

				Insituform Technologies		Jet Jack	
<b>Project No.: 2020-424-106-1</b>							
<b>Project Name: 2021 Small Diameter Sewer Rehabilitation Contract 2</b>				\$2,685,973.74		\$2,876,154.20	
Items	Description	UOM	Est Qty	Unit Price	Extended Cost	Unit Price	Extended Cost
U-1	Mobilization / Demobilization, Permits, Bonds and Insurance, Maintenance and Protection of Traffic	LS	1	\$90,000.00	\$90,000.00	\$50,000.00	\$50,000.00
U-4	Rock and Obstruction Excavation, All Depths	CY	20	\$26	\$520	\$5	\$100
U-5	Exploratory Excavation and Backfill	CY	30	\$148	\$4,440.00	\$150	\$4,500.00
U-6	Hand Digging and Tunneling	MHR	25	\$60	\$1,500.00	\$50	\$1,250.00
U-7	Additonal Bedding Material as Directed	CY	50	\$63	\$3,150.00	\$55	\$2,750.00
U-10	Flowable Fill	CY	50	\$50	\$2,500.00	\$150	\$7,500.00
U-11	Dewatering Pumping as Directed	HR	200	\$16	\$3,200.00	\$60	\$12,000.00
U-12	Flag Person	MHR	2092	\$55	\$115,060.00	\$60	\$125,520.00
U-13	Off Duty Uniformed Officer (same as Flag)	MHR	1042	\$32	\$33,344.00	\$50	\$52,100.00
U-14	Miscellaneous Work Time for a Full Crew	CHR	180	\$175	\$31,500.00	\$600	\$108,000.00
U-15	Miscellaneous Premium Work Time for a Full Crew	CHR	24	\$175	\$4,200.00	\$250	\$6,000.00
U-17	Master Plumber Time	MHR	40	\$40	\$1,600.00	\$65	\$2,600.00
U-18	Journeyman Plumber Time	MHR	40	\$40	\$1,600.00	\$65	\$2,600.00
U-501	Erosion and Sediment Control	LS	1	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
S-1	8" PVC SDR 26 Sewer Pipe	LF	20	\$64	\$1,280.00	\$70	\$1,400.00
S-2	10" PVC SDR 26 Sewer Pipe	LF	15	\$64	\$960	\$70	\$1,050.00
S-3	12" PVC SDR 26 Sewer Pipe	LF	20	\$75	\$1,500.00	\$70	\$1,400.00
S-4	15" PVC SDR 26 Sewer Pipe	LF	151.8	\$150	\$22,770.00	\$130	\$19,734.00
S-5	18" PVC SDR 26 Sewer Pipe	LF	44	\$150	\$6,600.00	\$125	\$5,500.00
S-10	24" PVC SDR 26 Sewer Pipe	LF	10	\$160	\$1,600.00	\$130	\$1,300.00
S-34	Sewer Laterals (4" to 10" PVC)	LF	20	\$55	\$1,100.00	\$75	\$1,500.00
S-35	Trench Excavation 0' - 15' Depth	CY	990.08	\$170	\$168,313.60	\$170	\$168,313.60
S-36	Additional Trench Excavation (Greater than 15' Depth)	CY	50	\$190	\$9,500.00	\$150	\$7,500.00
S-37	Aggregate Trench Backfill Above Pipe Zone	CY	658.56	\$64	\$42,147.84	\$50	\$32,928.00
S-38	Earthen Backfill Above Pipe Zone	CY	106.4	\$32	\$3,404.80	\$25	\$2,660.00
S-39	Additional PVC Fittings - 10" and smaller	EA	4	\$135	\$540	\$130	\$520
S-40	Additional PVC Fittings - Larger than 10"	EA	47	\$265	\$12,455.00	\$300	\$14,100.00
S-42	Wye Installation New Sewer Main, < 15" (And Laterals)	EA	13	\$850	\$11,050.00	\$700	\$9,100.00
S-43	Wye Installation New Sewer Main, > 15" (And Laterals)	EA	2	\$2,000.00	\$4,000.00	\$1,500.00	\$3,000.00
S-48	Sewer Lateral Reinstatement	EA	980	\$53	\$51,940.00	\$50	\$49,000.00
S-49	48" Pre-Cast Manhole (0' to 15' Depth)	EA	16	\$8,800.00	\$140,800.00	\$8,500.00	\$136,000.00
S-50	60" Pre-Cast Manhole (0' to 15' Depth)	EA	1	\$10,000.00	\$10,000.00	\$11,500.00	\$11,500.00

S-52	48" Pre-Cast Manhole (Over 15' Depth)	VF	30	\$105	\$3,150.00	\$170	\$5,100.00
S-53	60" Pre-Cast Manhole (Over 15' Depth)	VF	15	\$105	\$1,575.00	\$170	\$2,550.00
S-55	Manhole Tie-in Connections	EA	34	\$530	\$18,020.00	\$100	\$3,400.00
S-66	Catch Basin, Type I Modified	EA	1	\$9,000.00	\$9,000.00	\$1,000.00	\$1,000.00
S-69	Catch Basin,/Inlet Tie-in	EA	2	\$105	\$210	\$1,000.00	\$2,000.00
S-81	8" Diameter Full Lining	LF	247	\$80.50	\$19,883.50	\$40	\$9,880.00
S-82	10" Diameter Full Lining	LF	769	\$28	\$21,532.00	\$35	\$26,915.00
S-83	12" Diameter Full Lining	LF	2373	\$34.50	\$81,868.50	\$48	\$113,904.00
S-84	15" Diameter Full Lining	LF	16580	\$50	\$829,000.00	\$57	\$945,060.00
S-85	18" Diameter Full Lining	LF	3174	\$61.50	\$195,201.00	\$68	\$215,832.00
S-86	20" Diameter Full Lining	LF	283	\$84	\$23,772.00	\$80	\$22,640.00
S-87	21" Diameter Full Lining	LF	567	\$70	\$39,690.00	\$105	\$59,535.00
S-88	24" Diameter Full Lining	LF	2806	\$106	\$297,436.00	\$115	\$322,690.00
S-90	Heavy Sewer Cleaning	HR	362.88	\$100	\$36,288.00	\$200	\$72,576.00
S-90A	Mechanical Cleaning, as Directed	HR	24	\$75	\$1,800.00	\$25	\$600
S-91	Heavy Roots and Deposit Removal	HR	208.32	\$75	\$15,624.00	\$5	\$1,041.60
S-92	Grinding of Protruding Sewer Lateral Connection	EA	80	\$200	\$16,000.00	\$150	\$12,000.00
S-93	Vacuum Truck	HR	80	\$175	\$14,000.00	\$275	\$22,000.00
S-99	CCTV Inspection - 8" to 15" Diameter	LF	4000	\$4	\$16,000.00	\$3	\$12,000.00
S-100	CCTV Inspection - 16" to 24" Diameter	LF	320	\$6	\$1,920.00	\$4	\$1,280.00
R-1	Concrete Paving Base	CY	79	\$425	\$33,575.00	\$450	\$35,550.00
R-2	Reinforced Concrete Driveway and Road	CY	5	\$425	\$2,125.00	\$400	\$2,000.00
R-3	Concrete Sidewalk and ADA Handicapped Ramp	SY	130	\$200	\$26,000.00	\$200	\$26,000.00
R-4	Concrete Deep Curb and Deep Radius Curb	LF	101	\$85	\$8,585.00	\$70	\$7,070.00
R-7	Cold Patch Bituminous Pavement Replacement	TON	30	\$125	\$3,750.00	\$120	\$3,600.00
R-8	Milling Wearing Course	SY	2275	\$7.40	\$16,835.00	\$5	\$11,375.00
R-9	Milling - Binder Course - Primary Street	SY	1594	\$7.40	\$11,795.60	\$5	\$7,970.00
R-10	Milling - Binder Course - Secondary Street	SY	691	\$7.40	\$5,113.40	\$5	\$3,455.00
R-11	Bituminous Pavement - Wearing Course	TON	21	\$225	\$4,725.00	\$150	\$3,150.00
R-12	Bituminous Pavement - Binder Course - Primary Street	TON	11	\$225	\$2,475.00	\$150	\$1,650.00
R-13	Bituminous Pavement Replacement - Binder Course - Secondary Street	TON	22	\$225	\$4,950.00	\$150	\$3,300.00
R-15	Brick Street Repaving	SY	100	\$290	\$29,000.00	\$75	\$7,500.00
R-18	Hydroseeding	SY	1808	\$10.50	\$18,984.00	\$5	\$9,040.00
R-19	Landscape Restoration	SY	69	\$8.50	\$586.50	\$5	\$345
R-20	Clearing & Grubbing	SY	188	\$26.50	\$4,982.00	\$5	\$940
R-21	Crushed Stone Sub-Base	CY	73	\$64	\$4,672.00	\$60	\$4,380.00
R-25	4" Traffic Markings - (LF)	LF	1000	\$9.50	\$9,500.00	\$2	\$2,000.00
R-28	Replace Manhole Casting with New Casting and/or Raise Casting up to 1-foot in Depth	EA	11	\$2,400.00	\$26,400.00	\$2,200.00	\$24,200.00

R-31	Raise Manhole to Grade, 48" Diameter, 1-4 ft. Depth - (VF)	VF	16	\$1,050.00	\$16,800.00	\$750	\$12,000.00
R-34	Raise Manhole to Grade, 48" Diameter, < 4 ft. Depth - (VF)	VF	16	\$1,300.00	\$20,800.00	\$500	\$8,000.00
R-38	Dry Stone / Block Wall Replacement	SY	10	\$75	\$750	\$50	\$500
R-43	Tree and Stump Removal	EA	1	\$525	\$525	\$500	\$500
R-44	Tree Removal & Replace	EA	10	\$500	\$5,000.00	\$500	\$5,000.00
R-46	Remove and Reset Fence and Guide Rail	LF	20	\$25	\$500	\$10	\$200