

LOCHNER

TABULATION OF BIDS

CHILLICOTHE MUNICIPAL AIRPORT CHILLICOTHE, MISSOURI

PROJECT DESCRIPTION

RECONSTRUCT RUNWAY 14-32 AND CONNECTING TAXIWAYS
INSTALL NEW MEDIUM INTENSITY RUNWAY LIGHTING (MIRL) SYSTEM
INSTALL NEW RUNWAY 14 PAPI SYSTEM
INSTALL RUNWAY 14-32 REIL SYSTEMS
INSTALL LIGHTED HOLDING POSITION SIGNS

MoDOT PROJECT NO. 17-015A-1

Bids Received: 6/20/2019
Lochner Job No.: 000012850

Bids Tabulated By: CDW
Date: 6/20/2019

Bids Checked By: BRE
Date: 6/20/2019



				Engineer's Estimate		Ideker, Inc. 4614 South 40th Street St Joseph, MO 64507		Emery Sapp & Sons, Inc. 2301 I-70 Drive NW Columbia, MO 65202	
Item No.	Item Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1	L.S.	\$ 380,000.00	\$ 380,000.00	\$ 420,000.00	\$ 420,000.00	\$ 281,000.00	\$ 281,000.00
2	Temporary Marking, Lighting, & Barricades	1	L.S.	\$ 15,959.00	\$ 15,959.00	\$ 55,000.00	\$ 55,000.00	\$ 12,200.00	\$ 12,200.00
3	Saw Cut	362	L.F.	\$ 5.00	\$ 1,810.00	\$ 5.00	\$ 1,810.00	\$ 4.60	\$ 1,665.20
4	Pavement and Base Course Removal	36,578	S.Y.	\$ 8.00	\$ 292,624.00	\$ 4.50	\$ 164,601.00	\$ 4.50	\$ 164,601.00
5	Pavement Marking Removal	537	S.F.	\$ 5.00	\$ 2,685.00	\$ 4.00	\$ 2,148.00	\$ 20.00	\$ 10,740.00
6	Existing CMP Removal	616	L.F.	\$ 2.50	\$ 1,540.00	\$ 22.00	\$ 13,552.00	\$ 9.00	\$ 5,544.00
7	Existing Lighting System and Signs Removal	1	L.S.	\$ 7,000.00	\$ 7,000.00	\$ 2,500.00	\$ 2,500.00	\$ 12,000.00	\$ 12,000.00
8	Existing Underdrain System Removal	1	L.S.	\$ 15,000.00	\$ 15,000.00	\$ 19,000.00	\$ 19,000.00	\$ 35,000.00	\$ 35,000.00
9	Unclassified Excavation	6,202	C.Y.	\$ 7.00	\$ 43,414.00	\$ 10.00	\$ 62,020.00	\$ 8.85	\$ 54,887.70
10	Unsuitable Subgrade Removal and Replacement	500	C.Y.	\$ 15.00	\$ 7,500.00	\$ 10.00	\$ 5,000.00	\$ 20.00	\$ 10,000.00
11	Lime-Treated Subgrade (12")	37,534	S.Y.	\$ 10.00	\$ 375,340.00	\$ 6.00	\$ 225,204.00	\$ 10.00	\$ 375,340.00
12	Erosion Control Barrier (Silt Fence)	1,970	L.F.	\$ 4.00	\$ 7,880.00	\$ 3.00	\$ 5,910.00	\$ 2.40	\$ 4,728.00
13	Erosion Control Barrier (Straw Wattle)	140	L.F.	\$ 5.00	\$ 700.00	\$ 6.00	\$ 840.00	\$ 6.10	\$ 854.00
14	Erosion Control Blanket (Type 2C)	11,000	S.Y.	\$ 4.00	\$ 44,000.00	\$ 0.30	\$ 3,300.00	\$ 0.28	\$ 3,080.00
15	Permanent Transition Mat	288	S.F.	\$ 20.00	\$ 5,760.00	\$ 14.00	\$ 4,032.00	\$ 13.65	\$ 3,931.20
16	Unsuitable Subgrade Removal and Replacement with Rock Base	1,000	C.Y.	\$ 20.00	\$ 20,000.00	\$ 12.00	\$ 12,000.00	\$ 55.00	\$ 55,000.00
17	Aggregate Base Course (6")	37,534	S.Y.	\$ 10.00	\$ 375,340.00	\$ 6.50	\$ 243,971.00	\$ 13.70	\$ 514,215.80
18	Aggregate Subbase Course (6")	37,534	S.Y.	\$ 10.00	\$ 375,340.00	\$ 6.50	\$ 243,971.00	\$ 9.00	\$ 337,806.00
19	P.C.C. Pavement (6")	36,520	S.Y.	\$ 45.00	\$ 1,643,400.00	\$ 34.50	\$ 1,259,940.00	\$ 40.00	\$ 1,460,800.00
20	Permanent Reflectorized Pavement Marking (White)(Solid)	13,550	S.F.	\$ 2.00	\$ 27,100.00	\$ 3.00	\$ 40,650.00	\$ 3.00	\$ 40,650.00
21	Permanent Reflectorized Pavement Marking (White)(Striated)	1,274	S.F.	\$ 2.00	\$ 2,548.00	\$ 6.00	\$ 7,644.00	\$ 3.00	\$ 3,822.00
22	Permanent Reflectorized Pavement Marking (Yellow)	1,425	S.F.	\$ 2.00	\$ 2,850.00	\$ 3.00	\$ 4,275.00	\$ 3.00	\$ 4,275.00
23	Permanent Non-Reflectorized Pavement Marking (Black)	7,128	S.F.	\$ 2.00	\$ 14,256.00	\$ 2.50	\$ 17,820.00	\$ 3.00	\$ 21,384.00
24	Temporary Non-Reflectorized Pavement Marking (White)(Solid)	3,200	S.F.	\$ 1.00	\$ 3,200.00	\$ 2.00	\$ 6,400.00	\$ 3.00	\$ 9,600.00
25	Temporary Non-Reflectorized Pavement Marking (White)(Striated)	1,274	S.F.	\$ 1.00	\$ 1,274.00	\$ 5.00	\$ 6,370.00	\$ 3.00	\$ 3,822.00
26	Temporary Non-Reflectorized Pavement Marking (Yellow)	1,425	S.F.	\$ 1.00	\$ 1,425.00	\$ 2.00	\$ 2,850.00	\$ 3.00	\$ 4,275.00
27	18" Pipe	96	L.F.	\$ 110.00	\$ 10,560.00	\$ 60.00	\$ 5,760.00	\$ 43.00	\$ 4,128.00
28	24" Pipe	88	L.F.	\$ 125.00	\$ 11,000.00	\$ 74.00	\$ 6,512.00	\$ 55.00	\$ 4,840.00

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Item No.	Item Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
29	30" Pipe	112	L.F.	\$ 150.00	\$ 16,800.00	\$ 75.00	\$ 8,400.00	\$ 70.00	\$ 7,840.00
30	18" RCP End Section	2	Ea.	\$ 1,200.00	\$ 2,400.00	\$ 900.00	\$ 1,800.00	\$ 700.00	\$ 1,400.00
31	24" RCP End Section	2	Ea.	\$ 1,300.00	\$ 2,600.00	\$ 1,100.00	\$ 2,200.00	\$ 800.00	\$ 1,600.00
32	30" RCP End Section	2	Ea.	\$ 1,500.00	\$ 3,000.00	\$ 1,300.00	\$ 2,600.00	\$ 1,000.00	\$ 2,000.00
33	Conventional Underdrain (4") (Schedule 40)	7,718	L.F.	\$ 15.00	\$ 115,770.00	\$ 11.40	\$ 87,985.20	\$ 11.40	\$ 87,985.20
34	Conventional Underdrain (4") (Schedule 80)	117	L.F.	\$ 20.00	\$ 2,340.00	\$ 13.40	\$ 1,567.80	\$ 13.40	\$ 1,567.80
35	Non-Perforated Outlet Pipe (4") (Schedule 40)	768	L.F.	\$ 15.00	\$ 11,520.00	\$ 8.00	\$ 6,144.00	\$ 8.00	\$ 6,144.00
36	Non-Perforated Outlet Pipe (4") (Schedule 80)	456	L.F.	\$ 20.00	\$ 9,120.00	\$ 9.50	\$ 4,332.00	\$ 9.50	\$ 4,332.00
37	Underdrain Cleanout Riser	25	Ea.	\$ 800.00	\$ 20,000.00	\$ 1,050.00	\$ 26,250.00	\$ 1,050.00	\$ 26,250.00
38	Splash Pad	8	Ea.	\$ 800.00	\$ 6,400.00	\$ 780.00	\$ 6,240.00	\$ 780.00	\$ 6,240.00
39	Connect to Proposed Storm Pipe	10	Ea.	\$ 500.00	\$ 5,000.00	\$ 550.00	\$ 5,500.00	\$ 550.00	\$ 5,500.00
40	Permanent Seeding	13	Ac.	\$ 1,500.00	\$ 18,900.00	\$ 1,550.00	\$ 19,530.00	\$ 1,550.00	\$ 19,530.00
41	Temporary Seeding	13	Ac.	\$ 800.00	\$ 10,800.00	\$ 440.00	\$ 5,544.00	\$ 440.00	\$ 5,544.00
42	Placement of Topsoil (Obtained on Site)	1	L.S.	\$ 20,000.00	\$ 20,000.00	\$ 16,310.00	\$ 16,310.00	\$ 53,500.00	\$ 53,500.00
43	HydroMulch	10	Ac.	\$ 2,000.00	\$ 20,600.00	\$ 860.00	\$ 8,858.00	\$ 860.00	\$ 8,858.00
44	Install Cable in Duct (1/c, #8 AWG, 5kV L-824C)	16,520	L.F.	\$ 2.00	\$ 33,040.00	\$ 1.25	\$ 20,650.00	\$ 1.25	\$ 20,650.00
45	Install Cable in Duct (1/c, #6 AWG, 600V L-824C)	2,775	L.F.	\$ 2.00	\$ 5,550.00	\$ 3.00	\$ 8,325.00	\$ 3.00	\$ 8,325.00
46	Bare Counterpoise Wire (#6 AWG) (Revised Per Add. No. 1)	12,500	L.F.	\$ 1.50	\$ 18,750.00	\$ 1.50	\$ 18,750.00	\$ 1.50	\$ 18,750.00
47	Airfield Electrical Vault Modifications, Complete	1	L.S.	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
48	Furnish and Install 4 kW CCR	1	Ea.	\$ 8,000.00	\$ 8,000.00	\$ 7,980.00	\$ 7,980.00	\$ 7,980.00	\$ 7,980.00
49	Furnish and Install 7.5 kW CCR	1	Ea.	\$ 10,000.00	\$ 10,000.00	\$ 10,900.00	\$ 10,900.00	\$ 10,900.00	\$ 10,900.00
50	1" Electrical Duct and Trench (Revised Per Add. No. 1)	12,620	L.F.	\$ 4.00	\$ 50,480.00	\$ 3.00	\$ 37,860.00	\$ 3.00	\$ 37,860.00
51	1-2" PVC, Schedule 40, Concrete Encased Electrical Duct	295	L.F.	\$ 40.00	\$ 11,800.00	\$ 10.00	\$ 2,950.00	\$ 10.00	\$ 2,950.00
52	2-2" PVC, Schedule 40, Concrete Encased Electrical Duct	192	L.F.	\$ 60.00	\$ 11,520.00	\$ 25.00	\$ 4,800.00	\$ 25.00	\$ 4,800.00
53	1-2" PVC, Schedule 80, Bore Duct Under Pavement	135	L.F.	\$ 25.00	\$ 3,375.00	\$ 25.00	\$ 3,375.00	\$ 25.00	\$ 3,375.00
54	L-867 Junction Box	10	Ea.	\$ 500.00	\$ 5,000.00	\$ 700.00	\$ 7,000.00	\$ 700.00	\$ 7,000.00
55	Retroreflective Markers	24	Ea.	\$ 150.00	\$ 3,600.00	\$ 100.00	\$ 2,400.00	\$ 100.00	\$ 2,400.00
56	M.I.R.L. (LED), Base Mounted (Red/Green Lens)	16	Ea.	\$ 1,050.00	\$ 16,800.00	\$ 1,100.00	\$ 17,600.00	\$ 1,100.00	\$ 17,600.00
57	M.I.R.L. (LED), Base Mounted (Clear/Yellow Lens)	33	Ea.	\$ 950.00	\$ 31,350.00	\$ 985.00	\$ 32,505.00	\$ 985.00	\$ 32,505.00
58	M.I.R.L. (LED), Base Mounted (Yellow/Yellow Lens)	2	Ea.	\$ 950.00	\$ 1,900.00	\$ 955.00	\$ 1,910.00	\$ 955.00	\$ 1,910.00
59	M.I.T.L. (LED), Base Mounted (Blue Lens)	42	Ea.	\$ 900.00	\$ 37,800.00	\$ 900.00	\$ 37,800.00	\$ 900.00	\$ 37,800.00
60	New 1 Module (LED) Lighted L-858R Sign (Size 1, Style 2)	2	Ea.	\$ 4,500.00	\$ 9,000.00	\$ 3,200.00	\$ 6,400.00	\$ 3,200.00	\$ 6,400.00
61	New 2 Module (LED) Lighted L-858R Sign (Size 1, Style 2)	2	Ea.	\$ 6,000.00	\$ 12,000.00	\$ 4,100.00	\$ 8,200.00	\$ 4,100.00	\$ 8,200.00
62	Furnish and Install REIL System	2	Ea.	\$ 18,000.00	\$ 36,000.00	\$ 17,000.00	\$ 34,000.00	\$ 17,000.00	\$ 34,000.00
63	Furnish and Install 4-Box PAPI System	1	Ea.	\$ 25,000.00	\$ 25,000.00	\$ 24,000.00	\$ 24,000.00	\$ 24,000.00	\$ 24,000.00
TOTAL BID					\$ 4,295,000.00		\$ 3,343,746.00		\$ 3,975,884.90