

PROJECT NO.: 2020-424-106-1				Insight Pipe Contracting, LLC		Insituform Technologies		JET JACK		Michels Corporation		SAK Construction, LLC	
PROJECT TITLE: 2021 Small Diameter Sewer Rehabilitation Contract No. 1				\$4,767,826.10		\$3,087,532.50		\$3,136,220.00		\$3,749,545.00		\$4,118,492.00	
Items	Description	UOM	Estimated Quantity	Unit Price	Extended Cost	Unit Price	Extended Cost	Unit Price	Extended Cost	Unit Price	Extended Cost	Unit Price	Extended Cost
U-1	Mobilization / Demobilization, Permits, Bonds and Insurance, Maintenance and Protection of Traffic	LS	1	\$130,500.00	\$130,500.00	\$68,500.00	\$68,500.00	\$127,000.00	\$127,000.00	\$166,000.00	\$166,000.00	\$125,000.00	\$125,000.00
U-4	Rock and Obstruction Excavation, All Depths	CY	10	\$22	\$220	\$20	\$200	\$50	\$500	\$21	\$210	\$21	\$210
U-5	Exploratory Excavation and Backfill	CY	25	\$67	\$1,675.00	\$62	\$1,550.00	\$200	\$5,000.00	\$61	\$1,525.00	\$62	\$1,550.00
U-6	Hand Digging and Tunneling	MHR	20	\$64	\$1,280.00	\$60	\$1,200.00	\$50	\$1,000.00	\$59	\$1,180.00	\$60	\$1,200.00
U-7	Additional Bedding Material, As Directed	CY	20	\$67	\$1,340.00	\$62	\$1,240.00	\$55	\$1,100.00	\$61	\$1,220.00	\$62	\$1,240.00
U-8	Concrete Encasement	CY	5	\$167	\$835	\$150	\$750	\$100	\$500	\$153	\$765	\$155	\$775
U-10	Flowable Fill	CY	10	\$222	\$2,220.00	\$50	\$500	\$175	\$1,750.00	\$204	\$2,040.00	\$205	\$2,050.00
U-11	Dewatering Pumping as Directed	HR	20	\$72	\$1,440.00	\$65	\$1,300.00	\$100	\$2,000.00	\$66	\$1,320.00	\$67	\$1,340.00
U-12	Flag Person	MHR	2800	\$67	\$187,600.00	\$68	\$190,400.00	\$55	\$154,000.00	\$69	\$193,200.00	\$85	\$238,000.00
U-13	Off Duty Uniformed Officer	MHR	128	\$95	\$12,160.00	\$57	\$7,296.00	\$50	\$6,400.00	\$59	\$7,552.00	\$57	\$7,296.00
U-14	Miscellaneous Work Time for a Full Crew	CHR	20	\$1,137.00	\$22,740.00	\$250	\$5,000.00	\$750	\$15,000.00	\$640	\$12,800.00	\$650	\$13,000.00
U-15	Miscellaneous Premium Work for Full Time Crew	CHR	10	\$1,468.00	\$14,680.00	\$250	\$2,500.00	\$375	\$3,750.00	\$320	\$3,200.00	\$325	\$3,250.00
U-17	Master Plumber Time	MHR	8	\$72	\$576	\$65	\$520	\$85	\$680	\$66	\$528	\$65	\$520
U-18	Journeyman Plumber Time	MHR	8	\$72	\$576	\$65	\$520	\$90	\$720	\$66	\$528	\$65	\$520
U-501	Erosion and Sediment Control	LS	1	\$3,333.00	\$3,333.00	\$3,100.00	\$3,100.00	\$5,000.00	\$5,000.00	\$3,046.00	\$3,046.00	\$5,000.00	\$5,000.00
S-1	8" PVC SDR 26 Sewer Pipe	LF	10	\$72	\$720	\$68	\$680	\$110	\$1,100.00	\$66	\$660	\$67	\$670
S-3	12" PVC SDR 26 Sewer Pipe	LF	10	\$72	\$720	\$68	\$680	\$110	\$1,100.00	\$66	\$660	\$67	\$670
S-4	15" PVC SDR 26 Sewer Pipe	LF	70	\$161	\$11,270.00	\$150	\$10,500.00	\$130	\$9,100.00	\$148	\$10,360.00	\$150	\$10,500.00
S-5	18" PVC SDR 26 Sewer Pipe	LF	10	\$139	\$1,390.00	\$130	\$1,300.00	\$145	\$1,450.00	\$127	\$1,270.00	\$129	\$1,290.00
S-10	24" RCP Class IV Sewer Pipe	LF	30	\$139	\$4,170.00	\$130	\$3,900.00	\$200	\$6,000.00	\$127	\$3,810.00	\$129	\$3,870.00
S-12	36" RCP Class IV Sewer Pipe	LF	10	\$139	\$1,390.00	\$130	\$1,300.00	\$275	\$2,750.00	\$127	\$1,270.00	\$129	\$1,290.00
S-34	Sewer Laterals (4" to 10" PVC)	LF	50	\$56	\$2,800.00	\$50	\$2,500.00	\$100	\$5,000.00	\$51	\$2,550.00	\$52	\$2,600.00
S-35	Trench Excavation 0'-15' Depth	CY	660	\$205	\$135,300.00	\$180	\$118,800.00	\$110	\$72,600.00	\$188	\$124,080.00	\$185	\$122,100.00
S-36	Additional Trench Excavation (Greater than 15' Depth)	CY	80	\$211	\$16,880.00	\$188	\$15,040.00	\$135	\$10,800.00	\$193	\$15,440.00	\$190	\$15,200.00
S-37	Aggregate Trench Backfill Above Pipe Zone	CY	530	\$75	\$39,750.00	\$68	\$36,040.00	\$65	\$34,450.00	\$70	\$37,100.00	\$70	\$37,100.00
S-38	Earthen Backfill Above Pipe Zone	CY	60	\$33	\$1,980.00	\$31	\$1,860.00	\$50	\$3,000.00	\$31	\$1,860.00	\$32	\$1,920.00
S-39	Additional PVC Fittings - 10" and smaller	EA	5	\$139	\$695	\$130	\$650	\$500	\$2,500.00	\$127	\$635	\$135	\$675
S-40	Additional PVC Fittings - Larger than 10"	EA	10	\$278	\$2,780.00	\$260	\$2,600.00	\$1,300.00	\$13,000.00	\$254	\$2,540.00	\$265	\$2,650.00
S-42	Wye/Tee Installation on New Sewer Main, Up To 15" (Including Laterals)	EA	25	\$889	\$22,225.00	\$830	\$20,750.00	\$700	\$17,500.00	\$813	\$20,325.00	\$840	\$21,000.00
S-43	Wye/Tee Installation on New Sewer Main, 15" and Larger	EA	5	\$2,083.00	\$10,415.00	\$1,900.00	\$9,500.00	\$1,500.00	\$7,500.00	\$1,904.00	\$9,520.00	\$1,970.00	\$9,850.00
S-48	Sewer Lateral Reinstatement	EA	1430	\$100	\$143,000.00	\$50	\$71,500.00	\$70	\$100,100.00	\$26	\$37,180.00	\$20	\$28,600.00
S-48A	Removal of Shipping Braces from Existing Wye Connection	EA	10	\$600	\$6,000.00	\$300	\$3,000.00	\$250	\$2,500.00	\$102	\$1,020.00	\$250	\$2,500.00
S-49	48" Pre-Cast Manhole (0' to 15' Depth)	EA	15	\$10,000.00	\$150,000.00	\$9,100.00	\$136,500.00	\$8,800.00	\$132,000.00	\$9,140.00	\$137,100.00	\$9,135.00	\$137,025.00
S-50	60" Pre-Cast Manhole (0' to 15' Depth)	EA	2	\$11,667.00	\$23,334.00	\$10,500.00	\$21,000.00	\$10,000.00	\$20,000.00	\$10,660.00	\$21,320.00	\$10,500.00	\$21,000.00
S-51	72" Pre-Cast Manhole (0' to 15' Depth)	EA	1	\$20,555.00	\$20,555.00	\$19,400.00	\$19,400.00	\$16,000.00	\$16,000.00	\$18,782.00	\$18,782.00	\$19,425.00	\$19,425.00
S-52	48" Pre-Cast Manhole (Over 15' Depth)	VF	20	\$111	\$2,220.00	\$105	\$2,100.00	\$275	\$5,500.00	\$102	\$2,040.00	\$105	\$2,100.00
S-53	60" Pre-Cast Manhole (Over 15' Depth)	VF	10	\$222	\$2,220.00	\$210	\$2,100.00	\$275	\$2,750.00	\$204	\$2,040.00	\$210	\$2,100.00
S-54	72" Pre-Cast Manhole (Over 15' Depth)	VF	2	\$556	\$1,112.00	\$525	\$1,050.00	\$275	\$550	\$508	\$1,016.00	\$515	\$1,030.00
S-55	Manhole Tie-in/Connection	EA	5	\$444	\$2,220.00	\$420	\$2,100.00	\$400	\$2,000.00	\$407	\$2,035.00	\$415	\$2,075.00
S-56	Vertical Drop Connection (Internal Drop Manhole)	VF	20	\$139	\$2,780.00	\$130	\$2,600.00	\$500	\$10,000.00	\$127	\$2,540.00	\$130	\$2,600.00
S-62	Invert Structural Repair	CY	5	\$500	\$2,500.00	\$250	\$1,250.00	\$500	\$2,500.00	\$457	\$2,285.00	\$460	\$2,300.00
S-71	Rigid Concrete Bulkhead (15" to 24")	EA	1	\$111	\$111	\$105	\$105	\$500	\$500	\$102	\$102	\$105	\$105
S-72	Flexible Bulkhead (All Sizes)	EA	1	\$111	\$111	\$105	\$105	\$300	\$300	\$102	\$102	\$105	\$105
S-81	8" Diameter Full Lining	LF	1440	\$40	\$57,600.00	\$27	\$38,880.00	\$35	\$50,400.00	\$42	\$60,480.00	\$38	\$54,720.00
S-83	12" Diameter Full Lining	LF	1450	\$56	\$81,200.00	\$41.50	\$60,175.00	\$40	\$58,000.00	\$61	\$88,450.00	\$67	\$97,150.00
S-84	15" Diameter Full Lining	LF	18750	\$86	\$1,612,500.00	\$45.50	\$853,125.00	\$54	\$1,012,500.00	\$62	\$1,162,500.00	\$80	\$1,500,000.00
S-85	18" Diameter Full Lining	LF	1540	\$103	\$158,620.00	\$67.50	\$103,950.00	\$90	\$138,600.00	\$75	\$115,500.00	\$85	\$130,900.00
S-86	20" Diameter Full Lining	LF	560	\$197	\$110,320.00	\$76	\$42,560.00	\$95	\$53,200.00	\$132	\$73,920.00	\$142	\$79,520.00
S-87	24" Diameter Full Lining	LF	2600	\$176	\$457,600.00	\$94	\$244,400.00	\$125	\$325,000.00	\$130	\$338,000.00	\$145	\$377,000.00
S-87B	36" Diameter Full Lining	LF	310	\$508	\$1,574,800.00	\$180	\$55,800.00	\$205	\$63,550.00	\$230	\$71,300.00	\$295	\$91,450.00
S-90	Heavy Sewer Cleaning	HR	200	\$600	\$120,000.00	\$365	\$73,000.00	\$275	\$55,000.00	\$381	\$76,200.00	\$365	\$73,000.00
S-90A	Mechanical Cleaning, As Directed	HR	40	\$600	\$24,000.00	\$275	\$11,000.00	\$100	\$4,000.00	\$381	\$15,240.00	\$365	\$14,600.00
S-91	Heavy Roots and Deposit Removal	HR	40	\$600	\$24,000.00	\$275	\$11,000.00	\$100	\$4,000.00	\$381	\$15,240.00	\$365	\$14,600.00
S-92	Grinding of Protruding Sewer Lateral Connection	EA	100	\$600	\$60,000.00	\$210	\$21,000.00	\$100	\$10,000.00	\$508	\$50,800.00	\$210	\$21,000.00
S-93	Vacuum Truck	HR	8	\$465	\$3,720.00	\$200	\$1,600.00	\$425	\$3,400.00	\$381	\$3,048.00	\$260	\$2,080.00
S-95	Push Camera for Internal TV Inspection	LF	100	\$27.75	\$2,775.00	\$30	\$3,000.00	\$5	\$500	\$26	\$2,600.00	\$27	\$2,700.00
S-97	Lateral Camera Inspection	LF	50	\$55	\$2,750.00	\$75	\$3,750.00	\$5	\$250	\$102	\$5,100.00	\$105	\$5,250.00
S-99	CCTV Inspection - 8" to 15" Diameter	LF	2540	\$2.59	\$6,578.60	\$3.60	\$9,144.00	\$5	\$12,700.00	\$2.60	\$6,604.00	\$3.75	\$9,525.00
S-100	CCTV Inspection - 16" to 24" Diameter	LF	150	\$2.65	\$397.50	\$4.50	\$675.00	\$5	\$750	\$3.60	\$540.00	\$5	\$750
S-101	CCTV Inspection - 25" to 36" Diameter	LF	50	\$3	\$150	\$5.75	\$287.50	\$7	\$350	\$4.60	\$230.00	\$8	\$400
S-102	CCTV Inspection - Larger than 36" Diameter	LF	50	\$3.70	\$185.00	\$9	\$450	\$12	\$600	\$6.10	\$305.00	\$15	\$750
S-117	Non-Structural Grouting for Pipe Joints	GAL	15	\$100	\$1,500.00	\$16	\$240	\$100	\$1,500.00	\$242	\$3,630.00	\$150	\$2,250.00
S-118	20" PVC DR 25 Sewer Pipe	LF	100	\$928	\$92,800.00	\$785	\$78,500.00	\$150	\$15,000.00	\$813	\$81,300.00	\$788	\$78,800.00
R-1	Concrete Paving Base (All Classes)	CY	210	\$472	\$99,120.00	\$415	\$87,150.00	\$450	\$94,500.00	\$432	\$90,720.00	\$412	\$86,520.00
R-2	Reinforced Concrete Street and Driveways	CY	70	\$444	\$31,080.00	\$415	\$29,050.00	\$325	\$22,750.00	\$407	\$28,490.00	\$412	\$28,840.00
R-3	Concrete Sidewalk and ADA Handicapped Ramp	SY	170	\$211	\$35,870.00	\$195	\$33,150.00	\$100	\$17,000.00	\$193	\$32,810.00	\$196	\$33,320.00
R-4	Concrete Deep Curb and Deep Radius Curb	LF	310	\$89	\$27,590.00	\$84	\$26,040.00	\$60	\$18,600.00	\$82	\$25,420.00	\$83	\$25,730.00
R-6	12" x 6" Wedge Curb (Hand Placed)	LF	820	\$11	\$9,020.00	\$10.50	\$8,610.00	\$5	\$4,100.00	\$11	\$9,020.00	\$10.50	\$8,610.00
R-7	Cold Patch Bituminous Pavement Replacement	TON	160	\$139	\$22,240.00	\$130	\$20,800.00	\$100	\$16,000.00	\$127	\$20,320.00	\$129	\$20,640.00
R-8	Milling - Wearing Course	SY	3710	\$13	\$48,230.00	\$10.50	\$38,955.00	\$2	\$7,420.00	\$11	\$40,810.00	\$10.50	\$38,955.00
R-9	Milling - Binder Course - Primary Street	SY	2970	\$13	\$38,610.00	\$10.50	\$31,185.00	\$4	\$11,880.00	\$11	\$32,670.00	\$10.50	\$31,185.00
R-10	Milling - Binder Course - Secondary Street	SY	750	\$13	\$9,750.00	\$10.50	\$7,875.00	\$4	\$3,000.00	\$11	\$8,250.00	\$10.50	\$7,875.00
R-11	Bituminous Pavement Replacement - Wearing Course	TON	310	\$172	\$53,320.00	\$152	\$47,120.00	\$200	\$62,000.00	\$153	\$47,430.00	\$150	\$46,500.00
R-12	Bituminous Pavement Replacement - Binder Course - Primary Street	TON	550	\$172	\$94,600.00	\$146	\$80,300.00	\$200	\$110,000.00	\$153	\$84,150.00	\$145	\$79,750.00
R-13	Bituminous Pavement Replacement - Binder Course - Secondary Street	TON	120	\$172	\$20,640.00	\$146	\$17,520.00	\$200	\$24,000.00	\$153	\$18,360.00	\$145	\$17,400.00
R-15	Brick Street Repaving	SY	10	\$278	\$2,780.00	\$260	\$2,600.00	\$100	\$1,000.00	\$254	\$2,540.00	\$258	\$2,580.00
R-16	Brick Sidewalk (Re-Laid)	SY	10	\$161	\$1,610.00	\$150	\$1,500.00	\$55	\$550	\$148	\$1,480.00	\$150	\$1,500.00
R-17	Salvage and Deliver Blockstone and Brick	SY	50	\$13	\$650	\$12.50	\$625.00	\$25	\$1,250.00	\$13	\$650	\$12.50	\$625.00
R-19	Landscape Restoration	SY	2140	\$11	\$23,540.00	\$8.25	\$17,655.00	\$3	\$6,420.00	\$9	\$19,260.00	\$8.50	\$18,190.00
R-21	Crushed Stone Sub-Base	CY	560	\$67	\$37,520.00	\$63	\$35,280.00	\$45	\$25,200.00	\$61	\$34,160.00	\$62	\$34,720.00
R-25	4" Traffic Markings	LF	1000	\$10	\$10,000.00	\$9	\$9,000.00	\$3	\$3,000.00	\$10	\$10,000.00	\$9.50	\$9,500.00
R-28	Replace Manhole Casting with New Casting and/or Raise Casting up to 1-foot in Depth	EA	37	\$2,556.00	\$94,572.00	\$2,400.00	\$88,800.00	\$900	\$33,300.00	\$2,336.00	\$86,432.00	\$2,363.00	\$87,431.00
R-31	Raise Manhole to Grade, 48" Diameter, 1-4 ft. Depth	VF	40	\$1,111.00	\$44,440.00	\$1,050.00	\$42,000.00	\$400	\$16,000.00	\$1,016.00	\$40,640.		