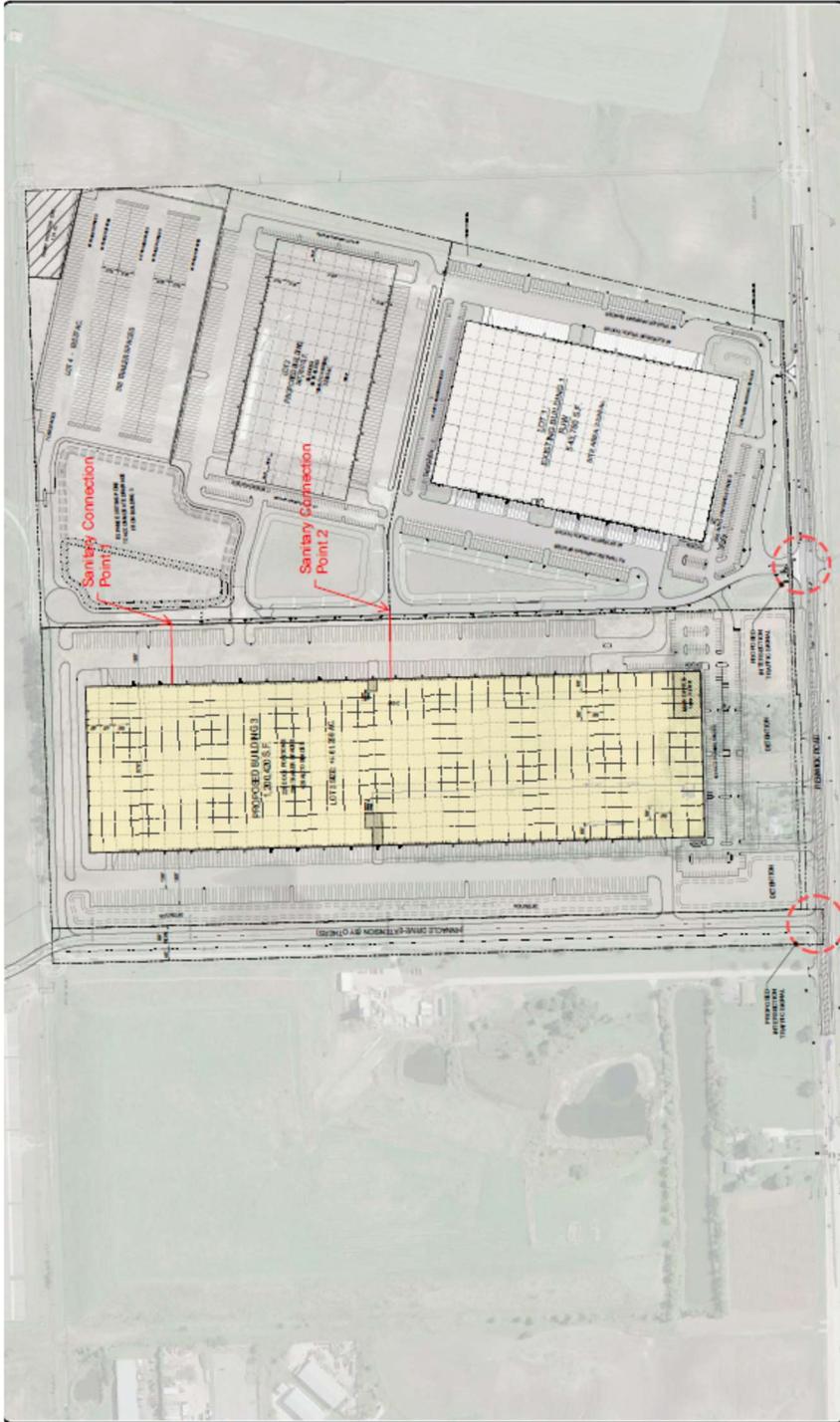


EXHIBIT D-4

SEWER MAINS



SITE PLAN - OVERALL PARK
AIRPORT LOGISTICS PHASE II
Renwick Road - Romeoville, IL

Scale: 1" = 300'
OCTOBER 7 2020

COST ESTIMATELocal Agency Village of Romeoville

Location _____

Description Pinnacle Drive - Renwick Road north to existing Pinnacle Drive**Schedule for Single Bid**

(For complete information covering these items, see plans and specifications)

TOTAL COST ESTIMATE					\$3,172,064.50
Item Number	Items	Unit	Quantity	Unit Price	Total
	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	17,900	\$2.50	\$44,750.00
	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	205	\$14.00	\$2,870.00
	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	2	\$1,500.00	\$3,000.00
	COMBINATION CONCRETE CURB AND GUTTER, TYPE B -6.24	FOOT	200	\$36.00	\$7,200.00
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1	\$10,000.00	\$10,000.00
	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	750	\$2.25	\$1,687.50
	AGGREGATE SHOULDER REMOVAL	CU YD	75	\$40.00	\$3,000.00
	PROCESSING LIME STABILIZED SOIL MIXTURE 12"	SQ YD	14,250	\$6.00	\$85,500.00
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	100	\$85.00	\$8,500.00
	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	370	\$18.00	\$6,660.00
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1	\$12,000.00	\$12,000.00
	POROUS GRANULAR EMBANKMENT	CU YD	2,500	\$30.00	\$75,000.00
	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	7,000	\$14.00	\$98,000.00
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	40	\$80.00	\$3,200.00
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	230	\$85.00	\$19,550.00
1	EARTH EXCAVATION	CU YD	4,000	\$40.00	\$160,000.00
2	ROCK EXCAVATION	CU YD	5	\$300.00	\$1,500.00
3	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	200	\$35.00	\$7,000.00
5	TRENCH BACKFILL	CU YD	1,870	\$40.00	\$74,800.00
7	NITROGEN FERTILIZER NUTRIENT	POUND	125	\$10.00	\$1,250.00
8	PHOSPHORUS FERTILIZER NUTRIENT	POUND	125	\$10.00	\$1,250.00
9	POTASSIUM FERTILIZER NUTRIENT	POUND	125	\$10.00	\$1,250.00
10	EROSION CONTROL BLANKET	SQ YD	6,700	\$3.00	\$20,100.00
11	PERIMETER EROSION BARRIER	FOOT	6,200	\$3.50	\$21,700.00
12	STONE RIPRAP, CLASS A3	SQ YD	140	\$80.00	\$11,200.00
13	FILTER FABRIC	SQ YD	140	\$20.00	\$2,800.00
14	AGGREGATE SUBGRADE IMPROVEMENT 4"	SQ YD	14,400	\$12.00	\$172,800.00
15	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	2,800	\$14.00	\$39,200.00
16	AGGREGATE SURFACE COURSE, TYPE A 8"	SQ YD	400	\$16.00	\$6,400.00
17	AGGREGATE FOR TEMPORARY ACCESS	TON	200	\$20.00	\$4,000.00

Item Number	Items	Unit	Quantity	Unit Price	Total
18	BITUMINOUS MATERIALS (PRIME COAT)	POUND	7,130	\$0.20	\$1,426.00
19	BITUMINOUS MATERIALS (TACK COAT)	POUND	18,630	\$0.20	\$3,726.00
20	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	7,400	\$80.00	\$592,000.00
21	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	330	\$80.00	\$26,400.00
22	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	1,560	\$100.00	\$156,000.00
23	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	550	\$8.00	\$4,400.00
24	DETECTABLE WARNINGS	SQ FT	100	\$32.00	\$3,200.00
25	PAVEMENT REMOVAL	SQ YD	700	\$18.00	\$12,600.00
26	DRIVEWAY PAVEMENT REMOVAL	SQ YD	265	\$18.00	\$4,770.00
27	COMBINATION CURB AND GUTTER REMOVAL	FOOT	690	\$12.00	\$8,280.00
28	SIDEWALK REMOVAL	SQ FT	320	\$2.50	\$800.00
29	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4	\$1,200.00	\$4,800.00
30	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	2	\$1,800.00	\$3,600.00
31	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1,550	\$60.00	\$93,000.00
32	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	270	\$70.00	\$18,900.00
33	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	1,340	\$75.00	\$100,500.00
34	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	200	\$90.00	\$18,000.00
35	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	120	\$120.00	\$14,400.00
36	STORM SEWER REMOVAL 12"	FOOT	80	\$18.00	\$1,440.00
37	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	3,600	\$30.00	\$108,000.00
38	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	22	\$2,200.00	\$48,400.00
39	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	\$2,600.00	\$31,200.00
40	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	\$3,200.00	\$19,200.00
41	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	14	\$1,400.00	\$19,600.00
42	INLETS, TYPE A, TYPE 8 GRATE	EACH	4	\$1,400.00	\$5,600.00
43	REMOVING CATCH BASINS	EACH	2	\$650.00	\$1,300.00
44	COMBINATION CONCRETE CURB AND GUTTER, TYPE B -6.12	FOOT	7,000	\$30.00	\$210,000.00
45	MOBILIZATION	LSUM	1	\$180,000.00	\$180,000.00
46	SIGN PANEL - TYPE 1	SQ FT	5	\$50.00	\$250.00
47	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	\$200.00	\$200.00
48	METAL POST - TYPE B	FOOT	15	\$24.00	\$360.00
49	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	450	\$4.00	\$1,800.00
50	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12,000	\$1.75	\$21,000.00
51	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	800	\$2.00	\$1,600.00
52	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	700	\$2.50	\$1,750.00
53	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	150	\$4.00	\$600.00
54	ELECTRIC SERVICE INSTALLATION	EACH	1	\$2,000.00	\$2,000.00
55	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	\$6,000.00	\$6,000.00
56	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	\$2,500.00	\$2,500.00

Item Number	Items	Unit	Quantity	Unit Price	Total
57	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	620	\$22.00	\$13,640.00
58	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	120	\$30.00	\$3,600.00
59	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	350	\$35.00	\$12,250.00
60	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	300	\$45.00	\$13,500.00
61	HANDHOLE	EACH	5	\$1,600.00	\$8,000.00
62	HEAVY-DUTY HANDHOLE	EACH	2	\$2,000.00	\$4,000.00
63	DOUBLE HANDHOLE	EACH	1	\$2,800.00	\$2,800.00
64	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	4,250	\$15.00	\$63,750.00
65	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	120	\$14.00	\$1,680.00
66	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	\$10,000.00	\$10,000.00
67	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	130	\$180.00	\$23,400.00
68	RELOCATE EXISTING LIGHTING UNIT	EACH	1	\$5,000.00	\$5,000.00
69	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	300	\$1.40	\$420.00
70	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,200	\$1.60	\$1,920.00
71	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,000	\$1.90	\$1,900.00
72	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,000	\$1.20	\$1,200.00
73	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	80	\$3.00	\$240.00
74	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,000	\$3.60	\$3,600.00
75	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	\$1,200.00	\$4,800.00
76	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1	\$1,500.00	\$1,500.00
79	CONCRETE FOUNDATION, TYPE A	FOOT	24	\$210.00	\$5,040.00
80	CONCRETE FOUNDATION, TYPE C	FOOT	4	\$550.00	\$2,200.00
81	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	25	\$225.00	\$5,625.00
82	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2	\$800.00	\$1,600.00
83	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	\$700.00	\$3,500.00
84	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3	\$950.00	\$2,850.00
85	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	\$1,050.00	\$2,100.00
86	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4	\$250.00	\$1,000.00
87	INDUCTIVE LOOP DETECTOR	EACH	5	\$230.00	\$1,150.00
88	DETECTOR LOOP, TYPE I	FOOT	760	\$18.00	\$13,680.00
89	LIGHT DETECTOR	EACH	2	\$1,200.00	\$2,400.00
90	LIGHT DETECTOR AMPLIFIER	EACH	1	\$2,500.00	\$2,500.00
92	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	300	\$1.50	\$450.00
93	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	3	\$3,500.00	\$10,500.00
94	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	\$2,750.00	\$2,750.00
95	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1	\$27,500.00	\$27,500.00
96	MANHOLES, TYPE A, 6"-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2	\$6,000.00	\$12,000.00
97	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	\$20,000.00	\$20,000.00
98	LIGHTING UNIT COMPLETE, SPECIAL	EACH	19	\$8,000.00	\$152,000.00

Item Number	Items	Unit	Quantity	Unit Price	Total
99	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	10	\$250.00	\$2,500.00
100	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	\$6,000.00	\$6,000.00
101	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	240	\$60.00	\$14,400.00
102	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	2	\$550.00	\$1,100.00
103	LONGITUDINAL JOINT SEALANT	FOOT	6,400	\$2.50	\$16,000.00
104	SEEDING, SPECIAL	SQ YD	6,700	\$7.50	\$50,250.00

Construction Engineer's Opinion of Probable Cost (EOPC) = \$3,172,064.50
 Construction Engineering and Grant Administration (6% of EOPC) = \$190,323.87
 Construction Material Testing Quality Assurance (2% of EOPC) = \$63,441.29

Subtotal of Estimated Project Cost = \$3,425,829.66