

Manchester-Boston Regional Airport								McFARLAND-JOHNSON, INC.			
Rehabilitation of Portion of RW 24 and Portions of TW J and J1											
				BID OPENING:		APRIL 25, 2017		1:00 PM			
LOW BID vs. ENGINEER ESTIMATE COMPARISON											
				Continental Paving, Inc.		ENGINEER ESTIMATE		COMPARISON			
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	UNIT TOTAL	ESTIMATED UNIT COST	ESTIMATED UNIT TOTAL	COST DIFFERENCE	PERCENT DIFFERENCE		
BASE BID											
M-001-1	ALLOWANCE - GATE GUARDS	ALL	1	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ -	0.00%		
M-001-2	ALLOWANCE - UNIFORMED OFFICER WITH VEHICLE	ALL	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ -	0.00%		
M-100-1	MOBILIZATION	LS	1	\$ 56,000.00	\$ 56,000.00	\$ 60,000.00	\$ 60,000.00	\$ (4,000.00)	-6.67%		
M-200-1	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1	\$ 40,000.00	\$ 40,000.00	\$ 25,000.00	\$ 25,000.00	\$ 15,000.00	60.00%		
M-300-1	FIELD DATA COLLECTION FOR GIS SURVEY CONVERSION	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ -	0.00%		
M-400-1	CONSTRUCTION ACCESS MODIFICATIONS	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 25,000.00	\$ 25,000.00	\$ 5,000.00	20.00%		
P-101-1	MILL BITUMINOUS PAVEMENT (0 - 4")	SY	52,900	\$ 3.50	\$ 185,150.00	\$ 4.00	\$ 211,600.00	\$ (26,450.00)	-12.50%		
P-101-2	SAW CUT PAVEMENT	LF	1,000	\$ 3.00	\$ 3,000.00	\$ 5.00	\$ 5,000.00	\$ (2,000.00)	-40.00%		
P-101-3	SAW AND SEAL JOINTS	LF	300	\$ 12.00	\$ 3,600.00	\$ 15.00	\$ 4,500.00	\$ (900.00)	-20.00%		
P-101-4	CRACK REPAIR TYPE 1	LF	1,700	\$ 3.00	\$ 5,100.00	\$ 5.00	\$ 8,500.00	\$ (3,400.00)	-40.00%		
P-101-5	CRACK REPAIR TYPE 2	LF	600	\$ 9.00	\$ 5,400.00	\$ 15.00	\$ 9,000.00	\$ (3,600.00)	-40.00%		
P-101-6	CRACK RECONSTRUCTION	SF	100	\$ 20.00	\$ 2,000.00	\$ 20.00	\$ 2,000.00	\$ -	0.00%		
P-101-7	BITUMINOUS PAVEMENT REMOVAL	CY	330	\$ 20.00	\$ 6,600.00	\$ 30.00	\$ 9,900.00	\$ (3,300.00)	-33.33%		
P-156-1	INLET PROTECTION / CATCH BASIN FILTER BAGS	EA	16	\$ 250.00	\$ 4,000.00	\$ 350.00	\$ 5,600.00	\$ (1,600.00)	-28.57%		
P-156-2	EROSION CONTROL WATTLES	LF	440	\$ 10.00	\$ 4,400.00	\$ 8.00	\$ 3,520.00	\$ 880.00	25.00%		
P-401-1	BITUMINOUS SURFACE COURSE	TON	13,000	\$ 84.50	\$ 1,098,500.00	\$ 95.00	\$ 1,235,000.00	\$ (136,500.00)	-11.05%		
P-603-1	BITUMINOUS TACK COAT	GAL	7,900	\$ 3.00	\$ 23,700.00	\$ 3.00	\$ 23,700.00	\$ -	0.00%		
P-620-1	PERMANENT PAVEMENT MARKINGS	SF	45,800	\$ 2.25	\$ 103,050.00	\$ 2.00	\$ 91,600.00	\$ 11,450.00	12.50%		
P-620-2	PAVEMENT MARKING REMOVAL	SF	3,800	\$ 2.00	\$ 7,600.00	\$ 3.00	\$ 11,400.00	\$ (3,800.00)	-33.33%		
P-621-1	SAW-CUT GROOVING	SY	25,400	\$ 2.50	\$ 63,500.00	\$ 3.00	\$ 76,200.00	\$ (12,700.00)	-16.67%		
T-900-1	BORROW TOPSOIL SEED FERTILIZE & MULCH	SY	2,750	\$ 10.00	\$ 27,500.00	\$ 10.00	\$ 27,500.00	\$ -	0.00%		
F-162-1	TEMPORARY 8-FT CHAIN LINK FENCE WITH BARBED WIRE	LF	800	\$ 31.00	\$ 24,800.00	\$ 40.00	\$ 32,000.00	\$ (7,200.00)	-22.50%		
F-162-2	TEMPORARY 8-FT CHAIN LINK FENCE ON BARRIER WITH BARBED WIRE	LF	400	\$ 45.00	\$ 18,000.00	\$ 50.00	\$ 20,000.00	\$ (2,000.00)	-10.00%		
F-162-3A	TEMPORARY 8-FT CHAIN LINK GATE WITH BARBED WIRE	EA	2	\$ 2,000.00	\$ 4,000.00	\$ 2,500.00	\$ 5,000.00	\$ (1,000.00)	-20.00%		
F-162-3B	PERMANENT 8-FT CHAIN LINK GATE WITH BARBED WIRE	EA	1	\$ 2,250.00	\$ 2,250.00	\$ 3,000.00	\$ 3,000.00	\$ (750.00)	-25.00%		
L-108-1A	#8 AWG, 5KV L-824, TYPE C CABLE INSTALLED IN CONDUIT	LF	14,000	\$ 1.50	\$ 21,000.00	\$ 2.00	\$ 28,000.00	\$ (7,000.00)	-25.00%		
L-108-1B	#8 AWG, 5KV L-824, TYPE C COLORED CABLE, EXCESS MINIMUM QUANTITY	LF	14,000	\$ 0.85	\$ 11,900.00	\$ 0.75	\$ 10,500.00	\$ 1,400.00	13.33%		
L-108-2	#6 AWG BARE COUNTERPOISE WIRE INSTALLED IN TRENCH, INCLUDING GROUND RODS AND CONNECTIONS	LF	410	\$ 1.50	\$ 615.00	\$ 3.00	\$ 1,230.00	\$ (615.00)	-50.00%		
L-108-3	REMOVAL OF CABLE IN EXISTING CONDUIT	LF	9,700	\$ 0.60	\$ 5,820.00	\$ 1.00	\$ 9,700.00	\$ (3,880.00)	-40.00%		
L-110-1	CONCRETE ENCASED 2" CONDUIT, TYPE III PVC, SCH. 80 - RW GUARD LIGHT TRENCH	LF	410	\$ 11.00	\$ 4,510.00	\$ 20.00	\$ 8,200.00	\$ (3,690.00)	-45.00%		
L-125-1A	L-852G(L) IN PAVEMENT GUARD LIGHT WITH 6 BOLT LIGHT BASE	EA	19	\$ 2,500.00	\$ 47,500.00	\$ 2,800.00	\$ 53,200.00	\$ (5,700.00)	-10.71%		
L-125-1B	L-852G(L) IN PAVEMENT GUARD LIGHT WITH 12 BOLT LIGHT BASE	EA	15	\$ 2,750.00	\$ 41,250.00	\$ 3,000.00	\$ 45,000.00	\$ (3,750.00)	-8.33%		
L-125-2	REMOVE PLATE & LIGHT BASE IN SHOULDER PAVEMENT	EA	10	\$ 275.00	\$ 2,750.00	\$ 1,000.00	\$ 10,000.00	\$ (7,250.00)	-72.50%		
L-125-3A	RETROFIT EXISTING RUNWAY EDGE/END LIGHT	EA	24	\$ 275.00	\$ 6,600.00	\$ 400.00	\$ 9,600.00	\$ (3,000.00)	-31.25%		
L-125-3B	RETROFIT EXISTING RUNWAY CENTERLINE LIGHT	EA	31	\$ 275.00	\$ 8,525.00	\$ 750.00	\$ 23,250.00	\$ (14,725.00)	-63.33%		
L-125-3C	RETROFIT EXISTING TAXIWAY EDGE LIGHT	EA	45	\$ 275.00	\$ 12,375.00	\$ 400.00	\$ 18,000.00	\$ (5,625.00)	-31.25%		
L-125-4	RETROFIT EXISTING GUIDANCE SIGN	EA	10	\$ 350.00	\$ 3,500.00	\$ 400.00	\$ 4,000.00	\$ (500.00)	-12.50%		
L-125-5	PAVEMENT SENSOR REPLACEMENT	EA	2	\$ 9,500.00	\$ 19,000.00	\$ 10,000.00	\$ 20,000.00	\$ (1,000.00)	-5.00%		
BASE BID TOTAL				\$ 1,955,495.00		\$ 2,187,700.00		\$ (232,205.00)		-10.61%	
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	UNIT TOTAL	ESTIMATED UNIT COST	TOTAL COST	ESTIMATED UNIT COST	TOTAL COST		
ADDITIVE ALTERNATE NO. 1											
M-001-3	ALLOWANCE - MHT IT FIBER CONTRACTOR	ALL	1	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -	0.00%		
L-110-2	CONCRETE ENCASED 2" CONDUIT, TYPE III PVC, SCH. 80 - FIBER LINE TRENCH IN TURF	LF	1,460	\$ 25.00	\$ 36,500.00	\$ 25.00	\$ 36,500.00	\$ -	0.00%		
L-110-3	CONCRETE ENCASED 2" CONDUIT, TYPE III PVC, SCH. 80 - FIBER LINE TRENCH IN PVMT	LF	350	\$ 50.00	\$ 17,500.00	\$ 35.00	\$ 12,250.00	\$ 5,250.00	42.86%		
L-110-4	2" CONDUIT - RIGID GALVANIZED STEEL - FIBER LINE	LF	1,470	\$ 30.00	\$ 44,100.00	\$ 25.00	\$ 36,750.00	\$ 7,350.00	20.00%		
L-115-1	FIBER LINE HAND HOLE	EA	7	\$ 2,750.00	\$ 19,250.00	\$ 5,000.00	\$ 35,000.00	\$ (15,750.00)	-45.00%		
L-120-1	FIBER CABLE INSTALLED IN CONDUIT	LF	3,650	\$ 6.75	\$ 24,637.50	\$ 5.00	\$ 18,250.00	\$ 6,387.50	35.00%		
L-120-2	PATCH PANEL & INTERCONNECTION	EA	3	\$ 3,850.00	\$ 11,550.00	\$ 4,000.00	\$ 12,000.00	\$ (450.00)	-3.75%		
L-120-3	MHT ENGINEERING BUILDING INTERCONNECTION	EA	1	\$ 2,750.00	\$ 2,750.00	\$ 3,200.00	\$ 3,200.00	\$ (450.00)	-14.06%		
ADDITIVE ALTERNATE NO. 1 TOTAL				\$ 166,287.50		\$ 163,950.00		\$ 2,337.50		1.43%	
BASE BID + ADDITIVE ALTERNATE NO. 1 TOTAL				\$ 2,121,782.50		\$ 2,351,650.00		\$ (229,867.50)		-9.77%	