



Bid Tabulation
RIM Project to Re-configure Taxiways P & U
Manchester-Boston Regional Airport

by: SST
 checked: JLS
 date: 4/25/2018

ITEM #	DESCRIPTION	BID QTY.	UNIT	Engineers Estimate		R.S. Audley		Continental Paving		Sargent Corp	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
Reconstruct TW P and U											
G-001-1	Safety and Phasing	1	LS	\$ 100,000.00	\$100,000	\$ 175,000.00	\$175,000	\$ 55,000.00	\$55,000	\$ 429,000.00	\$429,000
G-001-2	Contractor's Safety Plan Compliance Document	1	LS	\$ 2,000.00	\$2,000	\$ 2,000.00	\$2,000	\$ 5,000.00	\$5,000	\$ 5,000.00	\$5,000
G-001-3	Gate Guard	1	AL	\$ 40,000.00	\$40,000	\$ 40,000.00	\$40,000	\$ 40,000.00	\$40,000	\$ 40,000.00	\$40,000
G-001-4	Mobilization (5%)	1	LS	\$ 534,990.38	\$534,990	\$ 480,000.00	\$480,000	\$ 300,000.00	\$300,000	\$ 500,000.00	\$500,000
G-002-1	As-Built Plans	1	FLS	\$ 15,000.00	\$15,000	\$ 15,000.00	\$15,000	\$ 15,000.00	\$15,000	\$ 15,000.00	\$15,000
G-002-2	GIS Conversion	1	LS	\$ 15,000.00	\$15,000	\$ 6,000.00	\$6,000	\$ 25,000.00	\$25,000	\$ 10,000.00	\$10,000
G-002-3	Project Photographs	1	LS	\$ 10,000.00	\$10,000	\$ 15,000.00	\$15,000	\$ 25,000.00	\$25,000	\$ 5,000.00	\$5,000
M-001-1	Engineer's Field Office	1	LS	\$ 12,000.00	\$12,000	\$ 30,000.00	\$30,000	\$ 85,000.00	\$85,000	\$ 20,000.00	\$20,000
M-002-1	Runway Down Time	1	AL	\$ 30,000.00	\$30,000	\$ 30,000.00	\$30,000	\$ 30,000.00	\$30,000	\$ 30,000.00	\$30,000
M-003-1	Bit. Pavement Milling - 4" Nominal Depth	5,950	SY	\$ 5.00	\$29,750	\$ 4.20	\$24,990	\$ 4.00	\$23,800	\$ 5.00	\$29,750
M-004-1	Crack Sealing	2,100	LF	\$ 3.00	\$6,300	\$ 2.25	\$4,725	\$ 2.00	\$4,200	\$ 7.00	\$14,700
M-005-1	Bituminous Curb	860	LF	\$ 8.00	\$6,880	\$ 11.00	\$9,460	\$ 10.00	\$8,600	\$ 12.00	\$10,320
M-006-1	Mechanically Stabilized Earth Walls	14,000	SF	\$ 70.00	\$980,000	\$ 60.00	\$840,000	\$ 55.00	\$770,000	\$ 70.00	\$980,000
M-006-2	Concrete Wall Coping	850	LF	\$ 125.00	\$106,250	\$ 92.00	\$78,200	\$ 80.00	\$68,000	\$ 100.00	\$85,000
M-006-3	Removal and Replacement of Unsuitable Wall Foundation Material	1,200	CY	\$ 40.00	\$48,000	\$ 32.00	\$38,400	\$ 50.00	\$60,000	\$ 40.00	\$48,000
M-007-1	Stone Fill - Class C	250	CY	\$ 40.00	\$10,000	\$ 45.00	\$11,250	\$ 75.00	\$18,750	\$ 75.00	\$18,750
P-152-1	Common Excavation	47,500	CY	\$ 10.00	\$475,000	\$ 6.00	\$285,000	\$ 10.00	\$475,000	\$ 8.00	\$380,000
P-152-2	Rock Excavation	2,000	CY	\$ 100.00	\$200,000	\$ 35.00	\$70,000	\$ 100.00	\$200,000	\$ 45.00	\$90,000
P-152-3	Removal of Heavy Duty Bituminous Pavement	26,400	SY	\$ 15.00	\$396,000	\$ 6.00	\$158,400	\$ 7.00	\$184,800	\$ 8.00	\$211,200
P-152-4	Removal of Light Duty Bituminous Pavement	25,400	SY	\$ 5.00	\$127,000	\$ 4.50	\$114,300	\$ 5.00	\$127,000	\$ 4.00	\$101,600
P-152-5	Removal of Pipes (≥6")	13,500	LF	\$ 15.00	\$202,500	\$ 15.00	\$202,500	\$ 20.00	\$270,000	\$ 10.00	\$135,000
P-152-6	Removal of Structures	19	EA	\$ 1,500.00	\$28,500	\$ 325.00	\$6,175	\$ 1,500.00	\$28,500	\$ 800.00	\$15,200
P-152-7	Removal of Electrical Handholes	2	EA	\$ 400.00	\$800	\$ 600.00	\$1,200	\$ 750.00	\$1,500	\$ 800.00	\$1,600
P-152-8	Removal of Cable	9,100	LF	\$ 1.00	\$9,100	\$ 0.35	\$3,185	\$ 0.40	\$3,640	\$ 0.40	\$3,640
P-152-9	Removal of Duct Bank	5,400	LF	\$ 5.00	\$27,000	\$ 3.50	\$18,900	\$ 25.00	\$135,000	\$ 15.00	\$81,000
P-152-10	Removal of Security Fence	2,075	LF	\$ 10.00	\$20,750	\$ 3.00	\$6,225	\$ 35.00	\$72,625	\$ 10.00	\$20,750
P-152-11	Removal of Existing Retaining Wall	1	LS	\$ 25,000.00	\$25,000	\$ 30,000.00	\$30,000	\$ 25,000.00	\$25,000	\$ 30,000.00	\$30,000
P-152-12	Embankment in Place	30,600	CY	\$ 12.00	\$367,200	\$ 5.50	\$168,300	\$ 15.00	\$459,000	\$ 5.00	\$153,000
P-153-1	Controlled Low Strength Material *	25	CY	\$ 100.00	\$2,500	\$ 190.00	\$4,750	\$ 25.00	\$625	\$ 300.00	\$7,500
P-154-1	Subbase Course	33,600	CY	\$ 30.00	\$1,008,000	\$ 30.00	\$1,008,000	\$ 22.00	\$739,200	\$ 32.00	\$1,075,200
P-156-1	Erosion and Sediment Control Plan and Monitoring	1	LS	\$ 50,000.00	\$50,000	\$ 7,000.00	\$7,000	\$ 15,000.00	\$15,000	\$ 30,000.00	\$30,000
P-156-2	Sediment Barrier	4,100	LF	\$ 3.50	\$14,350	\$ 3.00	\$12,300	\$ 10.00	\$41,000	\$ 5.00	\$20,500
P-156-3	Inlet Protection - Turf Areas	25	EA	\$ 350.00	\$8,750	\$ 300.00	\$7,500	\$ 300.00	\$7,500	\$ 400.00	\$10,000
P-156-4	Inlet Protection - Paved Areas	10	EA	\$ 250.00	\$2,500	\$ 300.00	\$3,000	\$ 200.00	\$2,000	\$ 400.00	\$4,000
P-156-5	Stone Check Dams	15	EA	\$ 100.00	\$1,500	\$ 740.00	\$11,100	\$ 750.00	\$11,250	\$ 400.00	\$6,000
P-156-6	Erosion Control Blankets	6,050	SY	\$ 3.00	\$18,150	\$ 1.95	\$11,797.50	\$ 5.00	\$30,250	\$ 2.00	\$12,100
P-209-1	Crushed Aggregate Base Course	6,700	CY	\$ 40.00	\$268,000	\$ 42.00	\$281,400	\$ 30.00	\$201,000	\$ 48.00	\$321,600
P-401-1	Bituminous Surface Course	8,160	TON	\$ 95.00	\$775,200	\$ 105.00	\$856,800	\$ 96.00	\$783,360	\$ 100.00	\$816,000
P-403-1	Bituminous Base Course	15,900	TON	\$ 80.00	\$1,272,000	\$ 94.00	\$1,494,600	\$ 86.00	\$1,367,400	\$ 95.00	\$1,510,500
P-603-1	Tack Coat	10,900	GAL	\$ 3.50	\$38,150	\$ 3.15	\$34,335	\$ 3.00	\$32,700	\$ 4.00	\$43,600
P-605-1	Saw and Seal Bituminous Pavement Joints	8,100	LF	\$ 5.00	\$40,500	\$ 2.75	\$22,275	\$ 3.30	\$26,730	\$ 5.00	\$40,500
P-620-1	Permanent Pavement Markings	15,350	SF	\$ 2.50	\$38,375	\$ 2.00	\$30,700	\$ 5.00	\$76,750	\$ 3.00	\$46,050
P-620-2	Black Paint	5,450	SF	\$ 1.50	\$8,175	\$ 1.00	\$5,450	\$ 3.00	\$16,350	\$ 3.00	\$16,350
P-620-3	Surface Painted Signs	1,600	SF	\$ 5.00	\$8,000	\$ 3.50	\$5,600	\$ 5.00	\$8,000	\$ 4.00	\$6,400
P-620-4	Paint Marking Removal	1,450	SF	\$ 2.50	\$3,625	\$ 3.00	\$4,350	\$ 5.00	\$7,250	\$ 3.00	\$4,350
P-621-1	Saw-Cut Grooving	9,230	SY	\$ 2.75	\$25,383	\$ 3.70	\$34,151	\$ 3.25	\$29,997.50	\$ 4.50	\$41,535
D-701-1	12-Inch Reinforced Concrete Pipe	1,990	LF	\$ 25.50	\$50,745	\$ 55.00	\$109,450	\$ 45.00	\$89,550	\$ 42.00	\$83,580

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				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
D-701-2	15-Inch Reinforced Concrete Pipe	1,050	LF	\$ 30.50	\$32,025	\$ 59.00	\$61,950	\$ 50.00	\$52,500	\$ 48.00	\$50,400
D-701-3	24-Inch Reinforced Concrete Pipe	1,410	LF	\$ 48.00	\$67,680	\$ 82.00	\$115,620	\$ 65.00	\$91,650	\$ 68.00	\$95,880
D-701-4	12-Inch Ductile Iron Pipe	75	LF	\$ 75.00	\$5,625	\$ 130.00	\$9,750	\$ 100.00	\$7,500	\$ 100.00	\$7,500
D-705-1	6-Inch Underdrain Pipe	5,960	LF	\$ 20.00	\$119,200	\$ 32.50	\$193,700	\$ 22.00	\$131,120	\$ 22.00	\$131,120
D-705-2	Underdrain Cleanout	15	EA	\$ 1,200.00	\$18,000	\$ 650.00	\$9,750	\$ 1,000.00	\$15,000	\$ 800.00	\$12,000
D-705-3	Core and Connect to Existing Structure	3	EA	\$ 400.00	\$1,200	\$ 750.00	\$2,250	\$ 1,000.00	\$3,000	\$ 1,000.00	\$3,000
D-705-4	6" Underdrain Outlet Pipe (Solid)	690	LF	\$ 15.00	\$10,350	\$ 25.00	\$17,250	\$ 25.00	\$17,250	\$ 30.00	\$20,700
D-751-1	48-Inch Diameter Manhole	4	EA	\$ 3,000.00	\$12,000	\$ 4,500.00	\$18,000	\$ 4,500.00	\$18,000	\$ 8,000.00	\$32,000
D-751-2	72-Inch Diameter Manhole	2	EA	\$ 5,000.00	\$10,000	\$ 7,100.00	\$14,200	\$ 7,500.00	\$15,000	\$ 10,000.00	\$20,000
D-751-3	48-Inch Diameter Catch Basin	13	EA	\$ 3,000.00	\$39,000	\$ 5,300.00	\$68,900	\$ 6,000.00	\$78,000	\$ 8,000.00	\$104,000
D-751-4	72-Inch Diameter Catch Basin	6	EA	\$ 5,000.00	\$30,000	\$ 9,400.00	\$56,400	\$ 10,000.00	\$60,000	\$ 10,000.00	\$60,000
D-751-5	12-Inch Concrete Flared End Section	2	EA	\$ 1,000.00	\$2,000	\$ 555.00	\$1,110	\$ 1,200.00	\$2,400	\$ 800.00	\$1,600
D-751-6	15-Inch Concrete Flared End Section	1	EA	\$ 1,300.00	\$1,300	\$ 595.00	\$595	\$ 1,500.00	\$1,500	\$ 900.00	\$900
D-751-7	24-Inch Concrete Flared End Section	1	EA	\$ 1,750.00	\$1,750	\$ 865.00	\$865	\$ 2,500.00	\$2,500	\$ 1,200.00	\$1,200
D-751-8	12-Inch Concrete Headwall	2	EA	\$ 1,250.00	\$2,500	\$ 1,700.00	\$3,400	\$ 3,500.00	\$7,000	\$ 1,800.00	\$3,600
D-751-9	Glycol Collection Structure and Valve Structure	1	LS	\$ 35,000.00	\$35,000	\$ 34,000.00	\$34,000	\$ 50,000.00	\$50,000	\$ 80,000.00	\$80,000
D-751-10	Outlet Control Structure	1	EA	\$ 10,000.00	\$10,000	\$ 17,000.00	\$17,000	\$ 20,000.00	\$20,000	\$ 20,000.00	\$20,000
D-751-11	Diversion Structure	1	EA	\$ 7,500.00	\$7,500	\$ 18,000.00	\$18,000	\$ 13,000.00	\$13,000	\$ 30,000.00	\$30,000
D-751-12	Adjust Frames and Covers	10	EA	\$ 1,250.00	\$12,500	\$ 495.00	\$4,950	\$ 500.00	\$5,000	\$ 500.00	\$5,000
D-751-13	Modify Electrical Manhole	2	EA	\$ 2,500.00	\$5,000	\$ 750.00	\$1,500	\$ 825.00	\$1,650	\$ 1,000.00	\$2,000
D-751-14	Modify FAA Manhole	1	EA	\$ 15,000.00	\$15,000	\$ 10,000.00	\$10,000	\$ 11,000.00	\$11,000	\$ 20,000.00	\$20,000
D-752-1	Infiltration Chambers	1	LS	\$ 125,000.00	\$125,000	\$ 191,000.00	\$191,000	\$ 200,000.00	\$200,000	\$ 200,000.00	\$200,000
L-100-1	Modifications to ALCMS Equipment	1	AL	\$ 25,000.00	\$25,000	\$ 25,000.00	\$25,000	\$ 25,000.00	\$25,000	\$ 25,000.00	\$25,000
L-107-1	L-806 Type I-B Size 1 Wind Cone	1	LS	\$ 25,000.00	\$25,000	\$ 7,500.00	\$7,500	\$ 8,250.00	\$8,250	\$ 15,000.00	\$15,000
L-108-1	No. 8 AWG, 5kV, L-824, Type C Cable	61,800	LF	\$ 2.00	\$123,600	\$ 1.25	\$77,250	\$ 1.40	\$86,520	\$ 1.50	\$92,700
L-108-2	No. 6 AWG, Solid, Bare Counterpoise Wire	12,900	LF	\$ 2.00	\$25,800	\$ 1.00	\$12,900	\$ 1.10	\$14,190	\$ 1.30	\$16,770
L-108-3	No. 2 AWG, 600V Wire	2,600	LF	\$ 3.00	\$7,800	\$ 1.75	\$4,550	\$ 2.00	\$5,200	\$ 2.00	\$5,200
L-108-4	No. 6 AWG, 600V Wire	5,500	LF	\$ 2.00	\$11,000	\$ 1.00	\$5,500	\$ 1.10	\$6,050	\$ 1.30	\$7,150
L-108-5	1 1/2" Innerduct	1,600	LF	\$ 2.50	\$4,000	\$ 2.00	\$3,200	\$ 2.20	\$3,520	\$ 2.50	\$4,000
L-109-1	Installation of Airport Vault Equipment	1	LS	\$ 20,000.00	\$20,000	\$ 15,000.00	\$15,000	\$ 16,500.00	\$16,500	\$ 30,000.00	\$30,000
L-109-2	CCR Installation	1	AL	\$ 70,000.00	\$70,000	\$ 70,000.00	\$70,000	\$ 70,000.00	\$70,000	\$ 70,000.00	\$70,000
L-110-1	Concrete Encased Electrical Conduit, 6-way 2" Schedule 40 PVC	320	LF	\$ 75.00	\$24,000	\$ 45.00	\$14,400	\$ 50.00	\$16,000	\$ 60.00	\$19,200
L-110-2	Reinforced Concrete Encased Electrical Duct Bank, 6-way 2" Schedule 40 PVC	470	LF	\$ 100.00	\$47,000	\$ 50.00	\$23,500	\$ 55.00	\$25,850	\$ 70.00	\$32,900
L-110-3	Concrete Encased Electrical Conduit, 1-way 2" Schedule 40 PVC	12,425	LF	\$ 15.00	\$186,375	\$ 9.00	\$111,825	\$ 10.00	\$124,250	\$ 12.00	\$149,100
L-110-4	Concrete Encased Electrical Conduit, 1-way 2" GRSC	475	LF	\$ 20.00	\$9,500	\$ 15.00	\$7,125	\$ 16.50	\$7,837.50	\$ 20.00	\$9,500
L-110-5	Direct Buried Electrical Duct Bank, 2-way 6" Schedule 40 PVC	265	LF	\$ 25.00	\$6,625	\$ 65.00	\$17,225	\$ 71.50	\$18,947.50	\$ 80.00	\$21,200
L-110-6	Direct Buried Electrical Duct Bank, 4-way 6" Schedule 40 PVC	1,590	LF	\$ 35.00	\$55,650	\$ 50.00	\$79,500	\$ 55.00	\$87,450	\$ 70.00	\$111,300
L-110-7	Concrete Encase Existing Duct Bank	700	LF	\$ 50.00	\$35,000	\$ 45.00	\$31,500	\$ 49.50	\$34,650	\$ 60.00	\$42,000
L-115-1	Electrical Handhole 4'x4' Aircraft Rated	2	EA	\$ 5,000.00	\$10,000	\$ 7,500.00	\$15,000	\$ 8,250.00	\$16,500	\$ 10,000.00	\$20,000
L-115-2	Eversource Manhole	4	EA	\$ 30,000.00	\$120,000	\$ 11,500.00	\$46,000	\$ 12,650.00	\$50,600	\$ 15,000.00	\$60,000
L-125-1	Base Mounted L-862 Elevated Runway Edge Light	3	EA	\$ 1,200.00	\$3,600	\$ 1,350.00	\$4,050	\$ 1,845.00	\$5,535	\$ 1,600.00	\$4,800
L-125-2	Base Mounted L-850C Semi-Flush Runway Edge Light	2	EA	\$ 2,700.00	\$5,400	\$ 3,000.00	\$6,000	\$ 3,300.00	\$6,600	\$ 3,500.00	\$7,000
L-125-3	Base Mounted L-861T Elevated Taxiway Edge Light	98	EA	\$ 1,100.00	\$107,800	\$ 1,305.00	\$127,890	\$ 1,435.00	\$140,630	\$ 1,600.00	\$156,800
L-125-4	Base Mounted L-852 Semi-Flush Taxiway Centerline Light	123	EA	\$ 2,700.00	\$332,100	\$ 3,375.00	\$415,125	\$ 3,715.00	\$456,945	\$ 4,000.00	\$492,000

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				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
L-125-5	Base Mounted L-804 Elevated Runway Guard Light	4	EA	\$ 3,500.00	\$14,000	\$ 3,850.00	\$15,400	\$ 4,235.00	\$16,940	\$ 4,500.00	\$18,000
L-125-6	Base Mounted L-852G Semi-Flush Runway Guard Light	20	EA	\$ 2,700.00	\$54,000	\$ 2,650.00	\$53,000	\$ 2,915.00	\$58,300	\$ 3,000.00	\$60,000
L-125-7	Base Mounted Field Lightning Arrestor	3	EA	\$ 3,500.00	\$10,500	\$ 1,900.00	\$5,700	\$ 2,090.00	\$6,270	\$ 2,500.00	\$7,500
L-125-8	Removal of Existing Fixture	105	EA	\$ 100.00	\$10,500	\$ 25.00	\$2,625	\$ 500.00	\$52,500	\$ 30.00	\$3,150
L-125-9	Temporary Lighting	1	LS	\$ 8,000.00	\$8,000	\$ 4,000.00	\$4,000	\$ 4,400.00	\$4,400	\$ 10,000.00	\$10,000
L-125-10	Valve Actuator Power Rack	1	LS	\$ 20,000.00	\$20,000	\$ 12,250.00	\$12,250	\$ 13,475.00	\$13,475	\$ 20,000.00	\$20,000
L-858-1	New Lighted Guidance Sign, - 1 Module	1	EA	\$ 3,750.00	\$3,750	\$ 5,000.00	\$5,000	\$ 5,500.00	\$5,500	\$ 8,000.00	\$8,000
L-858-2	New Lighted Guidance Sign, - 2 Module	3	EA	\$ 4,500.00	\$13,500	\$ 7,500.00	\$22,500	\$ 8,250.00	\$24,750	\$ 10,000.00	\$30,000
L-858-3	New Lighted Guidance Sign, - 3 Module	3	EA	\$ 5,000.00	\$15,000	\$ 12,000.00	\$36,000	\$ 13,200.00	\$39,600	\$ 15,000.00	\$45,000
L-858-4	Removal of Existing Guidance Sign	15	EA	\$ 1,000.00	\$15,000	\$ 100.00	\$1,500	\$ 1,500.00	\$22,500	\$ 200.00	\$3,000
L-858-5	Remove and Replace Sign Panel - 2 Module	2	EA	\$ 1,500.00	\$3,000	\$ 1,725.00	\$3,450	\$ 1,900.00	\$3,800	\$ 2,000.00	\$4,000
L-858-6	Remove and Replace Sign Panel - 3 Module	3	EA	\$ 1,750.00	\$5,250	\$ 1,875.00	\$5,625	\$ 2,065.00	\$6,195	\$ 2,500.00	\$7,500
L-858-7	New Lighted Guidance Sign, - 5 Module	1	EA	\$ 12,500.00	\$12,500	\$ 15,500.00	\$15,500	\$ 1,705.00	\$1,705	\$ 20,000.00	\$20,000
L-858-8	Relocate Lighted Sign and Foundation	1	EA	\$ 2,500.00	\$2,500	\$ 1,500.00	\$1,500	\$ 1,650.00	\$1,650	\$ 2,000.00	\$2,000
L-900-1	Utility Service Modification	1	AL	\$ 200,000.00	\$200,000	\$ 200,000.00	\$200,000	\$ 200,000.00	\$200,000	\$ 200,000.00	\$200,000
L-900-2	Temporary Generators	1	LS	\$ 10,000.00	\$10,000	\$ 27,500.00	\$27,500	\$ 27,500.00	\$27,500	\$ 30,000.00	\$30,000
T-901-1	Seeding	82,500	SY	\$ 1.00	\$82,500	\$ 0.40	\$33,000	\$ 1.00	\$82,500	\$ 0.50	\$41,250
T-905-1	Topsoil	82,500	SY	\$ 6.50	\$536,250	\$ 3.90	\$321,750	\$ 6.00	\$495,000	\$ 2.00	\$165,000
F-162-1	10' Tall Chain Link Fence	1,430	LF	\$ 40.00	\$57,200	\$ 40.00	\$57,200	\$ 60.00	\$85,800	\$ 80.00	\$114,400
F-162-2	Double Swing Vehicle Gate	1	EA	\$ 3,500.00	\$3,500	\$ 1,700.00	\$1,700	\$ 2,300.00	\$2,300	\$ 4,000.00	\$4,000
Total					\$11,234,797.88		\$9,604,198.50		\$10,182,107.50		\$10,644,595.00

*CPI Proposal contained mathematical error for item P153-1. Error was corrected and did not effect order of bids