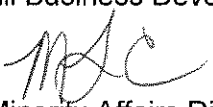


Memorandum



Date: August 10, 2017

To: Gary Hartfield, Division Director
Internal Services Department, Small Business Development

From: Milton L. Collins, Associate Director 
Miami-Dade Aviation Department, Minority Affairs Division

Subject: Recommendation of Contract Measures
MIA Tank Farm Utilities Modifications
Project No. W016A

RECOMMENDATION:

This is a request for Small Business Development (SBD) to approve the attached request for the MIA Tank Farm Utilities Modifications, Project No. W016A. The Minority Affairs Division and the User Division staff have evaluated the subject project and recommend a 10% SBE/Construction and SBE/Goods & Services 0.5% Program Goals. The Community Workforce Program (CWP) goal of 10% is also applicable to this project.

The term of the project will be for two-hundred (200) days, with a start date of mid-January 2018, it should be completed by the end of June 2018. The Contract Estimated amount is \$1,220,000.00.

SCOPE OF SERVICES:

As requested by Miami-Dade Aviation Department (MDAD), Services for this project is being requested, for the Construction Services for the: Miami International Airport (MIA) – Tank Farm Utilities Modification, MDAD Project No. W016A.

The project goal is to relocate the overhead electrical (FPL) and Telecommunications (AT&T) lines to under ground duct banks in the vicinity of Perimeter Road and the MIA Tank Farm.

Associated with this utility relocation effort are: detour /maintenance of traffic (MOT) in the closure of Perimeter Road at MIA's Tank Farm and MOT activities within MIA's Tank Farm; landscaping; and paving activities.

This contract will only be responsible for excavation, removal of contaminated soil, MOT, concrete duct bank and installation of the pipes that will be provided by FPL and AT&T, backfilling and site restoration. FPL and AT&T will be providing the piping and will be performing that labor for wiring the new utility.

All Breakdown of Services to be performed are attached. Please advise if additional information is needed to complete this process.

Attachments:

c: L. Johnson, SBD
R. Cutie, MDAD
G. Leal, MDAD
J. Powell, MDAD
C. Corrales, MDAD
File

MDAD'S CONTRACT MEASURES AND ANALYSIS WORKSHEET

To: Gary Hartfield, Division Director
Internal Services Department, Small Business Development

From: Milton L. Collins, Associate Director
Miami-Dade Aviation Department
Minority Affairs Division



PROJECT/CONTRACT TITLE: MIA Tank Farm Utilities Modifications
PROJECT/CONTRACT NUMBER: W016A
DEPARTMENT: Miami Dade Aviation Department
ESTIMATED PROJECT COST: \$1,220,000.00
FUNDING SOURCE: TAC-R Administered by the Fuel Facility Operator

DESCRIPTION OF PROJECT/BID:

As requested by Miami-Dade Aviation Department (MDAD), Services for this project is being requested, for Construction Services for the: Miami International Airport (MIA) – Tank Farm Utilities Modification, MDAD Project No. W016A. The project goal is to relocate the overhead electrical (FPL) and Telecommunications (AT & T) line to under-ground duct banks in the vicinity of Perimeter Road and the MIA Tank Farm.

CONTRACT MEASURES RECOMMENDATION:

Measures: SBE/Construction 10%
SBE/Goods & Services .5%
CWP/Community Workforce 10%

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order #3-22 indicates that the SBE-Construction 10% and Implementing Order #3-41 SBE/Goods & Services .5% and Implementing Order #3-37 Community Workforce 10% Program Goal(s) are appropriate for this contract.

**MIA TANK FARM UTILITIES MODIFICATIONS W016A
ESTIMATE OF COMMUNITY WORK FORCE PROGRAM**

ITEM NO.	SPEC NO.	DESCRIPTION OF WORK	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL	Labor Percentage	Labor Cost	Material Cost	Average Wage	Manhours (hours)	Duration (Days)	Manpower (people)
2	01962-5.01.2	STAKED SILT FENCE	LF	1320	\$ 1.75	\$ 2,310.00	20%	\$ 462.00	\$ 1,848.00	\$ 15.00	39.60	1	3.85
3	01962-5.01.3	GEOTEXTILE FABRIC	EA	8	\$ 25.00	\$ 200.00	20%	\$ 40.00	\$ 160.00	\$ 15.00	2.67	0.25	1.33
4	01970-5.01.1	MAINTENANCE OF TRAFFIC CONTROL POLYAN TANK FARM INCL. STEEL PLATES-SHEET G-2 (NOT NOTE #23)	EA	1	\$ 40,000.00	\$ 40,000.00	30%	\$ 12,000.00	\$ 28,000.00	\$ 15.00	800.00	50	2.80
10	P-401-8.1	2" SINGLE LIFT PLANT MAX BITUMINOUS PAVEMENT (SP-42B)	TON	185	\$ 130.00	\$ 24,050.00	5%	\$ 1,202.50	\$ 22,847.50	\$ 15.00	80.17	4	2.51
11	P-402-3.1	BITUMINOUS PRIME COAT (0.80 GAUS) APPLICATION RATE, SS-1H)	SQL	450	\$ 5.00	\$ 2,250.00	25%	\$ 562.50	\$ 1,687.50	\$ 15.00	37.69	1	4.83
12	P-420-5.1	6" NON YELLOW PAVEMENT PAINTING REFLECTIVE BEADS TYPE 1) FOR TANK FARM UTILITIES WITHIN LIMITS OF CONTRIBUTION (LOC)	SE	580	\$ 2.00	\$ 1,160.00	25%	\$ 275.00	\$ 885.00	\$ 15.00	18.83	1	2.29
13	T-504-4.1	SOODING GRAIN	SY	3050	\$ 3.00	\$ 8,150.00	50%	\$ 4,075.00	\$ 4,075.00	\$ 15.00	305.00	4	8.53
14		MODIFICATION TO EXISTING IRRIGATION SYSTEM	EA	1	\$ 50,000.00	\$ 50,000.00	50%	\$ 25,000.00	\$ 25,000.00	\$ 15.00	2,000.00	20	12.50
15		MODIFICATION TO EXISTING LANDSCAPING	EA	1	\$ 40,000.00	\$ 40,000.00	50%	\$ 20,000.00	\$ 20,000.00	\$ 15.00	1,333.33	20	8.33
COST						\$ 179,060.00							

SUBTOTAL CONSTRUCTION COST ESTIMATE (AIP) \$ 179,060.00
 GENERAL ALLOWANCE ACCOUNT (10%) \$ 17,906.00
 Dedicated Inspector General Audit Account (0.025% of Subtotal Construction Cost) \$ 4,476.50
ESTIMATE OF PROBABLE CONSTRUCTION COST \$ 201,442.50

SCOPE OF SERVICES & MINIMUM QUALIFICATIONS

LINE NO.	ITEM NO.	TASK DESCRIPTION-SCOPE	MINIMUM QUALIFICATIONS
2	01562-5.01.2	STAKED SILT FENCE	Minimum requirements: 5 years of business experience. Resumes will be evaluated.
3	01562-5.01.3	GEOTEXTILE FABRIC /MATTLES (EX. INLET PROTECTION PER INLET)	Certification: Qualified Stormwater Management Inspector—for stormwater erosion & sedimentation.
4	01570-5.01.1	MAINTENANCE OF TRAFFIC / TRAFFIC CONTROL PLAN TANK FARM LOC (INCL. STEEL PLATES; SHEET G-2 MOT NOTE #23)	<p>Minimum requirements: 10 years of business experience. Resumes will be evaluated.</p> <p>Certifications:</p> <ul style="list-style-type: none"> • FDOT Approved Temporary Traffic Control (TTC) Intermediate Course for individuals • FDOT Approved Temporary Traffic Control (TTC) Advance Course for Business
10	P-401-8.1	2" SINGLE LIFT PLANT MIX BITUMINOUS PAVEMENT (SP-12.5)	<p>Minimum requirements: 10 years of Business experience, in asphalt paving. Resumes will be evaluated.</p> <p>Certifications:</p> <ul style="list-style-type: none"> • FDOT Approved Temporary Traffic Control (TTC) Intermediate Course for Individuals • FDOT Approved Temporary Traffic Control (TTC) Advance Course for Business
11	P-602-5.1	BITUMINOUS PRIME COAT (0.80 GAL/SY APPLICATION RATE; SS-1H)	<p>Minimum requirements: 10 years of Business experience in parking lot striping and stenciling. Resumes will be evaluated.</p>
12	P-620-5.1	6-INCH YELLOW PAVEMENT PAINTING (REFLECTIVE BEADS TYPE I) FOR TANK FARM UTILITIES WITHIN LIMITS OF CONSTRUCTION (LOC)	<p>Minimum requirements: 10 years of Business experience in parking lot striping and stenciling. Resumes will be evaluated.</p>
13	T-904-5.1	SODDING (BAHIA)	<p>Minimum requirements: 5 years of Business experience, in landscaping and irrigation systems. Resumes will be evaluated.</p>
14	ALT. A - IRRIGATION	MODIFICATION TO EXISTING IRRIGATION SYSTEM	<p>Certifications: Arborist (preferred)</p>
15	ALT. B - LANDSCAPE	MODIFICATION TO EXISTING LANDSCAPING	

MIA TANK FARM UTILITIES MODIFICATIONS W016A

ESTIMATE OF GOODS AND SERVICES 0.5 %

ITEM NO.	SPEC NO.	DESCRIPTION OF WORK	UNIT	TOTAL QUANTITY	Duration (Days)	RATE	TOTAL
		Portable restroom; Delivery maintenance and pick-up	EA	1	200	\$ 30.60	\$ 6,100.00

COST \$ 6,100.00

SUBTOTAL CONSTRUCTION COST ESTIMATE (AIP) \$ 6,100.00

GENERAL ALLOWANCE ACCOUNT (10%) \$ 610.00

Dedicated Inspector General Audit Account (0.026% of Subtotal Construction Cost) \$ 152.50

ESTIMATE OF PROBABLE CONSTRUCTION COST \$ 6,862.50

5th REVISION - Potential SBE / DBE Local participation for MIAMI INTERNATIONAL AIRPORT - TANK FARM UTILITIES MODIFICATION (MDAD Project No. W016A)

In response to the request from MDAD on Thursday, April 20, 2017 9:10am via email, the following items represent the Potential SBE / DBE Local participation for MIAMI INTERNATIONAL AIRPORT - TANK FARM UTILITIES MODIFICATION (MDAD Project No. W016A). CRJ has presented potential Bid-Items that could be justified as Potential SBE / DBE Local participation based on our Engineering Quantities and Estimated Cost of Construction Spreadsheet - BID SET Submittal. Final justification and SBE / DBE Local participation will be determined by Miami-Dade County's Minority Affairs. This estimate has been based on the CRJ / MDAD Meeting on Thursday, 05/18/2017 @ 9:30am. These revisions include: (1) Removal of ALL P-460 Line Items / Pricing; (2) Additional Fees for a Detour / MOT effort; (3) additional dollars allotted for Landscaping. Please note that the 'original' project timeframe has been noted as 150-calendar days; however, the Larger MOT effort has been estimated for a year (i.e., 365-calendar days) since there has been no determination of the Detour / MOT effort. The 3rd REVISION Submittal has now taken into account MDAD's Project Manager's Request to consider the PROJECT DURATION = 200 CALENDAR DAYS. 5th Revision for SBE/DBE Participation per MDAD's phone conversation at 3:30pm Wed 08/02/2017.

LINE NO.	ITEM NO.	DESCRIPTION	Engineer's Estimated Cost	Percentage (%) of Potential Participation of TOTAL PROJECT
2	01582-5-01.2	STAKED SILT FENCE	\$ 2,310.00	0.189%
3	01582-5-01.3	GEOTEXTILE FABRIC/WATTLES (EX. INLET PROTECTION PER INLET)	\$ 200.00	0.016%
4	01570-5-01.1	MAINTENANCE OF TRAFFIC / TRAFFIC CONTROL PLAN TANK FARM LOC (INCL. STEEL PLATES, SHEET G-2, MOT NOTE #23)	\$ 40,000.00	3.279%
10	P-402-8-1	2" SINGLE LIFT PLANT MIX BITUMINOUS PAVEMENT (SP-12.5)	\$ 24,950.00	1.971%
11	P-602-5-1	BITUMINOUS PRIME COAT (0.80 GAL/SY APPLICATION RATE; SS-1H)	\$ 2,250.00	0.184%
12	P-520-5-1	6-INCH YELLOW PAVEMENT PAINTING (REFLECTIVE BEADS TYPE I) FOR TANK FARM UTILITIES WITHIN LIMITS OF CONSTRUCTION (LOC)	\$ 1,100.00	0.090%
13	T-504-5-1	SODDING (BAHIA)	\$ 9,150.00	0.750%
14	ALT. A - IRRIGATION	MODIFICATION TO EXISTING IRRIGATION SYSTEM	\$ 60,000.00	4.918%
15	ALT. B - LANDSCAPE	MODIFICATION TO EXISTING LANDSCAPING	\$ 40,000.00	3.279%
		TOTAL DOLLAR AMOUNT =	\$ 179,060.00	14.677%

I have personally reviewed/created the following document to the best of my knowledge and understanding as a Licensed Professional Engineer. The UNIT PRICES were gathered from prior MDAD/FDOT WORK in conjunction with pricing from General Contractors which CRJ provided Construction Management Services. Said UNIT PRICES used were from 2016 and adjusted to the size / magnitude of this Project. This effort is to provide the CLIENT and order of magnitude of CONSTRUCTION COST. NOTE: As per documented conditions for the Detour / MOT effort, the work 'may' be conducted by the W016A Selected Low-Bid Contractor OR it may be handled by MDAD as per the e-mail from Mr. Rene A. Casellas, Landside Operations Supervisor on 03/14/2017.



[Signature]

Marc A. Ferminian, M.S.C.E., P.E. - President
FL Lic. No. 52626

6/2/2017