

Memorandum



Date: January 9, 2013

To: Mario Goderich, Assistant Director, Business Affairs,
Department of Regulatory and Economic Resources,
Small business Development

From: Milton L. Collins, Associate Director, *MLC*
MDAD-Minority Affairs Division
Minority Affairs Division

Subject: Project: MIA Runway 12/30 Pavement Rehabilitation and New Air Cargo Apron
Project No. HO24B-3
DBE Goal

The Disadvantaged Business Enterprise (DBE) Project is being sent to you for informational purposes. As per the attached engineers estimate of probable construction cost of \$56,095,289.05, the subject project has a recommended DBE Goal of 10.1% or \$5,665,624.00 (Attachment 1).

Also attached is the Community Workforce Program (CWP) required breakdown, as per County Code Section 2-1701 for projects that are equal to or more than two hundred and fifty thousand dollars (250,000.00) (Attachment 2).

If additional information is needed, please call me at (305) 876-7221 or Abebe Tecele at (305) 876-7386.

Attachments (2)

cc:

F. Stirrup, MDAD
A. Tecele, MDAD
E. Beltre, MDAD
V. Clark, SBD
K. Duncombe, SBD
L. Johnson, SBD
Project File



"Delivering Excellence Every Day"

**Miami-Dade Aviation Department
Minority Affairs Division
Project Worksheet**

Project/Contract Title: MIA Runway 12/30 Pavement Rehabilitation and New Air Cargo Apron **Funding Source:** AIP (FAA)
Resubmittal Date (s):

Project/Contract No.: HO24B-3

Estimated Cost of Project \$ 56,095,289

Description of Project/Bid:

The work to be performed is mainly asphalt and concrete pavement milling, which includes:

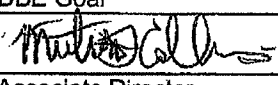
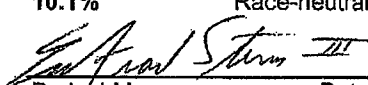
- Clearing, grubbing and demolition.
- Excavation and embankment
- Wire and lighting in pavement, installation of underground cable, transformer vault.
- Runway and taxiway painting and runway grooving.

DBE Recommendation	
<u>Program</u>	DBE Goal Percent
DBE	10.1%

Reason for Recommendation

This is a reasonable DBE Goal, based on the availability of DBE firms for the trades identified.

Analysis for Recommendation			
Subtrade	Estimated Value \$	% of Items to Base Bid	Availability of DBE Firms
Site Preparation Contractors	290,000	0.5%	10
Highway and Street Construction	3,168,900	5.6%	9
All Other Specialty Trade (Drainage)	489,724	0.9%	14
Electrical Contractors	1,717,000	3.1%	28
Total	\$ 5,665,624	10.1%	

Minority Affairs Recommendation			
DBE Goal	10.1%	Race-conscious	10.1%
		Race-neutral	0.00%
	1/9/13		1-10-13
Associate Director	Date	Project Manager	Date

ITEM NUMBER	SPECIFICATION ITEM	DESCRIPTION	UNIT	TOTAL PROJECT QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED PROJECT CONSTRUCTION COST	Labor Percentage	Labor Cost
1	01505-01	MOBILIZATION	LS	1	\$ 1,481,944.10	\$ 1,481,944.10	30%	\$ 444,583.23
2	01505-02	DE-MOBILIZATION	LS	1	\$ 40,000.00	\$ 40,000.00	30%	\$ 12,000.00
3	01505-03	RE-MOBILIZATION	LS	1	\$ 40,000.00	\$ 40,000.00	30%	\$ 12,000.00
4	01562-5.01.1	FLOATING TURBIDITY BARRIER	LF	120	\$ 1,500.00	\$ 180,000.00	20%	\$ 36,000.00
5	01562-5.01.2	STAKED SILT FENCE	LF	2,000	\$ 2.60	\$ 5,200.00	20%	\$ 1,040.00
6	01562-5.01.3	GEOTEXTILE FABRIC	SY	200	\$ 22.00	\$ 4,400.00	20%	\$ 880.00
7	01570-5.01.1	MAINTENANCE OF AIRCRAFT OPERATING AREA TRAFFIC	LS	1	\$ 2,345,149.37	\$ 2,345,149.37	30%	\$ 703,544.81
8	01570-5.01.2	PORTABLE LIGHTED RUNWAY CLOSED MARKERS	EA	2	\$ 35,000.00	\$ 70,000.00	0%	\$ -
9	P-150-4.1	PAVEMENT MILLING (1/4 INCHES TO 2 INCHES)	SY	659,749	\$ 3.20	\$ 2,111,197.92	25%	\$ 527,799.48
10	P-151-4.1	DEMOLITION OF BITUMINOUS PAVEMENT	SY	17,202	\$ 10.20	\$ 175,460.40	25%	\$ 43,865.10
11	P-151-4.2	DEMOLITION OF CONCRETE PAVEMENT	SY	200	\$ 15.00	\$ 3,000.00	25%	\$ 750.00
12	P-151-4.3	DEMOLITION OF STRUCTURES	EA	14	\$ 1,000.00	\$ 14,000.00	25%	\$ 3,500.00
13	P-151-4.4	DEMOLITION OF AIRFIELD LIGHTING SYSTEM	LF	89,028	\$ 20.50	\$ 1,825,074.00	25%	\$ 456,268.50
14	P-151-4.5	TRENCHING FOR NEW CONDUIT	LF	16,089	\$ 15.00	\$ 241,335.00	25%	\$ 60,333.75
15	P-151-4.6	ABANDON AIRFIELD LIGHT SYSTEMS IN PLACE	EA	328	\$ 150.00	\$ 49,200.00	25%	\$ 12,300.00
16	P-151-4.7	DEMOLITION OF EXFILTRATION DRAINAGE SYSTEM	LF	1,080	\$ 40.00	\$ 43,200.00	25%	\$ 10,800.00
17	P-151-4.8	DEMOLITION OF UNDERGROUND UTILITY PIPING	LF	1,200	\$ 22.42	\$ 26,904.00	25%	\$ 6,726.00
18	P-151-4.9	ABANDON AIRFIELD GUIDANCE SIGN BASES IN PLACE	EA	33	\$ 1,000.00	\$ 33,000.00	35%	\$ 11,550.00
19	P-152-4.1	ON-SITE EXCAVATION	CY	18,963	\$ 15.00	\$ 284,448.90	35%	\$ 99,557.12
20	P-152-4.2	PROOF ROLLING	1,000SY	54	\$ 1,200.00	\$ 64,800.00	35%	\$ 22,680.00
21	P-152-4.3	ON-SITE BORROW	TN	10,720	\$ 5.00	\$ 53,600.00	20%	\$ 10,720.00
22	P-152-4.4	OFF-SITE BORROW	TN	200	\$ 15.00	\$ 3,000.00	20%	\$ 600.00
23	P-153-7.1	CONTROLLED LOW STRENGTH MATERIAL	CY	306	\$ 200.00	\$ 61,200.00	40%	\$ 24,480.00
24	P-154-4.1	STABILIZED SUBGRADE (18-INCHES THICK)	SY	19,331	\$ 12.44	\$ 240,478.01	35%	\$ 84,167.30
25	P-154-4.2	STABILIZED SUBGRADE (12-INCHES THICK)	SY	24,127	\$ 8.30	\$ 200,253.69	35%	\$ 70,088.79
26	P-154-4.3	STABILIZED SUBGRADE (6-INCHES THICK)	SY	1,143	\$ 5.00	\$ 5,715.70	35%	\$ 2,000.50
27	P-160-4.1	TEMPORARY STOCKPILING OF SUSPECTED AND ENR SOIL WITHOUT BERMING/LINING	CY	20	\$ 25.00	\$ 500.00	35%	\$ 175.00
28	P-160-4.2	TEMPORARY STOCKPILING OF SUSPECTED AND ENR SOIL WITH BERMING/LINING	CY	20	\$ 35.00	\$ 700.00	35%	\$ 245.00
29	P-160-4.3	TRANSPORTATION / DISPOSAL OF NON-HAZARDOUS SOIL AT A LANDFILL	TN	20	\$ 35.50	\$ 710.00	35%	\$ 248.50
30	P-160-4.4	TRANSPORTATION / INCINERATION OF SOIL	TN	20	\$ 65.50	\$ 1,310.00	35%	\$ 458.50
31	P-160-4.5	TRANSPORTATION/DISPOSAL OF HAZARDOUS SOIL IN AN APPROVED HAZARDOUS WASTE DISPOSAL FACILITY	TN	20	\$ 50.00	\$ 1,000.00	35%	\$ 350.00
32	P-160-4.6	REMOVAL/DISPOSAL OF FREE FLOATING HYDROCARBON PRODUCT	GL	100	\$ 4.00	\$ 400.00	60%	\$ 240.00
33	P-160-4.7	REMOVAL/DISPOSAL OF FREE FLOATING HYDROCARBON PRODUCT BY SKIMMING, TRANSPORTING, AND DISPOSAL OF ABSORBENT PADS / BOOMS	EA	20	\$ 5.00	\$ 100.00	85%	\$ 85.00
34	P-160-4.8.1	DEWATERING/TREATMENT OF CONTAMINATED GROUNDWATER (RATE TO 299 GPM)	HR	100	\$ 18.20	\$ 1,820.00	50%	\$ 910.00
35	P-160-4.8.2	DEWATERING/TREATMENT OF CONTAMINATED GROUNDWATER (RATE 300 TO 499 GPM)	HR	100	\$ 22.00	\$ 2,200.00	50%	\$ 1,100.00
36	P-160-4.8.3	DEWATERING/TREATMENT OF CONTAMINATED GROUNDWATER (RATE 500 TO 1000 GPM)	HR	100	\$ 30.00	\$ 3,000.00	50%	\$ 1,500.00
37	P-211-5.1	LIMEROCK BASE COURSE (8-INCH THICK)	SY	2,958	\$ 16.00	\$ 47,323.04	10%	\$ 4,732.30
38	P-211-5.2	LIMEROCK BASE COURSE (9-INCH THICK)	SY	1,143	\$ 18.00	\$ 20,576.52	10%	\$ 2,057.65
39	P-211-5.3	LIMEROCK BASE COURSE (18-INCH THICK)	SY	12,985	\$ 30.00	\$ 389,553.90	10%	\$ 38,955.39
40	P-308-01	ECONOCRETE BASE COURSE 6 INCHES THICK	SY	24,127	\$ 35.40	\$ 854,094.03	15%	\$ 128,114.10
41	P-401-8.1	BITUMINOUS SURFACE COURSE (PG76-22)	TN	114,416	\$ 130.00	\$ 14,874,109.90	10%	\$ 1,487,410.99
42	P-401-8.2	BITUMINOUS SURFACE COURSE (PG67-22)	TN	7,168	\$ 125.00	\$ 896,000.00	5%	\$ 44,800.00
43	P-501-8.1	PORTLAND CEMENT CONCRETE PAVEMENT - NON-REINFORCED (14 INCHES THICK)	SY	22,747	\$ 109.84	\$ 2,498,565.63	15%	\$ 374,784.84
44	P-501-8.2	PORTLAND CEMENT CONCRETE PAVEMENT - REINFORCED (14 INCHES THICK)	SY	1,380	\$ 161.66	\$ 223,030.99	15%	\$ 33,454.65
45	P-602-5.1	BITUMINOUS PRIME COAT	GL	1,836	\$ 2.70	\$ 4,958.47	25%	\$ 1,239.62
46	P-603-5.1	BITUMINOUS TACK COAT	GL	245,951	\$ 2.70	\$ 664,067.27	10%	\$ 66,406.73
47	P-609-01	BITUMINOUS MATERIAL - SST	GAL	6000	\$1.07	\$ 6,420.00	25%	\$ 1,605.00
48	P-609-02	AGGREGATE - SST	TON	111	\$321.18	\$ 35,650.98	25%	\$ 8,912.75
49	P-610-5.1	FILL CONCRETE - CLASS II	CY	400	\$ 234.00	\$ 93,600.00	40%	\$ 37,440.00
50	P-620-5.1	PAVEMENT PAINTING FINAL (REFLECTIVE)	SF	376,787	\$ 1.00	\$ 376,787.00	25%	\$ 94,196.75
51	P-620-5.2	PAVEMENT PAINTING FINAL (NON-REFLECTIVE)	SF	258,715	\$ 0.90	\$ 232,843.50	25%	\$ 58,210.88
52	P-620-5.3	PAVEMENT PAINTING TEMPORARY (REFLECTIVE)	SF	394,065	\$ 0.80	\$ 315,252.00	25%	\$ 78,813.00
53	P-620-5.4	PAVEMENT PAINTING TEMPORARY (NON-REFLECTIVE)	SF	258,715	\$ 0.70	\$ 181,100.50	25%	\$ 45,275.13
54	P-620-5.5	GREY OUT EXISTING MARKING	SF	119,189	\$ 0.70	\$ 83,432.30	25%	\$ 20,858.08
55	P-620-5.6	REMOVAL OF EXISTING MARKING	SF	2,473	\$ 0.90	\$ 2,225.70	50%	\$ 1,112.85
56	P-620-5.7	VEHICLE PARKING LOT MARKINGS AND SIGN	LS	1	\$ 1,000.00	\$ 1,000.00	40%	\$ 400.00
57	P-630-4.1	RUNWAY PAVEMENT GROOVING	SY	185,789	\$ 0.90	\$ 167,210.10	25%	\$ 41,802.53
58	P-702-5.1	12 INCH CLASS 53 DIP WATER	LF	714	\$ 190.00	\$ 135,660.00	30%	\$ 40,698.00
59	P-702-5.2	6 INCH CLASS 53 DIP WATER	LF	66	\$ 120.00	\$ 7,920.00	30%	\$ 2,376.00
60	P-702-5.3	12 INCH GATE VALVE WITH BOX IN CONCRETE PAVEMENT	EA	1	\$ 6,500.00	\$ 6,500.00	35%	\$ 2,275.00
61	P-702-5.4	12 INCH GATE VALVE WITH BOX IN ASPHALT PAVEMENT	EA	1	\$ 6,000.00	\$ 6,000.00	35%	\$ 2,100.00
62	P-702-5.5	6 INCH GATE VALVE WITH BOX IN CONCRETE PAVEMENT	EA	3	\$ 2,500.00	\$ 7,500.00	35%	\$ 2,625.00
63	P-702-5.6	12 INCHES TO 16 INCHES TAPPING SLEEVE AND TAPPING GATE VALVE	EA	1	\$ 7,500.00	\$ 7,500.00	35%	\$ 2,625.00
64	P-702-5.7	CONNECT TO EXISTING WATERMAIN WITH 12 INCH TEE	EA	1	\$ 4,500.00	\$ 4,500.00	35%	\$ 1,575.00
65	P-702-5.8	AIR RELEASE VALVE WITH BOX IN CONCRETE PAVEMENT	EA	1	\$ 7,000.00	\$ 7,000.00	35%	\$ 2,450.00
66	P-702-5.9	FIRE HYDRANT	EA	3	\$ 9,000.00	\$ 27,000.00	25%	\$ 6,750.00
67	P-702-5.10	ADJUST WATER VALVE TO NEW ELEVATION IN ASPHALT PAVEMENT	EA	2	\$ 2,200.00	\$ 4,400.00	30%	\$ 1,320.00
68	P-702-5.11	RELOCATE 16 INCH WATERMAIN IN CONFLICT WITH NEW STORM DRAIN	LS	1	\$ 10,000.00	\$ 10,000.00	45%	\$ 4,500.00
69	P-713-5.1	MONITORING WELLS	EA	2	\$ 4,000.00	\$ 8,000.00	15%	\$ 1,200.00
70	D-701-5.1	12 INCH DIP CLASS 53 PIPE STORM DRAIN	LF	795	\$ 142.33	\$ 113,152.35	15%	\$ 16,972.85
71	D-701-5.2	18 INCH DIP CLASS 53 PIPE STORM DRAIN	LF	58	\$ 180.00	\$ 10,440.00	15%	\$ 1,566.00
72	D-701-5.3	12 INCH RCP CLASS V STORM DRAIN	LF	190	\$ 110.00	\$ 20,900.00	15%	\$ 3,135.00
73	D-701-5.4	24 INCH RCP CLASS V STORM DRAIN	LF	640	\$ 138.66	\$ 88,358.40	15%	\$ 13,253.76
74	D-701-5.5	36 INCH RCP CLASS V STORM DRAIN	LF	687	\$ 216.33	\$ 148,618.71	15%	\$ 22,292.81
75	D-701-5.6	42 INCH RCP CLASS V STORM DRAIN	LF	495	\$ 275.33	\$ 136,288.35	15%	\$ 20,443.25
76	D-701-5.7	48 INCH RCP CLASS V STORM DRAIN	LF	136	\$ 357.54	\$ 48,625.44	15%	\$ 7,293.82
77	D-701-5.8	66 INCH RCP CLASS V STORM DRAIN	LF	1,038	\$ 500.00	\$ 519,000.00	15%	\$ 77,850.00
78	D-701-5.9	72 INCH RCP CLASS V STORM DRAIN	LF	324	\$ 1,000.00	\$ 324,000.00	15%	\$ 48,600.00
79	D-701-5.10	24 INCH EXFILTRATION TRENCH	LF	834	\$ 150.00	\$ 125,100.00	30%	\$ 37,530.00
80	D-701-5.11	12 INCHES X 12 INCHES WYE	EA	3	\$ 1,000.00	\$ 3,000.00	30%	\$ 900.00
81	D-701-5.12	36 INCHES X 12 INCHES WYE	EA	4	\$ 2,200.00	\$ 8,800.00	30%	\$ 2,640.00

ITEM NUMBER	SPECIFICATION ITEM	DESCRIPTION	UNIT	TOTAL PROJECT QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED PROJECT CONSTRUCTION COST	Labor Percentage	Labor Cost
82	D-702-5.1	DOUBLE SLOT DRAIN (6 INCHES W 9 INCHES)	LF	274	\$ 300.00	\$ 82,200.00	35%	\$ 28,770.00
83	D-702-5.2	DOUBLE SLOT DRAIN (6 INCHES W 12 INCHES)	LF	432	\$ 380.00	\$ 164,160.00	35%	\$ 57,456.00
84	D-751-5.1	INLET	EA	1	\$ 50,400.00	\$ 50,400.00	25%	\$ 12,600.00
85	D-751-5.2	STORMDRAIN MANHOLE TYPE 1	EA	1	\$ 60,000.00	\$ 60,000.00	25%	\$ 15,000.00
86	D-751-5.3	STORMDRAIN CONFLICT MANHOLE MH-2	EA	1	\$ 70,000.00	\$ 70,000.00	25%	\$ 17,500.00
87	D-751-5.4	STORMDRAIN MANHOLE MH-4	EA	1	\$ 45,000.00	\$ 45,000.00	25%	\$ 11,250.00
88	D-751-5.5	STORMDRAIN MANHOLES MH-8, MH-9, & MH-10	EA	6	\$ 50,000.00	\$ 300,000.00	25%	\$ 75,000.00
89	D-751-5.6	STORMDRAIN MANHOLES MH-6 & MH-7	EA	2	\$ 40,000.00	\$ 80,000.00	25%	\$ 20,000.00
90	D-751-5.7	STORMDRAIN MANHOLE MH-5	EA	1	\$ 45,000.00	\$ 45,000.00	25%	\$ 11,250.00
91	D-751-5.8	STORMDRAIN MANHOLES MH-1 & MH-3	EA	2	\$ 40,000.00	\$ 80,000.00	25%	\$ 20,000.00
92	D-751-5.9	GRIT CHAMBERS GC-1, GC-2 & GC-3	EA	3	\$ 40,000.00	\$ 120,000.00	25%	\$ 30,000.00
93	D-751-5.10	ACCESS INLET - DOUBLE SLOT DRAIN	EA	6	\$ 35,000.00	\$ 210,000.00	25%	\$ 52,500.00
94	D-751-5.11	CONNECT TO EXISTING STRUCTURE	EA	1	\$ 6,000.00	\$ 6,000.00	25%	\$ 1,500.00
95	D-751-5.12	72 INCHES X 24 INCHES TEE	EA	1	\$ 10,000.00	\$ 10,000.00	25%	\$ 2,500.00
96	D-751-5.13	STRUCTURE TOP MODIFICATION LESS THAN 4 INCHES	EA	22	\$ 10,300.00	\$ 226,600.00	45%	\$ 101,970.00
97	D-751-5.14	STRUCTURE TOP MODIFICATION 4 INCHES OR MORE	EA	16	\$ 12,000.00	\$ 192,000.00	45%	\$ 86,400.00
98	D-751-5.15	FDOT DITCH BOTTOM INLET TYPE J	EA	1	\$ 30,000.00	\$ 30,000.00	25%	\$ 7,500.00
99	D-755-5.1	OIL WATER SEPARATOR SYSTEM / ACCESSORIES	EA	1	\$ 250,000.00	\$ 250,000.00	25%	\$ 62,500.00
100	T-904-4.1	SODDING	SY	66,753	\$ 4.30	\$ 287,037.90	50%	\$ 143,518.95
101	M-462-5.1	ASPHALT CRACK REPAIR	LF	500	\$ 2.25	\$ 1,125.00	50%	\$ 562.50
102	EB-44B-5.1	COAL-TAR SEALER/REJUVENATOR	SY	148,762	\$ 1.90	\$ 282,647.86	10%	\$ 28,264.79
103	F-162-5.1	CHAIN LINK FENCE (8 FOOT+1 FOOT) ON TOP OF BARRIER WALL	LF	835	\$ 20.00	\$ 16,700.00	35%	\$ 5,845.00
104	F-162-5.2	CHAIN LINK FENCE (8 FOOT+1 FOOT)	LF	340	\$ 40.00	\$ 13,600.00	35%	\$ 4,760.00
105	F-162-5.3	CHAIN LINK FENCE (2-3 FEET)	LF	1,260	\$ 8.00	\$ 10,080.00	35%	\$ 3,528.00
106	F-162-5.4	FENCE REMOVAL	LF	2,285	\$ 8.00	\$ 18,280.00	40%	\$ 7,248.00
107	F-162-5.5	CONCRETE BARRIER WALL (HEIGHT VARIES)	LF	835	\$ 171.00	\$ 142,785.00	40%	\$ 57,114.00
108	F-170-5.1	NEW GUARDRAIL	LF	1,084	\$ 42.00	\$ 45,528.00	40%	\$ 18,211.20
109	L-108-5.1	No. 8 AWG L-824C CABLE	LF	725,705	\$ 1.80	\$ 1,306,269.00	40%	\$ 522,507.60
110	L-108-5.2	No. 6 BARE COUNTERPOISE WIRE	LF	107,980	\$ 1.20	\$ 129,576.00	40%	\$ 51,830.40
111	L-109-5.1	RELOCATE EXISTING CONSTANT CURRENT REGULATOR FOR NEW CIRCUIT USE	EA	2	\$ 5,000.00	\$ 10,000.00	50%	\$ 5,000.00
112	L-109-5.2	MODIFICATION AND PROGRAMMING OF THE EXISTING ALCS	LS	1	\$ 10,000.00	\$ 10,000.00	80%	\$ 8,000.00
113	L-110-5.1	1W2 PVC DUCT BANK, CONCRETE ENCASED	LF	70,100	\$ 41.60	\$ 2,916,160.00	30%	\$ 874,848.00
114	L-110-5.2	2W2 PVC DUCT BANK, CONCRETE ENCASED	LF	29,000	\$ 44.00	\$ 1,276,000.00	30%	\$ 382,800.00
115	L-110-5.3	2W4 PVC DUCT BANK, CONCRETE ENCASED	LF	630	\$ 55.00	\$ 34,650.00	30%	\$ 10,395.00
116	L-110-5.4	3W2 PVC DUCT BANK, CONCRETE ENCASED	LF	7,000	\$ 50.00	\$ 350,000.00	30%	\$ 105,000.00
117	L-110-5.5	4W4 PVC DUCT BANK, CONCRETE ENCASED	LF	1,250	\$ 70.00	\$ 87,500.00	30%	\$ 26,250.00
118	L-115-5.1	JUNCTION CAN 16 INCH L-867	EA	20	\$ 1,070.00	\$ 21,400.00	30%	\$ 6,420.00
119	L-115-5.2	JUNCTION CAN 15 INCH L-868	EA	5	\$ 1,070.00	\$ 5,350.00	30%	\$ 1,605.00
120	L-115-5.3	MANHOLE CABLE RACK SYSTEM	EA	41	\$ 4,000.00	\$ 164,000.00	30%	\$ 49,200.00
121	L-125-5.1	DEMOLISH AND REPLACE FAA MALSR THRESHOLD LIGHTS FOR RUNWAY 12 (13)	LS	1	\$ 224,000.00	\$ 224,000.00	25%	\$ 56,000.00
122	L-125-5.2	DEMOLISH AND REPLACE RUNWAY END/THRESHOLD LIGHTS FOR RUNWAY 12 (13)	LS	1	\$ 61,100.00	\$ 61,100.00	25%	\$ 15,275.00
123	L-125-5.3	INSTALLATION OF NEW RUNWAY CENTERLINE LIGHT (QUARTZ) WITH A NEW 12 INCH BASE CAN	EA	209	\$ 3,090.00	\$ 645,810.00	15%	\$ 96,871.50
124	L-125-5.4	INSTALLATION OF NEW RUNWAY IN-PAVEMENT EDGE, END, & THRESHOLD LIGHT (QUARTZ) WITH A NEW 12 INCH BASE CAN	EA	68	\$ 3,210.00	\$ 218,280.00	15%	\$ 32,742.00
125	L-125-5.5	INSTALLATION OF NEW RUNWAY ELEVATED EDGE, AND THRESHOLD LIGHT (QUARTZ) WITH A NEW 12 INCH BASE CAN	EA	44	\$ 2,000.00	\$ 88,000.00	15%	\$ 13,200.00
126	L-125-5.6	INSTALLATION OF NEW RUNWAY GUARD LIGHT (LED) WITH A NEW 12 INCH BASE CAN	EA	301	\$ 4,040.00	\$ 1,216,040.00	15%	\$ 182,406.00
127	L-125-5.7	ADJUST EXISTING RUNWAY GUARD LIGHT	EA	20	\$ 1,800.00	\$ 36,000.00	50%	\$ 18,000.00
128	L-125-5.8	ADJUST EXISTING TAXIWAY ELEVATED EDGE LIGHT	EA	588	\$ 1,190.00	\$ 699,720.00	50%	\$ 349,860.00
129	L-125-5.9	INSTALLATION OF NEW TAXIWAY ELEVATED EDGE LIGHT (LED) WITH A NEW 12 INCH BASE CAN	EA	76	\$ 2,300.00	\$ 174,800.00	15%	\$ 26,220.00
130	L-125-5.10	INSTALLATION OF NEW TAXIWAY IN-PAVEMENT EDGE LIGHT (LED) WITH A NEW 12 INCH BASE CAN	EA	5	\$ 3,000.00	\$ 15,000.00	15%	\$ 2,250.00
131	L-125-5.11	REPLACEMENT TAXIWAY ELEVATED EDGE LIGHT (LED)	EA	50	\$ 540.00	\$ 27,000.00	15%	\$ 4,050.00
132	L-125-5.12	ADJUST EXISTING TAXIWAY CENTERLINE LIGHT	EA	164	\$ 1,660.00	\$ 272,240.00	50%	\$ 136,120.00
133	L-125-5.13	INSTALLATION OF NEW TAXIWAY CENTERLINE LIGHT (LED) A NEW 12 INCH BASE CAN	EA	998	\$ 3,920.00	\$ 3,912,160.00	15%	\$ 586,824.00
134	L-125-5.14	INSTALLATION OF NEW TAXIWAY CENTERLINE LIGHT (QUARTZ) A NEW 12 INCH BASE CAN	EA	19	\$ 3,500.00	\$ 66,500.00	15%	\$ 9,975.00
135	L-125-5.15	REPLACEMENT L-868 12 INCH DIAMETER, 2 PIECE BASE CAN INSTALLED IN NEW/EXISTING PAVEMENT	EA	10	\$ 1,200.00	\$ 12,000.00	25%	\$ 3,000.00
136	L-125-5.16	REPLACEMENT L-867 12 INCH DIAMETER BASE CAN INSTALLED IN NEW/EXISTING SHOULDER PAVEMENT	EA	30	\$ 1,200.00	\$ 36,000.00	25%	\$ 9,000.00
137	L-125-5.17	NEW L-858 AIRFIELD GUIDANCE SIGN WITH CONCRETE BASE - 1 MODULE	EA	1	\$ 3,500.00	\$ 3,500.00	25%	\$ 875.00
138	L-125-5.18	NEW L-858 AIRFIELD GUIDANCE SIGN WITH CONCRETE BASE - 2 MODULE	EA	1	\$ 4,000.00	\$ 4,000.00	25%	\$ 1,000.00
139	L-125-5.19	NEW L-858 AIRFIELD GUIDANCE SIGN WITH CONCRETE BASE - 3 MODULE	EA	2	\$ 4,500.00	\$ 9,000.00	25%	\$ 2,250.00
140	L-125-5.20	NEW L-858 AIRFIELD DISTANCE TO GO SIGN WITH CONCRETE BASE	EA	5	\$ 10,100.00	\$ 50,500.00	25%	\$ 12,625.00
141	L-125-5.21	RELOCATION OF AIRFIELD GUIDANCE SIGN WITH CONCRETE BASE	EA	38	\$ 4,034.00	\$ 153,292.00	40%	\$ 61,316.80
142	L-125-5.22	REPLACE TWO MODULE SIGN FACE	EA	65	\$ 900.00	\$ 58,500.00	50%	\$ 29,250.00
143	L-125-5.23	REPLACE SINGLE MODULE SIGN FACE	EA	64	\$ 450.00	\$ 28,800.00	50%	\$ 14,400.00
144	L-125-5.24	INSTALLATION OF NEW ROADWAY HOLD LIGHT (LED) WITH A NEW 12 INCH BASE CAN	EA	6	\$ 4,040.00	\$ 24,240.00	15%	\$ 3,636.00
145	L-142-5.1	APRON FLOODLIGHTING	LS	1	\$ 250,000.00	\$ 250,000.00	15%	\$ 37,500.00
146	S-1-1	SIDEWALK 6 INCHES THICK	SY	546	\$ 100.69	\$ 54,993.86	40%	\$ 21,997.54
147	S-1-2	CONCRETE CURB FDOT TYPE D	LF	567	\$ 50.00	\$ 28,350.00	40%	\$ 11,340.00
SUBTOTAL CONSTRUCTION COST						\$ 50,880,080.77		\$ 10,221,689.56