Capital Region International Airport - Cargo Apron Expansion Phase 1

MDOT NO. FM 19-01-C214

RS&H Michigan, Inc.
Date Prepared: June 22, 2018
Prepared By: CCB/APD
RS&H Project No. 210-0289-003
Capital Region International Airport - Cargo Apron Expansion Phase 1

ITEM NO.	WORK ITEM DESCRIPTION	UNIT	QUANTITY	Bidder No. 1 - Florence Cement Co.		Bidder No. 2 - Miller Bros. Const., Inc.		Bidder No. 3 - Ajax Paving Industries Inc.		Bidder No. 4 - Hoffman Bros. Inc.				
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	LOW	HIGH	AVERAGE
	Base Bid													
GP-105-2.1	Mobilization and General Conditions	LSUM	1	$ 461,000.00	$ 461,000.00	$ 489,900.00	$ 489,900.00	$ 537,300.00	$ 537,300.00	$ 877,360.00	$ 877,360.00	$ 461,000.00	$ 877,360.00	$ 591,390.00
G-102-11.1	Safety and Security	LSUM	1	$ 190,000.00	$ 190,000.00	$ 158,900.00	$ 158,900.00	$ 300,968.00	$ 300,968.00	$ 262,650.00	$ 262,650.00	$ 158,900.00	$ 300,968.00	$ 228,129.50
G-102-11.2	Safety Plan Compliance Document	LSUM	1	$ 10,000.00	$ 10,000.00	$ 1,000.00	$ 1,000.00	$ 2,500.00	$ 2,500.00	$ 1,000.00	$ 1,000.00	$ 1,000.00	$ 10,000.00	$ 3,625.00
G-103-4.1	Engineer's Field Office	LSUM	1	$ 25,000.00	$ 25,000.00	$ 28,600.00	$ 28,600.00	$ 17,950.00	$ 17,950.00	$ 20,540.00	$ 20,540.00	$ 17,950.00	$ 28,600.00	$ 23,022.50
P-101-5.1	Pavement Removal, HMA	SYD	30	$ 30.00	$ 900.00	$ 30.00	$ 900.00	$ 12.50	$ 375.00	$ 23.35	$ 700.50	$ 375.00	$ 900.00	$ 718.88
P-152-4.1	Unclassified Excavation	CYD	44,160	$ 3.90	$ 172,224.00	$ 6.55	$ 289,248.00	$ 7.15	$ 315,744.00	$ 4.22	$ 186,355.20	$ 172,224.00	$ 315,744.00	$ 240,892.80
P-152-4.2	Borrow Excavation	CYD	3,660	$ 10.00	$ 36,600.00	$ 16.80	$ 61,488.00	$ 14.00	$ 51,240.00	$ 9.10	$ 33,306.00	$ 33,306.00	$ 61,488.00	$ 45,658.50
P-152-4.3	Undercut and Backfill	CYD	9,560	$ 22.00	$ 210,320.00	$ 22.40	$ 214,144.00	$ 23.00	$ 219,880.00	$ 11.60	$ 110,896.00	$ 110,896.00	$ 219,880.00	$ 188,810.00
P-154-5.1	Subbase Course	CYD	14,250	$ 15.50	$ 220,875.00	$ 23.65	$ 337,012.50	$ 23.25	$ 331,312.50	$ 18.55	$ 264,337.50	$ 220,875.00	$ 337,012.50	$ 288,384.38
P-156-5.1	Installation and Removal of Silt Fence	LFT	3,000	$ 3.50	$ 10,500.00	$ 3.50	$ 10,500.00	$ 3.00	$ 9,000.00	$ 3.15	$ 9,450.00	$ 9,000.00	$ 10,500.00	$ 9,862.50
P-156-5.2	Inlet Protection	EACH	5	$ 140.00	$ 700.00	$ 210.00	$ 1,050.00	$ 250.00	$ 1,250.00	$ 140.40	$ 702.00	$ 700.00	$ 1,250.00	$ 925.50
P-156-5.3	Soil Erosion and Sedimentation Control	LSUM	1	$ 75,000.00	$ 75,000.00	$ 15,100.00	$ 15,100.00	$ 10,500.00	$ 10,500.00	$ 73,145.00	$ 73,145.00	$ 10,500.00	$ 75,000.00	$ 43,436.25
P-209-5.1	Crushed Aggregate Base Course	CYD	5,240	$ 60.00	$ 314,400.00	$ 82.50	$ 432,300.00	$ 78.75	$ 412,650.00	$ 58.40	$ 306,016.00	$ 306,016.00	$ 432,300.00	$ 366,341.50
P-304-8.1	Cement Treated Base Course, 6"	SYD	31,100	$ 19.50	$ 606,450.00	$ 19.50	$ 606,450.00	$ 20.50	$ 637,550.00	$ 19.50	$ 606,450.00	$ 606,450.00	$ 637,550.00	$ 614,225.00
P-501-8.1	Portland Cement Concrete Pavement, 14"	SYD	30,310	$ 65.00	$ 1,970,150.00	$ 61.00	$ 1,848,910.00	$ 58.45	$ 1,771,619.50	$ 61.00	$ 1,848,910.00	$ 1,771,619.50	$ 1,970,150.00	$ 1,859,897.38
P-620-5.1	Airport Pavement Marking, White	SFT	250	$ 1.00	$ 250.00	$ 0.99	$ 247.50	$ 0.99	$ 247.50	$ 0.99	$ 247.50	$ 247.50	$ 250.00	$ 248.13
P-620-5.2	Airport Pavement Marking, Black	SFT	10,645	$ 0.35	$ 3,725.75	$ 0.35	$ 3,725.75	$ 0.35	$ 3,725.75	$ 0.35	$ 3,725.75	$ 3,725.75	$ 3,725.75	$ 3,725.75
P-620-5.3	Airport Pavement Marking, Yellow	SFT	9,310	$ 1.00	$ 9,310.00	$ 0.99	$ 9,216.90	$ 0.99	$ 9,216.90	$ 0.99	$ 9,216.90	$ 9,216.90	$ 9,310.00	$ 9,240.18
P-620-5.4	Pavement Marking Removal	SFT	8,500	$ 1.40	$ 11,900.00	$ 1.35	$ 11,475.00	$ 1.35	$ 11,475.00	$ 1.35	$ 11,475.00	$ 11,475.00	$ 11,900.00	$ 11,581.25
D-701-5.1	18-Inch RCP, Class V	LFT	200	$ 65.00	$ 13,000.00	$ 83.00	$ 16,600.00	$ 54.25	$ 10,850.00	$ 47.70	$ 9,540.00	$ 9,540.00	$ 16,600.00	$ 12,497.50
D-701-5.2	24-Inch RCP, Class III	LFT	200	$ 76.00	$ 15,200.00	$ 71.50	$ 14,300.00	$ 82.10	$ 16,420.00	$ 60.45	$ 12,090.00	$ 12,090.00	$ 16,420.00	$ 14,502.50
D-701-5.3	24-Inch RCP, Class V	LFT	680	$ 78.00	$ 53,040.00	$ 95.00	$ 64,600.00	$ 84.65	$ 57,562.00	$ 62.05	$ 42,194.00	$ 42,194.00	$ 64,600.00	$ 54,349.00
D-701-5.4	30-Inch RCP, Class III	LFT	310	$ 98.00	$ 30,380.00	$ 100.00	$ 31,000.00	$ 99.25	$ 30,767.50	$ 83.35	$ 25,838.50	$ 25,838.50	$ 31,000.00	$ 29,496.50
D-705-5.1	6-Inch Perforated Underdrain Pipe	LFT	3,000	$ 19.00	$ 57,000.00	$ 7.35	$ 22,050.00	$ 16.75	$ 50,250.00	$ 18.30	$ 54,900.00	$ 22,050.00	$ 57,000.00	$ 46,050.00
D-705-5.2	Underdrain Cleanout	EACH	10	$ 1,300.00	$ 13,000.00	$ 975.00	$ 9,750.00	$ 625.00	$ 6,250.00	$ 732.60	$ 7,326.00	$ 6,250.00	$ 13,000.00	$ 9,081.50
D-751-5.1	Vehicle Rated Manhole, 7' Diameter	EACH	2	$ 9,800.00	$ 19,600.00	$ 7,200.00	$ 14,400.00	$ 6,200.00	$ 12,400.00	$ 5,768.00	$ 11,536.00	$ 11,536.00	$ 19,600.00	$ 14,484.00
D-751-5.2	Stormwater Inlet and Valve Structure	EACH	1	$ 57,000.00	$ 57,000.00	$ 54,200.00	$ 54,200.00	$ 55,200.00	$ 55,200.00	$ 58,955.00	$ 58,955.00	$ 54,200.00	$ 58,955.00	$ 56,338.75
D-751-5.3	Aircraft Rated Inlet	EACH	3	$ 17,000.00	$ 51,000.00	$ 11,600.00	$ 34,800.00	$ 10,250.00	$ 30,750.00	$ 11,630.00	$ 34,890.00	$ 30,750.00	$ 51,000.00	$ 37,860.00
D-752-5.1	Concrete Mitered End Section, 24-Inch	EACH	2	$ 2,400.00	$ 4,800.00	$ 1,655.00	$ 3,310.00	$ 2,650.00	$ 5,300.00	$ 1,718.00	$ 3,436.00	$ 3,310.00	$ 5,300.00	$ 4,211.50
T-901-5.1	Seeding	ACRE	34.0	$ 1,200.00	$ 40,800.00	$ 1,150.00	$ 39,100.00	$ 1,200.00	$ 40,800.00	$ 1,150.00	$ 39,100.00	$ 39,100.00	$ 40,800.00	$ 39,950.00
T-905-5.1	Topsoiling, Obtained on-Site Cut	CYD	8,900	$ 4.40	$ 39,160.00	$ 8.60	$ 76,540.00	$ 10.25	$ 91,225.00	$ 7.09	$ 63,101.00	$ 39,160.00	$ 91,225.00	$ 67,506.50
T-908-5.1	Mulching	ACRE	34.0	$ 900.00	$ 30,600.00	$ 900.00	$ 30,600.00	$ 800.00	$ 27,200.00	$ 900.00	$ 30,600.00	$ 27,200.00	$ 30,600.00	$ 29,750.00
L-108-5.1	1/C No. 8 AWG, 5 kV, L-824, Type C Cable, Unshielded Cable, Installed in Tranch, Duct Bank or Conduit	LFT	600	$ 1.70	$ 1,020.00	$ 1.70	$ 1,020.00	$ 1.70	$ 1,020.00	$ 1.70	$ 1,020.00	$ 1,020.00	$ 1,020.00	$ 1,020.00
L-108-5.2	1/C No. 6 AWG, Solid, Bare Counterpoise Wire, Installed in Trench, Above the Duct Bank or Conduit, Including Ground Rods and Ground Connectors	LFT	450	$ 2.60	$ 1,170.00	$ 2.60	$ 1,170.00	$ 2.60	$ 1,170.00	$ 2.60	$ 1,170.00	$ 1,170.00	$ 1,170.00	$ 1,170.00
L-108-5.3	1/C No. 1 AWG, 600 V Cable, Installed in Conduit	LFT	9,000	$ 4.20	$ 37,800.00	$ 4.20	$ 37,800.00	$ 4.20	$ 37,800.00	$ 4.20	$ 37,800.00	$ 37,800.00	$ 37,800.00	$ 37,800.00
L-108-5.4	1/C No. 3 AWG, 600 V Cable, Installed in Conduit	LFT	7,225	$ 2.00	$ 14,450.00	$ 2.00	$ 14,450.00	$ 2.00	$ 14,450.00	$ 2.00	$ 14,450.00	$ 14,450.00	$ 14,450.00	$ 14,450.00
L-108-5.5	1/C No. 6 AWG, 600 V Cable, Installed in Conduit	LFT	2,700	$ 1.50	$ 4,050.00	$ 1.50	$ 4,050.00	$ 1.50	$ 4,050.00	$ 1.50	$ 4,050.00	$ 4,050.00	$ 4,050.00	$ 4,050.00
L-110-5.1	Direct Buried Electrical Conduit, 1-2" PVC Schedule 40	LFT	800	$ 9.00	$ 7,200.00	$ 8.80	$ 7,040.00	$ 8.80	$ 7,040.00	$ 8.80	$ 7,040.00	$ 7,040.00	$ 7,200.00	$ 7,080.00
L-110-5.2	Direct Buried Electrical Conduit, 1-2-1/2" PVC Schedule 40	LFT	1,250	$ 11.00	$ 13,750.00	$ 11.00	$ 13,750.00	$ 11.00	$ 13,750.00	$ 11.00	$ 13,750.00	$ 13,750.00	$ 13,750.00	$ 13,750.00
L-110-5.3	Concrete Encased Electrical Counduit, 1-2" PVC Schedule 40	LFT	130	$ 34.00	$ 4,420.00	$ 34.00	$ 4,420.00	$ 34.00	$ 4,420.00	$ 34.00	$ 4,420.00	$ 4,420.00	$ 4,420.00	$ 4,420.00
L-125-5.1	L-853 Taxiway Retro-Reflective Marker	EACH	34	$ 218.00	$ 7,412.00	$ 218.00	$ 7,412.00	$ 218.00	$ 7,412.00	$ 218.00	$ 7,412.00	$ 7,412.00	$ 7,412.00	$ 7,412.00
L-125-5.2	Remove Conduit and Cable	LSUM	1	$ 5,600.00	$ 5,600.00	$ 5,617.00	$ 5,617.00	$ 5,617.00	$ 5,617.00	$ 5,617.00	$ 5,617.00	$ 5,600.00	$ 5,617.00	$ 5,612.75
L-125-5.3	Remove Taxiway Edge Light, Including Base	EACH	5	$ 192.00	$ 960.00	$ 192.00	$ 960.00	$ 192.00	$ 960.00	$ 192.00	$ 960.00	$ 960.00	$ 960.00	$ 960.00
L-125-5.4	Remove L-853 Taxiway Retro-Reflective Marker	EACH	9	$ 57.00	$ 513.00	$ 57.00	$ 513.00	$ 57.00	$ 513.00	$ 57.00	$ 513.00	$ 513.00	$ 513.00	$ 513.00
L-125-5.5	Temporary Airport Lighting Systems	LSUM	1	$ 4,800.00	$ 4,800.00	$ 4,828.00	$ 4,828.00	$ 4,828.00	$ 4,828.00	$ 4,828.00	$ 4,828.00	$ 4,800.00	$ 4,828.00	$ 4,821.00
L-125-5.6	L-858(L) Guidance Sign, Size 2, 3 Modules	EACH	1	$ 9,700.00	$ 9,700.00	$ 9,665.00	$ 9,665.00	$ 9,665.00	$ 9,665.00	$ 9,665.00	$ 9,665.00	$ 9,665.00	$ 9,700.00	$ 9,673.75
265619-1	Remove and Relocate 50' Light Pole with Three Fixtures	EACH	8	$ 4,800.00	$ 38,400.00	$ 4,760.00	$ 38,080.00	$ 4,760.00	$ 38,080.00	$ 4,760.00	$ 38,080.00	$ 38,080.00	$ 38,400.00	$ 38,160.00
265619-2	50' Light Pole with Three Fixtures	EACH	4	$ 33,000.00	$ 132,000.00	$ 33,250.00	$ 133,000.00	$ 33,250.00	$ 133,000.00	$ 33,250.00	$ 133,000.00	$ 132,000.00	$ 133,000.00	$ 132,750.00
MDOT-308-5.1	Geotextile, Seperator	SYD	7,800	$ 1.50	$ 11,700.00	$ 1.30	$ 10,140.00	$ 1.75	$ 13,650.00	$ 1.05	$ 8,190.00	$ 8,190.00	$ 13,650.00	$ 10,920.00
	BASE BID TOTAL				**$ 5,048,829.75**		**$ 5,225,332.65**		**$ 5,376,903.65**		**$ 5,311,954.85**			
	Bid Alternate No. 1													
P-304-8.1	Cement Treated Base Course, 6"	SYD	(31,100)	$ 19.50	$ (606,450.00)	$ 19.50	$ (606,450.00)	$ 20.50	$ (637,550.00)	$ 19.50	$ (606,450.00)	$ (637,550.00)	$ (606,450.00)	$ (616,816.67)
P-403-8.1	HMA Base Course	TN	11,300	$ 86.00	$ 971,800.00	$ 85.41	$ 965,133.00	$ 85.41	$ 965,133.00	$ 89.67	$ 1,013,271.00	$ 965,133.00	$ 1,013,271.00	$ 981,179.00
P-603-5.1	Bituminous Tack Coat	GAL	4,443	$ 4.00	$ 17,772.00	$ 3.50	$ 15,550.50	$ 3.50	$ 15,550.50	$ 3.75	$ 16,661.25	$ 15,550.50	$ 17,772.00	$ 15,920.75
	BID ALTERNATE NO. 1 TOTAL				**$ 383,122.00**		**$ 374,233.50**		**$ 343,133.50**		**$ 423,482.25**			
	BASE BID + BID ALTERNATE NO. 1 TOTAL				**$ 5,431,951.75**		**$ 5,599,566.15**		**$ 5,720,037.15**		**$ 5,735,437.10**			