

# Memorandum



**Date:** August 23, 2011

**To:** Penelope Townsley, Director  
Department of Small Business Development

**From:** Vivian Forhat-Diaz, Park Construction Contract Specialist  
Park and Recreation Department

**Subject:** A.D. Barnes Park Nature Center Double Wide Modular Bldg

We respectfully request that you review the attached recommendation to advertise under MCC 7360 Federal Plan. This project consists of the modular building utilities connection and rework paved surfaces.

The scope of work for the project is: furnish all labor, equipment and materials required to construct a complete and operating connection of utilities, to new modular building and rework paved surfaces.

As per the Department of Housing and Community Development, projects funded through the Community Development Block Grant (CDBG) are not subject to CSBE/SBD goals.

Thank you in advance for your cooperation.

Attachments: Project Measure Analysis and Recommendations  
Exhibit "A" Construction Breakdown  
Exhibit "B" General Conditions / Site Work Breakdown

**DEPARTMENT INPUT**  
**CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

Check applicable Ordinance(s):  90-143 Responsible Wage and Benefits  03-237 (formerly 03-1) Community Workforce Program

**PROJECT INFORMATION** See attachment

Contract/Project/\*Work Order No.: **85979**

\*Reference corresponding project number when submitting a work order

Contract/Project Title: **A.D. Barnes Park Nature Center Double Wide Modular Bldg**

Description/Scope of Work: **Furnish all labor, equipment and materials required to: Construct a complete and operating connection of utilities, to new modular building and rework paved surfaces.**

Estimated Cost: **45000** Funding Source: **Federal funds**

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> Ct or Starts at 135 St. ends at 145 St.  
**A.D. Barnes Park, 3401 SW 72nd Ave. Miami**

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP)** See attachment

Engineer/Department or Agency's estimated required workforce for Project  Work Order :

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job
General Engineering		75

Comments: \_\_\_\_\_

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE)** See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
No Goal	\$	%	
	\$	%	
	\$	%	

**RECOMMENDATION**

Set-Aside: Level 1  Level 2  Level 3  Trade Set-Aside  Sub-Contractor Goal  Workforce Goal  No Measure

Basis for Recommendation: **CDBG projects are not subject to CSBE/SBD goals**

Date submitted to DBD: **08/23/2011**

Contact Person: **Vivian Forhat-Diaz**

Telephone No.: **305-755-5465**

PARK AND RECREATION DEPARTMENT  
DESIGN, SURVEY AND INSPECTION DIVISION  
DBD BREAKDOWN- CONSTRUCTION

Park name:	<b>A.D. Barnes Park</b>		<b>08/23/11</b>
Project name:	<b>A.D. Barnes Park Modular Bldg</b>		<b>RPQ No.: 85979</b>
Exhibit "A"			<b>WKO No.: 85979</b>
ITEM #	TASK DESCRIPTION	TOTALS	%
1	GENERAL REQUIREMENTS	\$7,603.96	17.7%
2	SITWORK	\$14,494.15	33.7%
3	CONCRETE	\$0.00	0.0%
4	MASONRY	\$0.00	0.0%
5	METAL	\$0.00	0.0%
6	WOOD AND PLASTIC	\$0.00	0.0%
7	THERMAL AND MOISTURE PROTECTION	\$0.00	0.0%
8	DOORS AND WINDOWS	\$0.00	0.0%
9	FINISHES	\$0.00	0.0%
10	SPECIALTIES	\$0.00	0.0%
11	EQUIPMENT	\$0.00	0.0%
12	FURNISHINGS	\$0.00	0.0%
13	SPECIAL CONSTRUCTION	\$0.00	0.0%
14	CONVEYING SYSTEMS (NOT USED)	\$0.00	0.0%
15	PLUMBING, HEATING, A/C	\$0.00	0.0%
16	ELECTRICAL	\$20,964.28	48.7%
	<b>DIVISION SUBTOTAL</b>	\$43,062.39	100%
	OVERHEAD AND PROFIT (10%)	\$4,306.24	
	BASE ESTIMATE (B.E.)	\$47,368.63	
	(10% )CONTINGENCY ALLOWANCE (.10* B.E.)	\$4,736.86	
	PERMIT ALLOWANCE	\$355.26	
	ART IN PUBLIC PLACES ALLOWANCE (.015*B.E.)	\$781.58	
	TOTAL DEDICATED ALLOWANCE (PERMIT + AIPP)	\$1,136.85	
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>		<b>\$53,242.34</b>

# A.D. Barnes Park Modular Bldg

RPQ# 85979

PRELIMINARY BREAKDOWN

EXHIBIT "B"

## A. AD Barnes Park - GENERAL CONDITIONS (DIV 1)

1	Surveying, Layout of Utilities	\$ 1,000.00	2.33%
2	Permits		0.00%
3	Temporary toilet	\$ 279.00	0.65%
4	Dumpsters (20 CY)		0.00%
5	Project Foreman	\$ 1,680.00	3.91%
6	Punch List Preparation & Completion	\$ 840.00	1.96%
7	Shop Drawing & Submittal	\$ 150.00	0.35%
8	Project As-built	\$ 500.00	1.16%
9	Interim & Final Cleanup	\$ 815.00	1.90%
10	Temporary Chain Link Fence	\$ 2,321.00	5.40%
	Sub-total	\$7,585.00	17.68%
	Total + 1/4% IG	\$7,603.96	

## B. AD Barnes Park - SITEWORK (DIV 2)

1	Clearing and grading	\$ 1,145.00	2.67%
2	Compaction, structural, 2 tons, steel wheel tandem roller	\$ 700.00	1.63%
3	Asphalt concrete pavement 1" type S-1 asphalt	\$ 1,808.00	4.21%
4	50/50 Mixture of top soil spread with 200 HP dozer	\$ 1,007.00	2.34%
5	Precast concrete wheel stop 8" x 13" x 6'-0" .2 dowels per each	\$ 83.00	0.19%
6	Pavement markings, parking stall, paint, white, 4" wide	\$ 763.00	1.78%
7	Handicapped sign	\$ 258.00	0.60%
8	Handicapped symbol	\$ 172.00	0.40%
9	Excavating, trench or continuous footing, common earth, 3/4 C.Y. excavator	\$ 1,839.00	4.28%
10	Install 4" PVC C900	\$ 1,616.00	3.76%
11	Install 6" PVC C900	\$ 496.00	1.15%
12	Install 4" Clean out	\$ 785.00	1.83%
13	Install 6" Clean out	\$ 284.00	0.66%
14	Connection to existing MH	\$ 591.00	1.38%
15	Install 3/4" HDPE pipe	\$ 339.00	0.79%
16	Install 1-3/4" valve and box	\$ 929.00	2.16%
17	Saw cutting concrete slab	\$ 270.00	0.63%
18	Restoration slab	\$ 216.00	0.50%
19	Sod restoration	\$ 1,157.00	2.69%
	Sub-total	\$14,458.00	33.65%
	Total + 1/4% IG	\$14,494.15	

## C. AD Barnes Park - ELECTRICAL (DIV 3)

1	Remove overhead wire with pole and electrical equipment	\$1,899.00	4.42%
2	Excavating, chain trencher, utility trench, common earth, 12" wide, 24" deep for mail	\$544.00	1.27%
3	PVC conduit, schedule 40, 1-1/2" diameter	\$432.00	1.01%
4	Polymer concrete box	\$549.00	1.28%
5	Wire, copper, stranded, 600 volt, #1, type THHN	\$1,656.00	3.86%
6	Ground wire, copper wire, bare solid, #8	\$357.00	0.83%
7	Propose electrical rack	\$2,674.00	6.23%
8	Install 50 KVA transformer	\$8,049.00	18.74%
9	SQUARE-D MODEL #H363RB	\$1,383.00	3.22%
10	SQUARE-D MODEL #H324NRB	\$1,217.00	2.83%
11	Rigid galvanized steel conduit, 3/4" diameter	\$456.00	1.06%
12	PVC conduit, schedule 40, 2" diameter	\$226.00	0.53%
13	Ground wire, copper wire, bare stranded, #6	\$174.00	0.41%
14	Ground wire, copper wire, bare stranded, #2	\$466.00	1.08%
15	Grounding rod, copper clad, 10' long, 5/8" diameter	\$145.00	0.34%
16	Restoration wall	\$685.00	1.59%
	Sub-total	\$20,912.00	48.68%
	Total + 1/4% IG	\$20,964.28	
	Sub-Total	\$42,955.00	100.00%
	Total + 1/4% IG	\$43,062.39	
	Total including IG	\$43,062.39	101.32%