

Memorandum



Date: January 13th, 2015

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

Thru: Albert A. Hernandez, P.E., Assistant Director
Engineering, Planning and Development
Miami-Dade Transit

From: Jesus Valderrama, Chief 
Transit Contract Services
Miami-Dade Transit

Subject: Project No: CIP071
ISD Project No: DB14-MDT-01
Project Name: Quail Roost Park and Ride
FCSC: 8:23
Description: Upcoming Solicitation with DBE Goals
Contract Number: CIP071-CT1-TR14

Miami-Dade Transit (MDT) is forwarding this memorandum to the Miami-Dade Internal Services Department /Small Business Development (SBD's) for informational purposes regarding the referenced Federal Transit Administration (FTA)-funded project. As a result of MDT's Office of Civil Rights (OCR) detailed analysis of the project based on the attached cost estimate and technical categories, a 15% Disadvantaged Business Enterprise (DBE) Goal for this project has been assigned by OCR.

BACKGROUND

Miami-Dade Transit (MDT) is seeking a Design-Build firm capable of implementing the Quail Roost Park and Ride project using the design-build method of delivery. The project will be constructed on vacant land, located on a 3.0 acre tract at the corner of S.W. 184th Street and the South Miami-Dade Busway, and owned by Miami-Dade County. The services to be performed by the Design-Build firm include planning, design, and construction of the park and ride and include, but are not limited to, coordinating and obtaining development approval with the Miami-Dade County Department of Regulatory and Economic Resources (RER) through a government facility hearing process or an administrative site plan review process, or an application for a zoning hearing process; performing preliminary and final design, preparing construction drawings and specifications, coordinating and obtaining all required permits from the agencies having jurisdiction; constructing and delivering to MDT a fully functioning and integrated park and ride in accordance with MDT's design criteria package, technical requirements and guides. The design and construction of the park and ride will accommodate approximately 279 parking spaces, and provide required patron amenities.

The work includes, but is not limited to, drainage, utilities, grading, paving, pavement markings, signage, landscaping, structures, communications, security, lighting, site furnishings and amenities (including a shelter along S.W. 184th Street). This is technical work that requires documentation by structural, mechanical, electrical, plumbing, and civil engineers, surveyors, traffic engineers, geotechnical work, information technology (IT) system/communications, planners, architects and landscape architects.

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The total estimated fee for the consultant design phase is \$424,600.00 and \$3,424,000 for the construction phase for a total estimated fee of 3,848,600.00.

The consultant firm must be certified in the technical categories included below. The Architectural and Engineering section of ISD reviewed the technical certifications and provided concurrence.

TC	TYPE	DESCRIPTION
16.00	PRIME	GENERAL CIVIL ENGINEERING
17.00	PRIME	ENGINEERING CONSTRUCTION MANAGEMENT
2.04	OTHER	MASS TRANSIT CONTROLS, COMMUNICATIONS & INFORMATION SYSTEMS
2.05	OTHER	GENERAL QUALITY ENGINEERING
3.01	OTHER	SITE DEVELOPMENT AND PARKING LOT DESIGN
3.04	OTHER	TRAFFIC ENGINEERING STUDIES
3.09	OTHER	SIGNING, PAVEMENT MARKING, AND CHANNELIZATION
3.10	OTHER	LIGHTING
3.11	OTHER	SIGNALIZATION
9.01	OTHER	DRILLING SUBSURFACE INVESTIGATIONS AND SEISMOGRAPHIC SERVICES
9.02	OTHER	GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
9.03	OTHER	CONCRETE AND ASPHALT TESTING SERVICES
10.05	OTHER	CONTAMINATION ASSESSMENT AND MONITORING
10.05	OTHER	REMEDIAL ACTION PLAN DESIGN
10.07	OTHER	REMEDIAL ACTION PLAN IMPLEMENTATION OPERATION/MAINTENANCE
11.00	OTHER	GENERAL STRUCTURAL ENGINEERING
12.00	OTHER	GENERAL MECHANICAL ENGINEERING
13.00	OTHER	GENERAL ELECTRICAL ENGINEERING
14.00	OTHER	ARCHITECTURE
15.01	OTHER	LAND SURVEYING
15.03	OTHER	UNDERGROUND UTILITY LOCATION
20.00	OTHER	LANDSCAPE ARCHITECTURE
21.00	OTHER	LAND-USE PLANNING

Should you require additional information, please contact Jesus Valderrama, Chief, Transit Contract Services, at (786) 469-5291.

c: Faith Samuels, SBD/ISD
Laurie Johnson, SBD/ISD
Vivian Walters, SBD/ISD

Attachment: Project Cost Estimate

**Miami-Dade Transit
Quail Roost Park and Ride
Opinion of Probable Cost**

Date: 9/5/2014

Item No.	Description	Quantity	Unit	Unit Price	Extended Price
General					
1	Mobilization (2.5% Total Construction Cost)	1	LS	\$49,226	\$49,225.88
2	General Conditions (10% Construction Cost)	1	LS	\$196,904	\$196,903.50
3	Permit Fee (2% of Construction)	1	LS	\$39,381	\$39,380.70
Sitework					
4	Clearing and Grubbing	3	AC	\$9,000	\$27,000
5	Sodding	2,285	SY	\$4	\$9,140
6	Landscape - Trees	30	EA	\$600	\$18,000
7	Landscape - Shrubs	480	EA	\$50	\$24,000
8	One Year Landscape Maintenance & Warranty Period	1	LS	\$69,588	\$69,588
9	Asphaltic Concrete Friction Course, Traffic C, FC-9.5, Rubber	650	TN	\$110	\$71,500
10	Optional Base, Base Group 09	11,810	SY	\$15	\$177,150
11	Limerock, New Material for Reworking Base	11,810	SY	\$8	\$94,480
12	Plain Cement Concrete Pavement, 7"	225	SY	\$160	\$36,000
13	Concrete Curb, Type D	2,460	LF	\$25	\$61,500
14	Sidewalk Concrete, 4" Thick	485	SY	\$36	\$17,460
15	Sidewalk Concrete, 6" Thick	1,345	SY	\$40	\$53,800
Site Amenities					
16	Bicycle Rack (10' long)	12	EA	\$500	\$6,000
17	Bike Locker	8	EA	\$1,500	\$12,000
18	Monument Entry Sign	2	LS	\$5,000	\$10,000
19	Vinyl coated chain link fence	1,450	LF	\$19	\$27,550
20	Information Kiosk	2	LS	\$1,500	\$3,000
21	Bus Shelter	1	EA	\$24,000	\$24,000
22	Light Pole Complete, Furnish and Install	12	EA	\$4,000	\$48,000
Signing and Marking					
23	Thermoplastic, Standard, White, Solid, 6"	6,570	LF	\$1	\$6,570
24	Thermoplastic, Standard, White, Solid, 12"	20	LF	\$2	\$40
25	Thermoplastic, Standard, White, Solid, 24"	224	LF	\$4	\$896
26	Thermoplastic, Standard, Yellow, 6"	210	LF	\$1	\$210
27	Thermoplastic, Standard, Blue, 6"	198	LF	\$1	\$198
28	Thermoplastic, Standard, Green, 6"	18	LF	\$1	\$18
29	Thermoplastic, Standard, White, Messages	10	EA	\$100	\$1,000
30	Thermoplastic, Standard, White, Arrow	40	EA	\$50	\$2,000
31	Stop Sign	19	EA	\$420	\$7,980
32	Handicap Sign	6	EA	\$620	\$3,720
33	Stroller Parking Sign	4	EA	\$420	\$1,680
34	Wayfinding and Bus Stop Signs	10	EA	\$500	\$5,000
35	Precast Concrete Wheel Stop	289	EA	\$55	\$15,895
36	Traffic Signal Modification	2	EA	\$150,000	\$300,000
Water & Sanitary Sewer					
37	Fire Hydrant Assembly with 6" Gate Valve	2	EA	\$4,800	\$9,600
38	Furnish and Install 6"x8" M.J. Tap. Sleeve and Tap. Valve	1	EA	\$6,000	\$6,000
39	Furnish and Install 16"x8" M.J. Tap. Sleeve and Tap. Valve	1	EA	\$8,500	\$8,500
40	Furnish and Install 8" D.I. Pipe and Fittings for Water Main	1,200	LF	\$40	\$48,000
41	Furnish and Install Water Service with single Meter Box	1	EA	\$1,500	\$1,500
42	Furnish and Install 6" PVC for Sewer Service Lateral	50	LF	\$30	\$1,500
43	Furnish and install 8" PVC Sanitary Sewer Line	1,200	LF	\$70	\$84,000
Drainage					
44	Inlet, DT BOT, Type J	21	EA	\$4,000	\$84,000
45	French Drain, 18"	2,330	LF	\$80	\$186,400
46	Trench Safety System	2,330	LF	\$2	\$4,660
Electrical					
47	2" Conduit and Wiring	2,500	LF	\$30	\$75,000
48	Site Electric Service Drop	1	LS	\$10,000	\$10,000
49	Site Power Equipment	1	LS	\$200,000	\$200,000
50	Electrical Pull Box	15	EA	\$500	\$7,500
Communications					
51	Communications Interface Cabinet (CCTV and IT) w/ A/C enclosure	1	LS	\$25,000	\$25,000
52	1" Communication Conduit and Cabling	1,000	LF	\$20	\$20,000
53	1" CCTV Conduit and Cabling	2,500	LF	\$20	\$50,000
54	CCTV Camera Installation	10	EA	\$500	\$5,000
55	CCTV Pull Box	10	EA	\$500	\$5,000
56	Communications Pull Box	4	EA	\$500	\$2,000
Construction Subtotal					\$2,254,545
Contingencies and Fees					
57	Unforeseen Allowance @ 10%	1	LS	\$225,455	\$225,455
58	Design Fee @ 8%	1	LS	\$180,364	\$180,364
59	Design Services During Construction @ 5%	1	LS	\$112,727	\$112,727

Miami-Dade Transit					
Quail Roost Park and Ride					
Opinion of Probable Cost					
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Item No.	Description	Quantity	Unit	Unit Price	Extended Price
60	Estimating Contingency @ 25%	1	LS	\$563,636	\$563,636
61	Design-Builder Management 8%	1	LS	\$180,364	\$180,364
62	Design-Builder Mark-up @ 2%	1	LS	\$45,091	\$45,091
63	Escalation (3%/year)	1	LS	\$101,455	\$101,455
64	Use of Parcels for Construction Trailer/Storage	9	MO	\$2,000	\$18,000
Allowance Items					
65	CCTV Camera Allowance	10	EA	\$1,500	\$15,000
66	Public Art Allowance (1.5% Construction and Design)	1	LS	\$41,596	\$41,596
67	Off-Duty Police Traffic Control Allowance	1	LS	\$50,000	\$50,000
68	Environmental Removal Allowance	1	LS	\$50,000	\$50,000
69	Spare Parts Allowance	1	LS	\$10,000	\$10,000
Total Project Probable Cost					\$3,848,232