

**Nichols Arboretum Sewer and Siphon Rehabilitation - Tabulation of Bids**

City File No. 2016-026; ITB No. 4461 Addenda Nos. 1 and 2 issued  
 Bid Date: November 15, 2016; 10:00 a.m., e.s.t.;

LiquiForce Services (USA), Inc.  
 28529 Goddard Rd., Ste. 106  
 Romulus, Michigan 48174

Ric-Man Construction, Inc.  
 6850 Nineteen Mile Road  
 Sterling Heights, Michigan 48314

Lanzo Trenchless Technologies, North  
 28135 Groesbeck Highway  
 Roseville, Michigan 48066

SAK Construction, LLC  
 864 Hoff Road  
 O'Fallon, Missouri 63366

Item Number	Description	Unit	Estimated Quantity	Engineer's	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
				Estimate									
130	Protective Fencing	LF	3,396	\$5.00	\$16,980.00	\$13.20	\$44,827.20	\$4.00	\$13,584.00	\$12.00	\$40,752.00	\$6.00	\$20,376.00
200	General Conditions, Max. \$104,000	Lump Sum	1	\$104,000.00	\$104,000.00	\$39,862.20	\$39,862.20	\$104,000.00	\$104,000.00	\$52,000.00	\$52,000.00	\$104,000.00	\$104,000.00
201	Audiovisual Recording	Lump Sum	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$6,200.00	\$6,200.00	\$5,800.00	\$5,800.00	\$5,500.00	\$5,500.00
202	1" x 3" Aggregate, 12 inch	SY	535	\$20.00	\$10,700.00	\$70.00	\$37,450.00	\$27.00	\$14,445.00	\$3.00	\$1,605.00	\$70.00	\$37,450.00
203	Seeding, Fescue Lawn Mixture	LB	25	\$6.00	\$150.00	\$70.00	\$1,750.00	\$200.00	\$5,000.00	\$15.00	\$375.00	\$70.00	\$1,750.00
204	Seeding, Mesic Woodland Mixture	LB	10	\$90.00	\$900.00	\$275.00	\$2,750.00	\$200.00	\$2,000.00	\$15.00	\$150.00	\$260.00	\$2,600.00
205	Minor Traf Devices, Modified	Lump Sum	1	\$12,500.00	\$12,500.00	\$1,000.00	\$1,000.00	\$3,200.00	\$3,200.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
206	Topsoil Surface, Furn, 4-inch	SY	1,473	\$3.00	\$4,419.00	\$9.00	\$13,257.00	\$2.00	\$2,946.00	\$6.00	\$8,838.00	\$9.00	\$13,257.00
207	Topsoil Surface, Furn, 1-inch, Modified	SY	292	\$2.00	\$584.00	\$7.00	\$2,044.00	\$5.00	\$1,460.00	\$3.00	\$876.00	\$6.00	\$1,752.00
208	Swing Gate	Ea	1	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	\$4,500.00	\$4,500.00	\$2,500.00	\$2,500.00	\$9,000.00	\$9,000.00
209	Sewer Flow Control	Lump Sum	1	\$100,000.00	\$100,000.00	\$50,000.00	\$50,000.00	\$70,000.00	\$70,000.00	\$50,000.00	\$50,000.00	\$300,000.00	\$300,000.00
210	Clean 36-inch Dia. Sanitary Sewer	LF	1,967	\$55.00	\$108,185.00	\$44.40	\$87,334.80	\$45.00	\$88,515.00	\$40.00	\$78,680.00	\$50.00	\$98,350.00
211	Clean 24-inch Dia. Siphon Pipe	LF	1,256	\$65.00	\$81,640.00	\$79.20	\$99,475.20	\$85.00	\$106,760.00	\$80.00	\$100,480.00	\$100.00	\$125,600.00
212	PACP Televis 24-inch Dia. Sanitary Sewer	LF	1,967	\$5.00	\$9,835.00	\$2.40	\$4,720.80	\$2.00	\$3,934.00	\$4.00	\$7,868.00	\$5.00	\$9,835.00
213	PACP Televis 24-inch Dia. Siphon Pipe	LF	1,256	\$6.00	\$7,536.00	\$4.80	\$6,028.80	\$5.00	\$6,280.00	\$6.00	\$7,536.00	\$10.00	\$12,560.00
214	Level 2 MACP Insect Manhole or Chamber	Ea	10	\$3,000.00	\$30,000.00	\$90.00	\$900.00	\$191.00	\$1,910.00	\$500.00	\$5,000.00	\$100.00	\$1,000.00
215	Special Clean & Inspect - Chamber 71-69893	LS	1	\$25,000.00	\$25,000.00	\$1,800.00	\$1,800.00	\$1,900.00	\$1,900.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
216	Special Clean & Inspect - Chamber 71-69895	LS	1	\$25,000.00	\$25,000.00	\$1,800.00	\$1,800.00	\$1,900.00	\$1,900.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
217	Removal and Disposal of Sludge and Debris Material	Ton	100	\$500.00	\$50,000.00	\$24.00	\$2,400.00	\$25.00	\$2,500.00	\$30.00	\$3,000.00	\$25.00	\$2,500.00
218	Removal and Replacement of Chamber Roof Slab - MH 71-70049	Lump Sum	1	\$20,000.00	\$20,000.00	\$4,968.00	\$4,968.00	\$61,000.00	\$61,000.00	\$10,000.00	\$10,000.00	\$50,000.00	\$50,000.00
219	Removal and Replacement of Chamber Roof Slab - MH 71-69895	Lump Sum	1	\$25,000.00	\$25,000.00	\$6,276.00	\$6,276.00	\$61,000.00	\$61,000.00	\$12,000.00	\$12,000.00	\$50,000.00	\$50,000.00
220	CIPP Line 36-inch Dia. Sanitary Sewer	LF	1,627	\$250.00	\$406,750.00	\$210.00	\$341,670.00	\$175.00	\$284,725.00	\$309.00	\$502,743.00	\$340.00	\$553,180.00
221	Preline 36-inch Dia. Sanitary Sewer	LF	500	\$50.00	\$25,000.00	\$1.00	\$500.00	\$10.00	\$5,000.00	\$16.00	\$8,000.00	\$7.00	\$3,500.00
222	Project Clean-up and Restoration, Special	Lump Sum	1	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$12,000.00	\$12,000.00	\$12,000.00	\$12,000.00	\$150,000.00	\$150,000.00
2020004	Tree Rem, 6 inch to 18 inch	Ea	9	\$500.00	\$4,500.00	\$100.00	\$900.00	\$510.00	\$4,590.00	\$1,200.00	\$10,800.00	\$625.00	\$5,625.00
2080036	Erosion Control, Silt Fence	FT	1,644	\$4.00	\$6,576.00	\$6.00	\$9,864.00	\$6.00	\$9,864.00	\$5.00	\$8,220.00	\$6.00	\$9,864.00
2080010	Erosion Control, Aggregate Cover	SY	444	\$20.00	\$8,880.00	\$65.00	\$28,860.00	\$8.00	\$3,552.00	\$3.00	\$1,332.00	\$60.00	\$26,640.00
3020020	Aggregate Base, 8 inch	SY	305	\$16.00	\$4,880.00	\$75.00	\$22,875.00	\$33.00	\$10,065.00	\$5.00	\$1,525.00	\$65.00	\$19,825.00
3060010	Aggregate Surface Cse, 6 inch	SY	665	\$12.00	\$7,980.00	\$30.00	\$19,950.00	\$17.00	\$11,305.00	\$4.00	\$2,660.00	\$30.00	\$19,950.00
4021230	Sewer Bulkhead, 12 inch	Ea	1	\$350.00	\$350.00	\$1,000.00	\$1,000.00	\$850.00	\$850.00	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00
4021232	Sewer Bulkhead, 18 inch	Ea	1	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$950.00	\$950.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00
8120022	Barricade, Type III, High Intensity, Lighted, Furn	Ea	25	\$80.00	\$2,000.00	\$200.00	\$5,000.00	\$19.00	\$475.00	\$2.00	\$50.00	\$200.00	\$5,000.00
8120023	Barricade, Type III, High Intensity, Lighted, Oper	Ea	25	\$7.00	\$175.00	\$300.00	\$7,500.00	\$12.00	\$300.00	\$3.00	\$75.00	\$40.00	\$1,000.00
8120030	Channelizing Device, 42 inch, Furn	Ea	100	\$14.00	\$1,400.00	\$10.00	\$1,000.00	\$25.00	\$2,500.00	\$5.00	\$500.00	\$65.00	\$6,500.00
8120031	Channelizing Device, 42 inch, Oper	Ea	100	\$1.00	\$100.00	\$10.00	\$1,000.00	\$13.00	\$1,300.00	\$5.00	\$500.00	\$40.00	\$4,000.00
8120090	Culv, Temp	Ea	2	\$3,000.00	\$6,000.00	\$1.00	\$2.00	\$4,100.00	\$8,200.00	\$5,000.00	\$10,000.00	\$1,500.00	\$3,000.00
8120140	Lighted Arrow, Type C, Furn	Ea	1	\$400.00	\$400.00	\$1,000.00	\$1,000.00	\$1,900.00	\$1,900.00	200	200	\$6,000.00	\$6,000.00
8120141	Lighted Arrow, Type C, Oper	Ea	1	\$50.00	\$50.00	\$1,000.00	\$1,000.00	\$1,300.00	\$1,300.00	500	500	\$800.00	\$800.00
8120310	Sign Cover	Ea	10	\$50.00	\$500.00	\$5.00	\$50.00	\$32.00	\$320.00	\$50.00	\$500.00	\$15.00	\$150.00
8120350	Sign, Type B, Temp, Prismatic, Furn	SF	460	\$4.00	\$1,840.00	\$6.00	\$2,760.00	\$6.00	\$2,760.00	\$5.00	\$2,300.00	\$25.00	\$11,500.00
8120351	Sign, Type B, Temp, Prismatic, Oper	SF	460	\$0.50	\$230.00	\$6.00	\$2,760.00	\$2.00	\$920.00	\$3.00	\$1,380.00	\$5.00	\$2,300.00
8160028	Mulch Blanket, High Velocity	SY	1,473	\$3.00	\$4,419.00	\$5.00	\$7,365.00	\$4.00	\$5,892.00	\$8.00	\$11,784.00	\$5.00	\$7,365.00
8160037	Seeding, Mixture TDS	LB	15	\$5.00	\$75.00	\$80.00	\$1,200.00	\$165.00	\$2,475.00	\$15.00	\$225.00	\$80.00	\$1,200.00

**\$1,143,034.00**

**\$890,900.00**

**\$934,277.00**

**\$981,754.00**

**\$1,695,429.00**

Note: The Engineer's Estimate varies from the value previously quoted as there were minor revisions to the final quantities.

Prepared by: Michael G. Nearing, P.E.  
 Senior Project Manager  
 November 28, 2016