

Memorandum



Date: August 11, 2017

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

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

Subject: Contract Measures Recommendation:
Pavement Repairs
MDAD Project No. RM-6-18/20

RECOMMENDATION:

This is a request for Small Business Development (SBD) to approve the subject project in order for the Aviation Department to proceed with the Pavement Repairs, MDAD Project No. RM-6-18/20.

The initial term of the contract is for 1095 calendar days at a not to exceed price of \$17,100,000.00 and at its sole option, MDAD may extend for three (3) additional one (1) year terms at a not to exceed price of \$1,250,000.00 per term.

The Miami-Dade Aviation Department staff has reviewed the subject project and recommends a 13% SBE/Construction Goal in the following trades: demolition and excavation (Site preparation), concrete, and striping (Highway, Street, and Bridge Construction); a 0.24% SBE/Goods & Services Goal in the following commodity: Grass, Sod. The Community Workforce Program (CWP) portion of this contract will be Task Order Driven. Each task order that is longer than 30 days and is equal or greater than \$250,000 will be required to be reviewed by ISD/SBD for the application of the CWP Goal. This is consistent with current contract.

SCOPE OF WORK:

The work to be performed under this Contract consists of pavement repair, reconstruction, and rehabilitation at Miami International, Opa-Locka Executive, Miami Executive, Homestead General, and Training and Transition Airports. Exact location and description of work to be performed will be directed by the Project Manager.

SPECIAL CONSIDERATION:

Items of work will be determined as they become necessary during the term of this Contract. When assigning the project goals, it is important to point out that not all line items may be used. Therefore, the contractor may not be able to fulfill the total goal because the work is on an as needed basis.

Items such as pavement markings and concrete repairs have been included in past contract measures. Historically, these same items have been used with enough frequency to meet their respective goal.

The electrical component of this contract consists of the adjustment and replacement of runway and taxiway in-pavement lights.

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All airfield lighting work will be in strict compliance with FAA Specifications L-108, L-110, and L-125. Accordingly, the subcontractor performing the electrical scope of work must demonstrate previous experience in airport airfield lighting. This work also requires close coordination with Maintenance Airfield Lighting and Airside Operations due to the imposing time constraints and locations.

Breakdown of Service(s) are attached. Please advise our office if additional information is needed.

c: L. Johnson, SBD
E. Beltre, MDAD
M. Riera, 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: Pavement Repairs

PROJECT/CONTRACT NUMBER: RM-6-18/20

DEPARTMENT: Miami Dade Aviation Department

ESTIMATED PROJECT COST: \$17,100,000.00

FUNDING SOURCE: Reserve Maintenance

DESCRIPTION OF PROJECT/BID:

The work to be performed under this Contract consists of pavement repair, reconstruction, and rehabilitation at Miami International, Opa-Locka Executive, Miami Executive, Homestead General, and Training and transition Airports. Exact location and description of work to be performed will be directed by the Project Manager.

CONTRACT MEASURES RECOMMENDATION:

Measures: SBE/Construction 13%
SBE/Goods & Services 0.24%
CWP/Community Workforce Task Order Driven

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order #3-22 indicates that the SBE-Construction 13% and Implementing Order #3-41 SBE/Goods & Services 0.24% are appropriate for this contract.

Miami-Dade Aviation Department

Pavement Repairs, Contract RM-6-18/20

Itemized breakdown by CSI Division:

DIVISION 2: Site Construction	
Mobilization	\$272,000
Environmental	\$90,000
Excavation/Embankment/Proof Rolling	\$200,000
Limerock Base (Primed)	\$291,000
Stabilized Subbase	\$52,000
Asphalt Pavement Repairs	\$9,815,000
Pavement Rejuvenator	\$337,500
Pavement Milling	\$1,230,000
Pavement Grooving	\$135,000
PCC Pavement Repairs/CLSM	\$2,187,500
Pavement Repairs @ Ductbank	\$80,000
Pavement Markings & Striping	\$704,250
Sodding	\$50,000
Division 2 =	\$15,444,250

90.35%

DIVISION 3: Concrete (Structural)	
Repairs to Concrete Structure Tops	\$400,000
Division 3 =	\$400,000

2.34%

DIVISION 16: Electrical	
Lighting	\$1,250,000
Division 16 =	\$1,250,000

7.31%

\$17,094,250
100.00%

RM-6-18/20 Pavement Repairs Contract
Items List

MDAD ESTIMATE

Item #	Description	Spec. Section	Division Breakdown	Units	Estimated Quantities	Unit Price	Cost/Item	% of Total	Amount of \$3,750,000	Total Goal Amount
1	Mobilization (Airsides)	1505	2	each	50	\$ 4,000.00	\$ 200,000.00	1.17	\$ 43,874.40	\$ 243,874.40
2	Mobilization (Landside)	1505	2	each	16	\$ 3,000.00	\$ 48,000.00	0.28	\$ 10,529.86	\$ 58,529.86
3	Emergency Call-Out Mobilization	1505	2	each	12	\$ 2,000.00	\$ 24,000.00	0.14	\$ 5,264.93	\$ 29,264.93
4	Asphalt Pavement Milling (0" to 4" depth)	P-150	2	s.y.	370,000	\$ 3.00	\$ 1,110,000.00	6.49	\$ 243,502.93	\$ 1,353,502.93
5	Asphalt Pavement Milling (Over 4" depth)	P-150	2	s.y.	20,000	\$ 6.00	\$ 120,000.00	0.70	\$ 26,324.64	\$ 146,324.64
6	Demolition of Bituminous Pavement (0" to 4" thick)	P-151	2	s.y.	9,000	\$ 10.00	\$ 90,000.00	0.53	\$ 19,743.48	\$ 109,743.48
7	Demolition of Bituminous Pavement (Over 4" thick)	P-151	2	s.y.	2,000	\$ 20.00	\$ 40,000.00	0.23	\$ 8,774.88	\$ 48,774.88
8	Slab Demolition w/o Replacement (0" to 6" thick)	P-151	2	s.y.	5,000	\$ 20.00	\$ 100,000.00	0.58	\$ 21,937.20	\$ 121,937.20
9	Slab Demolition w/o Replacement (Over 6" thick)	P-151	2	s.y.	7,500	\$ 40.00	\$ 300,000.00	1.75	\$ 65,811.60	\$ 365,811.60
10	Abandon Airfield Light System In Place	P-151	16	each	100	\$ 500.00	\$ 50,000.00	0.29	\$ 10,968.60	\$ 60,968.60
11	On-Site Excavation	P-152	2	c.y.	2,000	\$ 20.00	\$ 40,000.00	0.23	\$ 8,774.88	\$ 48,774.88
12	Off-Site Borrow	P-152	2	ton	1,000	\$ 20.00	\$ 20,000.00	0.12	\$ 4,387.44	\$ 24,387.44
13	Proof Rolling	P-152	2	s.y.	140,000	\$ 1.00	\$ 140,000.00	0.82	\$ 30,712.08	\$ 170,712.08
14	Controlled Low Strength Material	P-153	2	c.y.	1,000	\$ 150.00	\$ 150,000.00	0.88	\$ 32,905.80	\$ 182,905.80
15	Stabilized Subbase (6" - 10" thick)	P-154	2	s.y.	2,000	\$ 6.00	\$ 12,000.00	0.07	\$ 2,632.46	\$ 14,632.46
16	Stabilized Subbase (12" - 16" thick)	P-154	2	s.y.	2,000	\$ 8.00	\$ 16,000.00	0.09	\$ 3,509.95	\$ 19,509.95
17	Stabilized Subbase (18" - 24" thick)	P-154	2	s.y.	2,000	\$ 12.00	\$ 24,000.00	0.14	\$ 5,264.93	\$ 29,264.93
18	Temporary Stockpiling of Suspected Soil	P-160	2	c.y.	1,000	\$ 30.00	\$ 30,000.00	0.18	\$ 6,581.16	\$ 36,581.16
19	Transportation/Disposal of Non-Hazardous Soil at an Approved Landfill	P-160	2	ton	1,000	\$ 60.00	\$ 60,000.00	0.35	\$ 13,162.32	\$ 73,162.32
20	Limerock Base Course (6" - 10" thick)	P-211	2	s.y.	2,000	\$ 20.00	\$ 40,000.00	0.23	\$ 8,774.88	\$ 48,774.88
21	Limerock Base Course (12" - 16" thick)	P-211	2	s.y.	2,000	\$ 30.00	\$ 60,000.00	0.35	\$ 13,162.32	\$ 73,162.32
22	Limerock Base Course (18" - 24" thick)	P-211	2	s.y.	2,000	\$ 40.00	\$ 80,000.00	0.47	\$ 17,549.76	\$ 97,549.76
23	6" Econcrete Base Course	P-305	2	s.y.	10,000	\$ 40.00	\$ 400,000.00	2.34	\$ 87,748.80	\$ 487,748.80
24	Bituminous Concrete Pavement, PG 67-22 (< 300 Tons)	P-401	2	ton	2,000	\$ 250.00	\$ 500,000.00	2.92	\$ 109,686.01	\$ 609,686.01
25	Bituminous Concrete Pavement, PG 67-22 (> 300 Tons)	P-401	2	ton	50,000	\$ 135.00	\$ 6,750,000.00	39.49	\$ 1,480,761.07	\$ 8,230,761.07
26	Bituminous Concrete Pavement, PG 76-22 (< 300 Tons)	P-401	2	ton	1,000	\$ 275.00	\$ 275,000.00	1.61	\$ 60,327.30	\$ 335,327.30
27	Bituminous Concrete Pavement, PG 76-22 (> 300 Tons)	P-401	2	ton	10,000	\$ 160.00	\$ 1,600,000.00	9.36	\$ 350,995.22	\$ 1,950,995.22
28	Portland Cement Concrete Pavement using Normal Curing Concrete	P-501	2	c.y.	600	\$ 500.00	\$ 300,000.00	1.75	\$ 65,811.60	\$ 365,811.60
29	Portland Cement Concrete Pavement using 24 Hour Early Strength Concrete	P-501	2	c.y.	600	\$ 600.00	\$ 360,000.00	2.11	\$ 78,973.92	\$ 438,973.92
30	Bituminous Prime Coat	P-602	2	gal	18,500	\$ 6.00	\$ 111,000.00	0.65	\$ 24,350.29	\$ 135,350.29
31	Cleaning, Grooving, Routing, and Resealing Joints (0" to 1/2" Wide)	P-605	2	l.f.	2,500	\$ 5.00	\$ 12,500.00	0.07	\$ 2,742.15	\$ 15,242.15
32	Cleaning, Grooving, Routing, and Resealing Joints (Over 1/2" Wide)	P-605	2	l.f.	2,500	\$ 10.00	\$ 25,000.00	0.15	\$ 5,484.30	\$ 30,484.30
33	Bituminous Material Surface Treatment (SST)	P-609	2	gal	10,000	\$ 10.00	\$ 100,000.00	0.58	\$ 21,937.20	\$ 121,937.20
34	Aggregate Surface Treatment (SST)	P-609	2	ton	500	\$ 100.00	\$ 50,000.00	0.29	\$ 10,968.60	\$ 60,968.60
35	Fill Concrete-Class II	P-610	2	c.y.	100	\$ 300.00	\$ 30,000.00	0.18	\$ 6,581.16	\$ 36,581.16
36	Pavement Painting, Final, Reflective (<= 20,000 s.f.)	P-620	2	s.f.	30,000	\$ 1.20	\$ 36,000.00	0.21	\$ 7,897.39	\$ 43,897.39
37	Pavement Painting, Final, Reflective (> 20,000 s.f.)	P-620	2	s.f.	150,000	\$ 1.10	\$ 165,000.00	0.97	\$ 36,196.38	\$ 201,196.38
38	Pavement Painting, Final, Non-Reflective (<= 20,000 s.f.)	P-620	2	s.f.	65,000	\$ 1.00	\$ 65,000.00	0.38	\$ 14,259.18	\$ 79,259.18
39	Pavement Painting, Final, Non-Reflective (> 20,000 s.f.)	P-620	2	s.f.	40,000	\$ 0.90	\$ 36,000.00	0.21	\$ 7,897.39	\$ 43,897.39
40	Pavement Painting, Temporary, Reflective (<= 20,000 s.f.)	P-620	2	s.f.	30,000	\$ 0.85	\$ 25,500.00	0.15	\$ 5,593.99	\$ 31,093.99
41	Pavement Painting, Temporary, Reflective (> 20,000 s.f.)	P-620	2	s.f.	150,000	\$ 0.80	\$ 120,000.00	0.70	\$ 26,324.64	\$ 146,324.64
42	Pavement Painting, Temporary, Non-Reflective (<= 20,000 s.f.)	P-620	2	s.f.	65,000	\$ 0.75	\$ 48,750.00	0.29	\$ 10,694.39	\$ 59,444.39
43	Pavement Painting, Temporary, Non-Reflective (> 20,000 s.f.)	P-620	2	s.f.	40,000	\$ 0.70	\$ 28,000.00	0.16	\$ 6,142.42	\$ 34,142.42
44	Grey Out Existing Markings (Non-Reflective)	P-620	2	s.f.	60,000	\$ 1.00	\$ 60,000.00	0.35	\$ 13,162.32	\$ 73,162.32
45	Removal of Pavement Markings	P-620	2	s.f.	60,000	\$ 2.00	\$ 120,000.00	0.70	\$ 26,324.64	\$ 146,324.64
46	Runway Pavement Grooving	P-630	2	s.y.	45,000	\$ 3.00	\$ 135,000.00	0.79	\$ 29,615.22	\$ 164,615.22
47	Replacement of Existing Concrete Manhole or Inlet Structure Top - Landside (including up to 2 CY of concrete class II and up to 0.5 tons steel reinforcement)	D-751	3	each	10	\$ 15,000.00	\$ 150,000.00	0.88	\$ 32,905.80	\$ 182,905.80
48	Replacement of Existing Concrete Manhole or Inlet Structure Top - Airside (including up to 7 CY of concrete class IV and up to 1.75 tons steel reinforcement)	D-751	3	each	10	\$ 25,000.00	\$ 250,000.00	1.46	\$ 54,843.00	\$ 304,843.00
49	Sodding, Seeding and Fertilizing	T-904	2	s.y.	10,000	\$ 5.00	\$ 50,000.00	0.29	\$ 10,968.60	\$ 60,968.60
50	Centerline Ductbank Replacement	L-110	2	l.f.	400	\$ 200.00	\$ 80,000.00	0.47	\$ 17,549.76	\$ 97,549.76
51	Centerline Base Can Replacement	L-125	16	each	90	\$ 10,000.00	\$ 900,000.00	5.26	\$ 197,434.81	\$ 1,097,434.81
52	Centerline Light Adjustment	L-125	16	each	120	\$ 2,500.00	\$ 300,000.00	1.75	\$ 65,811.60	\$ 365,811.60
53	Type S Asphaltic Concrete	FDOT 331	2	ton	1,000	\$ 120.00	\$ 120,000.00	0.70	\$ 26,324.64	\$ 146,324.64
54	Superpave Asphaltic Concrete (Traffic C, SP-9.5/12.5, PG 76-22)	FDOT 334	2	ton	1,000	\$ 125.00	\$ 125,000.00	0.73	\$ 27,421.50	\$ 152,421.50
55	Asphaltic Concrete Friction Course (Traffic C, FC-9.5/12.5, PG 76-22)	FDOT 337	2	ton	1,000	\$ 135.00	\$ 135,000.00	0.79	\$ 29,615.22	\$ 164,615.22
56	Concrete Cracks Repair and Sealing	M-362	2	l.f.	2,000	\$ 20.00	\$ 40,000.00	0.23	\$ 8,774.88	\$ 48,774.88
57	Repair of Airside Concrete Pavement Cracks Using an Asphaltic Concrete Patch	M-363	2	s.f.	2,000	\$ 25.00	\$ 50,000.00	0.29	\$ 10,968.60	\$ 60,968.60
58	Asphalt Pavement Crack Repair	M-462	2	l.f.	3,000	\$ 10.00	\$ 30,000.00	0.18	\$ 6,581.16	\$ 36,581.16
59	Type 2A Patching	M-564	2	s.f.	1,200	\$ 100.00	\$ 120,000.00	0.70	\$ 26,324.64	\$ 146,324.64
60	Type 2B Spall Repair	M-564	2	s.f.	2,000	\$ 100.00	\$ 200,000.00	1.17	\$ 43,874.40	\$ 243,874.40
61	Type C Asphalt Filled Repair	M-564	2	s.f.	1,000	\$ 100.00	\$ 100,000.00	0.58	\$ 21,937.20	\$ 121,937.20
62	Coal-Tar Sealer/Rejuvenator (<= 50,000 S.Y.)	EB-44B	2	s.y.	75,000	\$ 2.50	\$ 187,500.00	1.10	\$ 41,132.25	\$ 228,632.25
63	Coal-Tar Sealer/Rejuvenator (> 50,000 S.Y.)	EB-44B	2	s.y.	100,000	\$ 1.50	\$ 150,000.00	0.88	\$ 32,905.80	\$ 182,905.80

Total Sum of Items	\$ 17,094,250.00	\$ 20,844,250.00
Dedicated Allowance Account	\$ 3,750,000.00	
IGAA	\$ 82,110.63	
Total Contract Amount	\$ 20,896,360.63	
	SBE CONS Goal (%)	13.0
	SBE G&S Goal (%)	0.24