cabrera)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	This project consists of furnishing materials, labor, and equipment necessary for upgrading the existing electrical and mechanical equipment within the West High Service Pump Room at the AOWTP, which is located at 6825 SW 87th Avenue in Miami. The upgrades include replacement of the existing high-service pumps and motors, installation of a standalone prefabricated electrical building, and associated electrical, process, mechanical, and structural improvements. The purpose of these upgrades is to replace old equipment that has reached the end of its useful life and to provide greater electrical reliability to pump operations and increase the level of automation of the facility. The project is a part of WASD's Water Reset Program, which is a priority initiative for the Department to reinvest in its water infrastructure to ensure sustainable and resilient service.

Total Dollar Value of Award: \$0.00

MDC007

Memorandum



Date: August 10, 2023

To: Roy Coley, Director
Water and Sewer Department

From: Marisela Aranguiz-Cueto, P.E., *myac*
Deputy Director of Planning, Regulatory Compliance, and Capital Infrastructure
Water and Sewer Department

Subject: Request to Reject all Bids and Re-Advertise Contract No. W-951, High Service Pump and Motor Improvements East and West Room Electrical Upgrades - VFD (16013)

RECOMMENDATION:

Pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8.2.12 of the Code of Miami-Dade County, it is recommended that the County Mayor or County Mayor's designee approve this recommendation to reject all bids received by WASD in response to the May 11, 2023 solicitation for Contract No. W-951 and re-advertise the project.

DELEGATION OF AUTHORITY:

The County Mayor or County Mayor's designee is authorized to reject bids pursuant to the provisions of Section 2-8.2.12 (4)(b) of the Code of Miami-Dade County.

PROJECT NAME:

W-951, High Service Pump and Motor Improvements East and West Room Electrical Upgrades - VFD (16013)

PROJECT DESCRIPTION:

The project scope of work is to upgrade the electrical system and mechanical equipment of the West High Service Pump Room at AOWTP. The project period is 345 calendar days to Substantial Completion and 400 calendar days to Final Completion, with a 40 calendar day time contingency allowance.

PROJECT LOCATION:

This project impacts District 6, which is represented by Commissioner Kevin Marino Cabrera. The project scope of work is to upgrade the electrical system and mechanical equipment of the West High Service Pump Room at AOWTP. The project period is 345 calendar days to Substantial Completion and 400 calendar days to Final Completion, with a 40 calendar day time contingency allowance.

FISCAL IMPACT / FUNDING SOURCE:

There is no fiscal impact to the County for the rejection of bids

TRACK RECORD / MONITOR/ SBD HISTORY OF VIOLATIONS:

Due diligence was conducted by WASD on the bids, there was no review by the Internal Services Department Small Business Division.

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RECEIVED BY CLERK
Circuit & County Courts
Miami-Dade County, Florida
FILED FOR RECORD
12:16:38 PM, 8/11/2023
CLERK OF THE BOARD

Roy Coley, Director

Recommendation to Reject all Bids and Re-Advertise Contract No. W-951

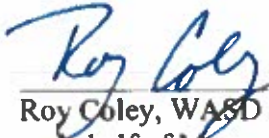
Page 2 of 2

EXPLANATION:

On August 2, 2023, WASD received two (2) bids for W-951 in response to a solicitation advertised on May 11, 2023. As shown below, the low bidder was nearly three (3) times more than the engineer's estimate. The Engineer of Record has reviewed the bids and recommended rejecting all bids.

Engineer's Estimate	Poole & Kent Company of Florida	MCM
\$12,631,865.16	\$35,001,750.00	\$41,598,582.83

It is in the best interest of the County to reject all bids, review the solicitation, investigate the discrepancy between the bids and the estimate, and re-advertise the project incorporating any necessary changes.



Roy Coley, WASD Director
on behalf of Mayor Daniella Levine Cava



DATE

From: Camacho, Jorge
To: Adams, Paul (WASD); Altamirano, Antoinette A. (WASD); Serrano, Luis (WASD); Brown, Hugh P. (WASD)
Cc: Rodriguez, Jean-Marie (WASD); Diaz, William (WASD)
Subject: RE: W-951 EOR Recommendation
Date: Tuesday, August 8, 2023 5:02:26 PM
Attachments: image001.png
image003.png

EMAIL RECEIVED FROM EXTERNAL
SOURCE

Hola Paul, I have been working with our Senior Electrical Estimator. I will provide an official response tomorrow. But yes, all bids need to be rejected.

Jorge I. Camacho, PE, ENV SP
Pronouns: he/him
Senior Project Manager

HDR
8333 NW 53rd Street, Suite 302
Doral, Florida 33166
D 786 264 3863 M 787 409 8540

Jorge.Camacho@HDRINC.com

hdrinc.com/follow-us

From: Adams, Paul (WASD) <Paul.Adams@miamidade.gov>
Sent: Tuesday, August 8, 2023 5:00 PM
To: Camacho, Jorge <Jorge.CamachoMonserate@hdrinc.com>; Altamirano, Antoinette A. (WASD) <Antoinette.Altamirano@miamidade.gov>; Serrano, Luis (WASD) <Luis.Serrano@miamidade.gov>; Brown, Hugh P. (WASD) <Hugh.Brown@miamidade.gov>
Cc: Rodriguez, Jean-Marie (WASD) <Jean-Marie.Rodriguez@miamidade.gov>; Diaz, William (WASD) <William.Diaz@miamidade.gov>
Subject: RE: W-951 EOR Recommendation

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Jorge

Just following up on your conclusions regarding the bid. Should we be rejecting all bids?

Paul

Paul F. Adams
Chief, Construction Contracts Division
Miami-Dade Water and Sewer Department
3071 SW 38 Ave., Suite 107, Miami, Florida 33146
Office: (786) 552-8178 Cell: 786-863-9425
www.miamidade.gov/water

From: Camacho, Jorge <Jorge.CamachoMonserate@hdrinc.com>
Sent: Thursday, August 3, 2023 7:36 AM
To: Altamirano, Antoinette A. (WASD) <Antoinette.Altamirano@miamidade.gov>; Serrano, Luis (WASD) <Luis.Serrano@miamidade.gov>; Brown, Hugh P. (WASD) <Hugh.Brown@miamidade.gov>
Cc: Adams, Paul (WASD) <Paul.Adams@miamidade.gov>; Rodriguez, Jean-Marie (WASD) <Jean-Marie.Rodriguez@miamidade.gov>; Diaz, William (WASD) <William.Diaz@miamidade.gov>
Subject: RE: W-951 EOR Recommendation

EMAIL RECEIVED FROM EXTERNAL SOURCE

Received. These costs are outrageous! I sent the bid tally to our Senior Electrical Cost Estimator and he will provide me his analysis on Monday. But again, the costs presented are NOT a real representation of the scope included in this project.

Jorge I. Camacho, PE ENV SP
Pronouns: he/him
Senior Project Manager

HDR
8333 NW 53rd Street, Suite 302
Doral, Florida 33166
D 786.264 3863 M 787 409 8540

Jorge.Camacho@HDRINC.com

hdrinc.com/follow-us

From: Altamirano, Antoinette A. (WASD) <Antoinette.Altamirano@miamidade.gov>
Sent: Wednesday, August 2, 2023 3:26 PM
To: Serrano, Luis (WASD) <Luis.Serrano@miamidade.gov>; Camacho, Jorge <jorge.camachomonserate@hdrinc.com>; Brown, Hugh P. (WASD) <Hugh.Brown@miamidade.gov>
Cc: Adams, Paul (WASD) <Paul.Adams@miamidade.gov>; Rodriguez, Jean-Marie (WASD) <Jean-Marie.Rodriguez@miamidade.gov>; Diaz, William (WASD) <William.Diaz@miamidade.gov>; Altamirano, Antoinette A. (WASD) <Antoinette.Altamirano@miamidade.gov>
Subject: W 951 EOR Recommendation

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Attached please find the bid submission from the Poole & Kent on W-951 along with the bid tally. I have also attached the bid proposal for MCM for your review. Please provide the EOR review and recommendation letter as soon as possible.

Thank you,

Antoinette Altamirano, Construction Contracts Specialist

Construction Contracts Division
Miami-Dade Water and Sewer Department
3071 SW 38 Avenue, Suite 107-05, Miami, Florida 33146
Email: antoINETte.altamirano@miamidade.gov
Office: 786-552-8396



Memo

Date: Thursday, August 10, 2023

Project: W-951 (16013) - High Service Pump and Motor Improvements Eastand West Room Electrical Upgrades

To: Luis Serrano, PE (WASD PM)

Paul Adams (WASD - Chief, Construction Contracts Division)

From: Jorge Camacho, PE (HDR PM)



Trooper Shaw (HDR – Senior Cost Estimator)

Subject: W-951 – High Service Pump and Motor Improvements Eastand West Room Electrical Upgrades – Bid Review

HDR has completed the evaluation of the bid tally provided by WASD for the project in the subject, where only two (2) contractors participated. A project of this magnitude is not normal to have such small participation, especially when the compulsory pre-bid site visit was attended by many different companies. On top of that during the bid process we where able to answer multiple questions from different companies that were interested in this project.

HDR evaluated the bid tally, item by item and the difference between the two bidders was significant. We took a look back to the costs provided and we were able to capture an increment in some electrical components, labor and supply change related items. This new evaluation would add approximately \$4M on top of the \$12.6 M included in the bid documents. But there's no justification for an increment to \$35M or \$41M as presented by Poole and Kent Company of Florida and MCM, respectively.

HDR his recommending to reject these bid results and re-bid the project again. HDR will review the qualification requirements to open this bid to a wider group of Contractors without jeopardizing the quality of the work.

Attachment: Bid Tally – with comments from HDR

W-951 Bid Tally

Project:	16013 - High Service Pump and Motor Improvements Eastland West Room Electrical Upgrade - VFD			Engineer's Estimate		Pools & Kent Company of Florida		MCM		HDR comments
Bid Open Date:	08.02.2023 7:30 PM					Wendy Campbell		Sebastian Loeor		
						wendy@pkcflorida.com		sloeor@mcm-us.com		
						13813281830				
Base Bid	Description	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
001	For performing preparatory work including setting up temporary facilities, preparing shop drawing submittals, and the mobilization to the Project site of the CONTRACTOR's construction equipment, supplies, materials, personnel, safety equipment and first aid supplies, etc., including the costs of bonds, required insurance, and other preconstruction expenses, but excluding the costs of materials which are paid under other bid items, complete, the aggregate sum of	1	AS	300,000.00	300,000.00	2,800,000.00	2,800,000.00	3,677,609.67	3,677,609.67	877 K variance between two bidders.
002	For the demolition of the existing pump motors, transformers, and associated materials, complete, the aggregate sum of	1	AS	213,158.74	213,158.74	725,000.00	725,000.00	402,800.00	402,800.00	300 K variance between two bidders
003	For all general site civil work, complete, the aggregate sum of	1	AS	60,000.00	60,000.00	1,400,000.00	1,400,000.00	450,000.00	450,000.00	950 K variance between two bidders
004	For furnishing and installing the prefabricated electrical building, complete, the aggregate sum of	1	AS	3,159,220.00	3,159,220.00	4,300,000.00	4,300,000.00	4,226,800.00	4,226,800.00	It would appear some additional cost came into play in the time between the estimate and bid. Roughly one year and three months.
005	For furnishing and installing new 10MVA transformer T4 complete with liquid containment, primary and secondary ductbanks, cables and connections as required in the Contract Drawings and Specifications.	1	AS	407,520.00	407,520.00	900,000.00	900,000.00	1,963,400.00	1,963,400.00	1 M variance between two bidders. Quote provided to engineer was 350K each
006	For furnishing and installing remaining electrical equipment, complete, the aggregate sum of	1	AS	3,893,410.00	3,893,410.00	7,000,000.00	7,000,000.00	5,322,200.00	5,322,200.00	Over 1,677,800.00 variance (that) would make one think limited competition of electrical bidders, excessive equipment values and higher than anticipated markups
007	For furnishing and installing new vacuum priming pump system and associated process equipment, complete, the aggregate sum of	4	EA	24,000.00	96,000.00	150,000.00	600,000.00	187,100.00	748,400.00	Significant difference from the quotation received by HDR Team.
008	For all the structural work associated with construction, and all other necessary structural components, complete the aggregate sum of	1	AS	64,000.00	64,000.00	1,900,000.00	1,900,000.00	500,000.00	500,000.00	1,400,000.00 variance between bidders. Structural work in this project is minor slab for POC and transformers, refurbish of motor base.
009	For furnishing and installing all instrumentation and control equipment, complete, the aggregate sum of	1	AS	260,000.00	260,000.00	600,000.00	600,000.00	751,100.00	751,100.00	
010	For furnishing and installing all heat ventilation air conditioning (HVAC) equipment, complete, the aggregate sum of	1	AS	90,000.00	90,000.00	400,000.00	400,000.00	704,600.00	704,600.00	Seems very excessive given the cost obtained to provide this estimate
011	For furnishing and installing four (4) 2000HP medium voltage induction motors and all its appurtenances, complete, the aggregate sum of	4	EA	281,400.00	1,125,600.00	2,000,000.00	8,000,000.00	795,000.00	3,180,000.00	Seems very excessive given the cost obtained to provide this estimate. Motor costs have soared in the last year and three months

W 951 Bid Entry

Project	18013 - High Service Pump and Motor Improvements Eastwood West Room Electrical Upgrades - VFD				Engineer's Estimate		Poots & Kent Company of Florida		MCM		HDR comments
Bid Open Date	06/02/2021 1:30 PM						Wendy Campbell wendy@p-k.com 1383751838		Sebastian Lopez slooper@mcm-us.com		
	Description	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
012	For Furnishing all labor, equipment, and materials required for offloading, storing, loading, transporting, offloading, and installing two (2) 2000HP constant speed (RVSS) pump motors and two (2) 2000HP variable speed (VFD/RVSS) pump motors, as shown on the drawings and specifications of this Contract.	1	AS	877,213.00	877,213.00	1,000,000.00	1,000,000.00	13,193,100.00	13,193,100.00	Engineer had rec'ed a quote of 860K so this variance especially between bidders is hard to calculate	
013	For Pre-commissioning, Commissioning, and Acceptance Testing services, complete the aggregate sum of	1	AS	150,000.00	150,000.00	300,000.00	300,000.00	87,100.00	87,100.00	Over 200 K variance between bidders Double of engineers estimate is hard to calculate	
014	For all remaining work after Substantial Completion, including final cleanup and addressing punch list items as identified by the ENGINEER and/or DEPARTMENT, complete the aggregate sum of	1	AS	75,000.00	75,000.00	150,000.00	150,000.00	50,000.00	50,000.00	Over 100 K variance between bidders Double of engineers estimate is hard to calculate	
015	OPTIONAL - IF ORDERED BY THE ENGINEER - For Furnishing and installing electrical equipment associated with BID ALTERNATE 1 - TRANSFORMER TS, excluding any costs associated with work described in the base bid package, complete the aggregate sum of	1	AS	407,520.00	407,520.00	900,000.00	900,000.00	1,555,800.00	1,555,800.00	Over 655 K variance between bidders Double of engineers estimate is hard to calculate	
Base Bid Cost Total					11,178,641.74		20,875,600.00		34,813,900.00		
Dedicated Allowance											
500	For all costs of required permits, fees, impact fees, inspections, if ordered by the ENGINEER, the sum of 3% of the Base Bid	1	AS	335,359.25	335,359.25	929,250.00	929,250.00	1,104,382.20	1,104,382.20	Calculation is driven by bottom line	
Dedicated Allowance Cost Total					335,359.25		929,250.00		1,104,382.20		
Contingency											
900	For Unforeseeable Conditions, Minor Construction Changes and Quantity Adjustments, additional work not covered by other items, if ordered by the ENGINEER, the sum of 10% of the Base Bid	1	AS	1,117,864.17	1,117,864.17	3,097,500.00	3,097,500.00	1,681,290.96	1,681,290.96	Calculation is driven by bottom line	
Contingency Cost Total					1,117,864.17		3,097,500.00		1,681,290.96		
Total Contract					12,631,865.16		35,001,350.00		41,578,572.81	14,600,000.00	