

Village of Orland Park														
ITB 20-027 Fernway Subdivision Roadway and Ditch Grading Improvements 2020														
Bid Date - August 28, 2020 at 11:00 AM														
				Engineers Estimate			PT Ferro Construction Company		D. Construction		Austin Tyler Construction		M&J Asphalt Paving Co.	
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL COST		UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	60	\$ 55.00	\$3,300.00		\$19.00	\$1,140.00	\$21.00	\$1,260.00	\$19.00	\$1,140.00	\$72.00	\$4,320.00
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	133	\$ 65.00	\$8,645.00		\$23.50	\$3,125.50	\$26.00	\$3,458.00	\$23.50	\$3,125.50	\$205.00	\$27,265.00
3	TEMPORARY FENCE	LF	740	\$ 10.00	\$7,400.00		\$5.00	\$3,700.00	\$20.00	\$14,800.00	\$0.01	\$7.40	\$4.00	\$2,960.00
4	TREE ROOT PRUNING	EACH	37	\$ 200.00	\$7,400.00		\$90.00	\$3,330.00	\$99.00	\$3,663.00	\$0.01	\$0.37	\$110.00	\$4,070.00
5	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	9	\$ 150.00	\$1,350.00		\$40.00	\$360.00	\$44.00	\$396.00	\$30.00	\$270.00	\$190.00	\$1,710.00
6	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	29	\$ 150.00	\$4,350.00		\$90.00	\$2,610.00	\$99.00	\$2,871.00	\$40.00	\$1,160.00	\$290.00	\$8,410.00
7	NITROGEN FERTILIZER NUTRIENT	LB	116	\$ 5.00	\$580.00		\$2.00	\$232.00	\$2.20	\$255.20	\$3.00	\$348.00	\$1.00	\$116.00
8	PHOSPHORUS FERTILIZER NUTRIENT	LB	116	\$ 5.00	\$580.00		\$2.00	\$232.00	\$2.20	\$255.20	\$3.00	\$348.00	\$1.00	\$116.00
9	POTASSIUM FERTILIZER NUTRIENT	LB	116	\$ 5.00	\$580.00		\$2.00	\$232.00	\$2.20	\$255.20	\$3.00	\$348.00	\$1.00	\$116.00
10	EARTH EXCAVATION	CY	4,242	\$ 27.00	\$114,534.00		\$25.00	\$106,050.00	\$25.00	\$106,050.00	\$26.00	\$110,292.00	\$53.00	\$224,826.00
11	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CY	1,587	\$ 27.00	\$42,849.00		\$25.00	\$39,675.00	\$25.00	\$39,675.00	\$30.00	\$47,610.00	\$44.00	\$69,828.00
12	TRENCH BACKFILL	CY	35	\$ 40.00	\$1,400.00		\$55.00	\$1,925.00	\$50.00	\$1,750.00	\$50.00	\$1,750.00	\$35.00	\$1,225.00
13	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SY	1,780	\$ 2.00	\$3,560.00		\$2.00	\$3,560.00	\$2.00	\$3,560.00	\$1.50	\$2,670.00	\$1.00	\$1,780.00
14	TOPSOIL FURNISH AND PLACE, 4"	SY	9,300	\$ 5.50	\$51,150.00		\$3.50	\$32,550.00	\$3.85	\$35,805.00	\$4.50	\$41,850.00	\$12.00	\$111,600.00
15	GRADING AND SHAPING DITCHES	LF	4,150	\$ 7.00	\$29,050.00		\$5.00	\$20,750.00	\$7.00	\$29,050.00	\$7.00	\$29,050.00	\$10.00	\$41,500.00
16	SODDING, SALT TOLERANT	SY	9,300	\$ 8.00	\$74,400.00		\$8.00	\$74,400.00	\$8.80	\$81,840.00	\$6.50	\$60,450.00	\$12.00	\$111,600.00
17	SUPPLEMENTAL WATERING	UNIT	140	\$ 50.00	\$7,000.00		\$25.00	\$3,500.00	\$27.50	\$3,850.00	\$0.01	\$1.40	\$10.00	\$1,400.00
18	TEMPORARY DITCH CHECKS	LF	96	\$ 20.00	\$1,920.00		\$15.00	\$1,440.00	\$16.50	\$1,584.00	\$15.00	\$1,440.00	\$10.00	\$960.00
19	INLET AND PIPE PROTECTION	EACH	14	\$ 200.00	\$2,800.00		\$150.00	\$2,100.00	\$165.00	\$2,310.00	\$0.01	\$0.14	\$100.00	\$1,400.00
20	INLET FILTERS	EACH	5	\$ 200.00	\$1,000.00		\$200.00	\$1,000.00	\$247.50	\$1,237.50	\$0.01	\$0.05	\$150.00	\$750.00
21	WASHOUT BASIN	EACH	3	\$ 750.00	\$2,250.00		\$500.00	\$1,500.00	\$1,000.00	\$3,000.00	\$250.00	\$750.00	\$400.00	\$1,200.00
22	STONE RIPRAP, CLASS A3	SY	195	\$ 80.00	\$15,600.00		\$25.00	\$4,875.00	\$60.00	\$11,700.00	\$50.00	\$9,750.00	\$60.00	\$11,700.00
23	STONE RIPRAP, CLASS A5	SY	100	\$ 110.00	\$11,000.00		\$80.00	\$8,000.00	\$90.00	\$9,000.00	\$75.00	\$7,500.00	\$70.00	\$7,000.00
24	FILTER FABRIC	SY	270	\$ 4.00	\$1,080.00		\$2.00	\$540.00	\$3.00	\$810.00	\$2.00	\$540.00	\$5.00	\$1,350.00
25	AGGREGATE SUBGRADE IMPROVEMENT	CY	590	\$ 45.00	\$26,550.00		\$35.00	\$20,650.00	\$45.00	\$26,550.00	\$25.00	\$14,750.00	\$35.00	\$20,650.00
26	AGGREGATE SUBGRADE IMPROVEMENT 12"	SY	5,935	\$ 16.00	\$94,960.00		\$13.00	\$77,155.00	\$16.00	\$94,960.00	\$14.00	\$83,090.00	\$13.00	\$77,155.00
27	SUBBASE GRANULAR MATERIAL, TYPE B 4.75"	SY	1,120	\$ 10.00	\$11,200.00		\$9.00	\$10,080.00	\$7.00	\$7,840.00	\$4.55	\$5,096.00	\$5.00	\$5,600.00
28	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,000	\$ 70.00	\$70,000.00		\$60.00	\$60,000.00	\$72.50	\$72,500.00	\$68.00	\$68,000.00	\$72.00	\$72,000.00
29	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	585	\$ 75.00	\$43,875.00		\$70.00	\$40,950.00	\$75.00	\$43,875.00	\$76.00	\$44,460.00	\$86.00	\$50,310.00
30	BITUMINOUS MATERIALS (TACK COAT)	LB	2,671	\$ 0.20	\$534.20		\$0.01	\$26.71	\$0.01	\$26.71	\$0.01	\$26.71	\$0.01	\$26.71
31	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	20	\$ 125.00	\$2,500.00		\$0.01	\$0.20	\$100.00	\$2,000.00	\$90.00	\$1,800.00	\$120.00	\$2,400.00
32	BRICK DRIVEWAY REMOVAL AND REPLACEMENT	SF	50	\$ 20.00	\$1,000.00		\$25.00	\$1,250.00	\$27.50	\$1,375.00	\$30.00	\$1,500.00	\$40.00	\$2,000.00
33	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3.5 INCH	SY	755	\$ 35.00	\$26,425.00		\$40.00	\$30,200.00	\$33.00	\$24,915.00	\$42.00	\$31,710.00	\$40.00	\$30,200.00
34	HOT-MIX ASPHALT PATH PAVEMENT, 1.5 INCH	SY	405	\$ 38.00	\$15,390.00		\$18.00	\$7,290.00	\$30.00	\$12,150.00	\$23.00	\$9,315.00	\$10.00	\$4,050.00
35	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH	SF	360	\$ 65.00	\$23,400.00		\$20.00	\$7,200.00	\$65.00	\$23,400.00	\$65.00	\$23,400.00	\$7.00	\$2,520.00
36	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SF	450	\$ 8.00	\$3,600.00		\$10.00	\$4,500.00	\$7.00	\$3,150.00	\$13.00	\$5,850.00	\$7.00	\$3,150.00
37	DETECTABLE WARNINGS	SF	64	\$ 20.00	\$1,280.00		\$30.00	\$1,920.00	\$35.00	\$2,240.00	\$30.00	\$1,920.00	\$30.00	\$1,920.00
38	PAVEMENT REMOVAL	SY	5,850	\$ 8.00	\$46,800.00		\$6.00	\$35,100.00	\$4.50	\$26,325.00	\$6.00	\$35,100.00	\$7.00	\$40,950.00
39	DRIVEWAY PAVEMENT REMOVAL	SY	1,660	\$ 15.00	\$24,900.00		\$10.00	\$16,600.00	\$12.00	\$19,920.00	\$10.00	\$16,600.00	\$12.00	\$19,920.00
40	COMBINATION CURB AND GUTTER REMOVAL	LF	30	\$ 10.00	\$300.00		\$10.00	\$300.00	\$8.50	\$255.00	\$20.00	\$600.00	\$15.00	\$450.00
41	CLASS D PATCHES, TYPE I, 5 INCH	SY	50	\$ 80.00	\$4,000.00		\$50.00	\$2,500.00	\$80.00	\$4,000.00	\$50.00	\$2,500.00	\$70.00	\$3,500.00
42	CLASS D PATCHES, TYPE II, 5 INCH	SY	30	\$ 80.00	\$2,400.00		\$50.00	\$1,500.00	\$80.00	\$2,400.00	\$50.00	\$1,500.00	\$70.00	\$2,100.00
43	PORTLAND CEMENT CONCRETE SHOULDERS 12"	SY	785	\$ 110.00	\$86,350.00		\$115.00	\$90,275.00	\$62.00	\$48,670.00	\$100.00	\$78,500.00	\$125.00	\$98,125.00
44	PIPE CULVERT REMOVAL	LF	250	\$ 25.00	\$6,250.00		\$15.00	\$3,750.00	\$10.00	\$2,500.00	\$0.01	\$2.50	\$5.00	\$1,250.00
45	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	\$ 650.00	\$1,300.00		\$750.00	\$1,500.00	\$600.00	\$1,200.00	\$800.00	\$1,600.00	\$675.00	\$1,350.00
46	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	\$ 700.00	\$700.00		\$775.00	\$775.00	\$700.00	\$700.00	\$850.00	\$850.00	\$725.00	\$725.00
47	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	\$ 800.00	\$1,600.00		\$825.00	\$1,650.00	\$800.00	\$1,600.00	\$900.00	\$1,800.00	\$825.00	\$1,650.00
48	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	\$ 1,000.00	\$1,000.00		\$910.00	\$910.00	\$900.00	\$900.00	\$990.00	\$990.00	\$985.00	\$985.00
49	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 27"	EACH	2	\$ 1,400.00	\$2,800.00		\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,100.00	\$2,200.00	\$1,225.00	\$2,450.00
50	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	\$ 1,800.00	\$1,800.00		\$1,050.00	\$1,050.00	\$1,100.00	\$1,100.00	\$1,200.00	\$1,200.00	\$1,250.00	\$1,250.00
51	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	\$ 2,200.00	\$2,200.00		\$1,320.00	\$1,320.00	\$1,200.00	\$1,200.00	\$1,400.00	\$1,400.00	\$1,750.00	\$1,750.00
52	GRATING FOR CONCRETE FLARED END SECTION 15"	EACH	1	\$ 420.00	\$420.00		\$525.00	\$525.00	\$300.00	\$300.00	\$400.00	\$400.00	\$325.00	\$325.00
53	GRATING FOR CONCRETE FLARED END SECTION 18"	EACH	2	\$ 480.00	\$960.00		\$575.00	\$1,150.00	\$400.00	\$800.00	\$450.00	\$900.00	\$375.00	\$750.00
54	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1	\$ 500.00	\$500.00		\$640.00	\$640.00	\$500.00	\$500.00	\$525.00	\$525.00	\$450.00	\$450.00
55	GRATING FOR CONCRETE FLARED END SECTION 27"	EACH	2	\$ 600.00	\$1,200.00		\$675.00	\$1,350.00	\$600.00	\$1,200.00	\$575.00	\$1,150.00	\$500.00	\$1,000.00

56	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	1	\$ 700.00	\$700.00		\$705.00	\$705.00	\$700.00	\$700.00	\$600.00	\$600.00	\$525.00	\$525.00
57	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	1	\$ 800.00	\$800.00		\$780.00	\$780.00	\$800.00	\$800.00	\$675.00	\$675.00	\$575.00	\$575.00
58	PIPE CULVERTS, CLASS A, TYPE 1 12"	LF	340	\$ 60.00	\$20,400.00		\$65.00	\$22,100.00	\$55.00	\$18,700.00	\$53.00	\$18,020.00	\$65.00	\$22,100.00
59	PIPE CULVERTS, CLASS A, TYPE 1 15"	LF	210	\$ 70.00	\$14,700.00		\$70.00	\$14,700.00	\$60.00	\$12,600.00	\$56.00	\$11,760.00	\$70.00	\$14,700.00
60	PIPE CULVERTS, CLASS A, TYPE 1 18"	LF	81	\$ 80.00	\$6,480.00		\$75.00	\$6,075.00	\$65.00	\$5,265.00	\$63.00	\$5,103.00	\$80.00	\$6,480.00
61	PIPE CULVERTS, CLASS A, TYPE 1 24"	LF	48	\$ 100.00	\$4,800.00		\$80.00	\$3,840.00	\$75.00	\$3,600.00	\$73.00	\$3,504.00	\$95.00	\$4,560.00
62	PIPE CULVERTS, CLASS A, TYPE 1 27"	LF	68	\$ 120.00	\$8,160.00		\$85.00	\$5,780.00	\$80.00	\$5,440.00	\$77.00	\$5,236.00	\$105.00	\$7,140.00
63	PIPE CULVERTS, CLASS A, TYPE 1 30"	LF	39	\$ 135.00	\$5,265.00		\$90.00	\$3,510.00	\$100.00	\$3,900.00	\$87.00	\$3,393.00	\$125.00	\$4,875.00
64	STORM SEWERS, CLASS A, TYPE 1 12"	LF	75	\$ 65.00	\$4,875.00		\$45.00	\$3,375.00	\$55.00	\$4,125.00	\$48.00	\$3,600.00	\$70.00	\$5,250.00
65	STORM SEWERS, CLASS A, TYPE 1 15"	LF	8	\$ 75.00	\$600.00		\$50.00	\$400.00	\$60.00	\$480.00	\$76.00	\$608.00	\$75.00	\$600.00
66	STORM SEWERS, CLASS A, TYPE 1 24"	LF	99	\$ 105.00	\$10,395.00		\$65.00	\$6,435.00	\$75.00	\$7,425.00	\$63.00	\$6,237.00	\$100.00	\$9,900.00
67	STORM SEWERS, CLASS A, TYPE 1 30"	LF	8	\$ 140.00	\$1,120.00		\$80.00	\$640.00	\$100.00	\$800.00	\$100.00	\$800.00	\$135.00	\$1,080.00
68	STORM SEWERS, CLASS A, TYPE 1 36"	LF	68	\$ 180.00	\$12,240.00		\$95.00	\$6,460.00	\$100.00	\$6,800.00	\$85.00	\$5,780.00	140	\$9,520.00
69	FIRE HYDRANTS TO BE ADJUSTED	EACH	5	\$ 1,500.00	\$7,500.00		\$500.00	\$2,500.00	\$2,000.00	\$10,000.00	\$0.01	\$0.05	875	\$4,375.00
70	PIPE DRAINS 8"	FOOT	20	\$ 60.00	\$1,200.00		\$90.00	\$1,800.00	\$50.00	\$1,000.00	\$40.00	\$800.00	40	\$800.00
71	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	\$ 1,800.00	\$1,800.00		\$1,475.00	\$1,475.00	\$1,800.00	\$1,800.00	\$2,200.00	\$2,200.00	1500	\$1,500.00
72	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,800.00	\$2,800.00		\$2,050.00	\$2,050.00	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	4000	\$4,000.00
73	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 3,800.00	\$3,800.00		\$2,850.00	\$2,850.00	\$2,300.00	\$2,300.00	\$2,000.00	\$2,000.00	5000	\$5,000.00
74	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	\$ 6,500.00	\$13,000.00		\$5,000.00	\$10,000.00	\$3,000.00	\$6,000.00	\$4,700.00	\$9,400.00	6250	\$12,500.00
75	MANHOLES TO BE ADJUSTED	EACH	10	\$ 350.00	\$3,500.00		\$100.00	\$1,000.00	\$400.00	\$4,000.00	\$200.00	\$2,000.00	550	\$5,500.00
76	MANHOLES TO BE RECONSTRUCTED, BLOCK	EACH	3	\$ 1,000.00	\$3,000.00		\$150.00	\$450.00	\$1,600.00	\$4,800.00	\$0.01	\$0.03	850	\$2,550.00
77	MANHOLES TO BE RECONSTRUCTED, CONE SECTION	EACH	3	\$ 1,000.00	\$3,000.00		\$150.00	\$450.00	\$1,600.00	\$4,800.00	\$0.01	\$0.03	950	\$2,850.00
78	MANHOLES TO BE RECONSTRUCTED, FLAT TOP SLAB	EACH	3	\$ 1,000.00	\$3,000.00		\$150.00	\$450.00	1600	\$4,800.00	0.01	\$0.03	900	\$2,700.00
79	MANHOLES TO BE MORTARED	EACH	3	\$ 200.00	\$600.00		\$300.00	\$900.00	200	\$600.00	100	\$300.00	250	\$750.00
80	REMOVING MANHOLES	EACH	1	\$ 500.00	\$500.00		\$250.00	\$250.00	1000	\$1,000.00	800	\$800.00	250	\$250.00
81	MOBILIZATION	LS	1	\$ 64,500.00	\$64,500.00		\$56,000.00	\$56,000.00	10000	\$10,000.00	56000	\$56,000.00	13500	\$13,500.00
82	SIGN PANEL- TYPE 1	SF	4	\$ 100.00	\$400.00		\$75.00	\$300.00	100	\$400.00	15	\$60.00	15	\$60.00
83	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	11	\$ 200.00	\$2,200.00		\$200.00	\$2,200.00	100	\$1,100.00	200	\$2,200.00	160	\$1,760.00
84	TELESCOPING STEEL SIGN SUPPORT	FOOT	50	\$ 15.00	\$750.00		\$15.00	\$750.00	15	\$750.00	25	\$1,250.00	10	\$500.00
85	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	10	\$ 40.00	\$400.00		\$35.00	\$350.00	50	\$500.00	23	\$230.00	40	\$400.00
86	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	LF	50	\$ 3.00	\$150.00		\$11.20	\$560.00	10	\$500.00	6	\$300.00	20	\$1,000.00
87	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	LF	70	\$ 80.00	\$5,600.00		\$42.50	\$2,975.00	50	\$3,500.00	12	\$840.00	30	\$2,100.00
88	STABILIZED CONSTRUCTION ENTRANCE	SY	300	\$ 25.00	\$7,500.00		\$0.01	\$3.00	0.01	\$3.00	0.01	\$3.00	40	\$12,000.00
89	RELOCATE EXISTING MAILBOX	EACH	28	\$ 250.00	\$7,000.00		\$200.00	\$5,600.00	150	\$4,200.00	200	\$5,600.00	150	\$4,200.00
90	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	40	\$ 5.00	\$200.00		\$50.00	\$2,000.00	0.01	\$0.40	10	\$400.00	60	\$2,400.00
91	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	27	\$ 100.00	\$2,700.00		\$0.01	\$0.27	250	\$6,750.00	0.01	\$0.27	100	\$2,700.00
92	TEMPORARY ACCESS (ROAD)	EACH	4	\$ 500.00	\$2,000.00		\$0.01	\$0.04	7000	\$28,000.00	0.01	\$0.04	330	\$1,320.00
93	SPECIAL NEEDS DRIVEWAY ACCESS	EACH	5	\$ 500.00	\$2,500.00		\$0.01	\$0.05	5000	\$25,000.00	1000	\$5,000.00	400	\$2,000.00
94	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	120	\$ 45.00	\$5,400.00		\$65.00	\$7,800.00	40	\$4,800.00	44	\$5,280.00	49	\$5,880.00
95	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LS	1	\$ 20,000.00	\$20,000.00		\$5,950.00	\$5,950.00	5000	\$5,000.00	30000	\$30,000.00	10350	\$10,350.00
96	CONSTRUCTION LAYOUT	LS	1	\$ 12,000.00	\$12,000.00		\$9,000.00	\$9,000.00	10000	\$10,000.00	15000	\$15,000.00	10500	\$10,500.00
		Engineer's Estimate of Cost:			\$1,167,507.20									