Project Name: McKinley Avenue Sewer Rehabilitation Project Number: 2017-22				Engineer's Estimate City Engineering Division		SAK Construction 864 Hoff Rd. O'Fallon, MO 63366 PH: 636.385.1034 FAX: 636.385.1100 bidcipp@sakcon.com		Insituform Technologies USA, LLC 17988 Edison Avenue Chesterfield, MO 63005 PH: 314.409.5069 FAX: 636.898.5094 gpatton@aegion.com		Lanzo Trenchless Technologies 28137 Groesbeck Highway Roseville, MI 48066 PH: 954.979.0802 FAX: 954.979.9897 estimating@lanzo.org		Michels Corporation 814 W. Main St. Brownsville, WI 53006 PH: 503.364.1199 FAX: 503.391.8317 dphelps@michels.us		Spiniello Companies 354 Eisenhower Pkwy Livingston, NJ 07039		IPR Great Lakes, LLC 4086 Michigan Avenue Detroit, MI 48210	
Bid Date: 8/20/19														73.808.8383 973.251.9712	PH: 678.607.2161 ex. 90363		
Time: 10:30 a.m.														estimating@spinielloco.com		Bjacobson@teamipr.com	
Fund:					Theresa Messer		Greg Patton		James Tilli		David Phelps		Marlena Lawrence		Brandi Jacobson		
Organization Code:																	
Object Code:  Item Pay Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	
Number   1 MOBILIZATION		LSUM	\$270,000.00	\$270,000.00	\$69,300.00	\$69,300.00		\$310,000.00	\$480,000.00	\$480,000.00		\$342,500.00		\$244,000.00	\$175,000.00	\$175,000.00	
2 SEWER CLEANING, 60" AND OVER	6,657		\$30.47					\$166,425.00	\$40.00	\$266,280.00 \$52,074.00	\$15.00 \$12.00	\$99,855.00 \$18,936.00	\$58.00 \$45.00	\$386,106.00 \$71,010.00	\$19.00 \$15.00	\$126,483.00 \$23,670.00	
3 SEWER CLEANING, 48" TO LESS THAN 60" 4 SEWER CLEANING, LESS THAN 48"	1,578	FEET FEET	\$27.32 \$27.32					\$36,294.00 \$83,028.00	\$33.00 \$31.00	\$116,994.00	\$12.00	\$41,514.00	\$26.00	\$98,124.00	\$13.00	\$52,836.00	
5 CURED-IN-PLACE PIPELINER, 72"	3,180			\$1,949,340.00			<u> </u>	\$1,717,200.00	\$580.00	\$1,844,400.00		\$1,860,300.00	\$540.00	\$1,717,200.00	\$531.00	\$1,688,580.00	
6 CURED-IN-PLACE PIPELINER, 69"	417	FEET	\$551.00		\$445.00		\$465.00	\$193,905.00	\$660.00	\$275,220.00	\$670.00	\$279,390.00	\$470.00	\$195,990.00	\$567.00	\$236,439.00	
7 CURED-IN-PLACE PIPELINER, 68"	454		\$543.00				\$365.00 \$373.00	\$165,710.00 \$972,038.00	\$635.00 \$410.00	\$288,290.00 \$1.068.460.00	\$715.00 \$419.00	\$324,610.00 \$1,091,914.00	\$470.00 \$470.00	\$213,380.00 \$1,224,820.00	\$548.00 \$527.00	\$248,792.00 \$1,373,362.00	
8 CURED-IN-PLACE PIPELINER, 60" 9 CURED-IN-PLACE PIPELINER, 57"	2,606	FEET FEET	\$479.00 \$450.00	\$1,248,274.00 \$124,200.00			\$373.00	\$85,560.00	\$630.00	\$173,880.00	\$390.00	\$107,640.00	\$350.00	\$96,600.00	\$476.00	\$131,376.00	
10 CURED-IN-PLACE PIPELINER, 54"	914		\$392.00	<del>+</del>				\$241,296.00	\$840.00	\$767,760.00	\$464.00	\$424,096.00	\$350.00	\$319,900.00	\$408.00	\$372,912.00	
11 CURED-IN-PLACE PIPELINER, 48"	388	FEET	\$292.00	<del></del>				\$83,420.00	\$435.00	\$168,780.00	\$225.00	\$87,300.00	\$260.00	\$100,880.00	\$350.00	\$135,800.00	
12 CURED-IN-PLACE PIPELINER, 42" 13 CURED-IN-PLACE PIPELINER, 40"	1,850	FEET FEET	\$253.00 \$250.00		·		\$180.00 \$185.00	\$333,000.00 \$179,820.00	\$345.00 \$350.00	\$638,250.00 \$340,200.00	\$230.00 \$118.00	\$425,500.00 \$114,696.00	\$230.00 \$220.00	\$425,500.00 \$213,840.00	\$338.00 \$305.00	\$625,300.00 \$296,460.00	
14 CURED-IN-PLACE PIPELINER, 40	814		\$250.00			<u> </u>	\$170.00	\$175,020.00	\$335.00	\$272,690.00	\$138.00	\$112,332.00	\$180.00	\$146,520.00	\$270.00	\$219,780.00	
15 CURED-IN-PLACE PIPELINER, 34"	138	FEET	\$250.00		\$219.00	\$30,222.00	\$225.00	\$31,050.00	\$740.00	\$102,120.00	\$215.00	\$29,670.00	\$120.00	\$16,560.00	\$308.00	\$42,504.00	
16 END SEAL, 72"	18	EACH	\$1,421.00				\$1,100.00	\$19,800.00	\$1,686.00	\$30,348.00	\$981.00	\$17,658.00		\$23,400.00	\$1,165.00 \$1,165.00	\$20,970.00 \$6,990.00	
17 END SEAL, 69" 18 END SEAL, 68"		EACH EACH	\$3,150.00 \$1,250.00	\$18,900.00 \$5,000.00		\$5,940.00 \$3,960.00	\$1,055.00 \$1,055.00	\$6,330.00 \$4,220.00	\$1,633.00 \$1,633.00	\$9,798.00 \$6,532.00	\$942.00 \$929.00	\$5,652.00 \$3,716.00		\$7,800.00 \$4,800.00	\$1,165.00	\$4,660.00	
19 END SEAL, 60"	18	EACH	\$1,230.00	\$21,906.00		\$14,850.00	\$920.00	\$16,560.00	\$1,484.00	\$26,712.00	\$819.00	\$14,742.00	\$1,100.00	\$19,800.00	\$975.00	\$17,550.00	
20 END SEAL, 57"	2	EACH	\$1,117.00	\$2,234.00	\$825.00	\$1,650.00	\$820.00	\$1,640.00	\$1,633.00	\$3,266.00	\$819.00	\$1,638.00		\$2,200.00	\$975.00	\$1,950.00	
21 END SEAL, 54"	6	EACH	\$1,072.00				\$525.00	\$3,150.00	\$1,372.00	\$8,232.00 \$4,352.00	\$736.00 \$522.00	\$4,416.00 \$2,088.00	\$950.00 \$670.00	\$5,700.00 \$2,680.00	\$875.00 \$620.00	\$5,250.00 \$2,480.00	
22 END SEAL, 48" 23 END SEAL, 42"	15	EACH EACH	\$902.00 \$774.00	\$3,608.00 \$13,932.00			\$450.00 \$435.00	\$1,800.00 \$7,830.00	\$1,088.00 \$1,039.00	\$18,702.00	\$480.00	\$8,640.00	\$620.00	\$11,160.00	\$570.00	\$10,260.00	
24 END SEAL, 40"	1 6	EACH	\$758.00	\$4,548.00		\$2,880.00	\$435.00	\$2,610.00	\$1,039.00	\$6,234.00	\$480.00	\$2,880.00	\$620.00	\$3,720.00	\$570.00	\$3,420.00	
25 END SEAL, 36"	- 6	EACH	\$683.00	\$4,098.00			\$350.00	\$2,100.00	\$957.00	\$5,742.00	\$412.00	\$2,472.00	\$530.00	\$3,180.00	\$490.00	\$2,940.00	
26 END SEAL, 34"	2	EACH	\$668.00	\$1,336.00		<del> </del>	\$350.00	\$700.00	\$957.00 \$380.00	\$1,914.00 \$110,580.00	\$412.00 \$290.00	\$824.00 \$84,390.00	\$530.00 \$540.00	\$1,060.00 \$157,140.00	\$490.00 \$67.00	\$980.00 \$19,497.00	
27 LATERAL REINSTATEMENT 60 FIBER REINFORCED CALCIUM ALUMINATE	291	EACH	\$310.00	\$90,210.00	\$100.00	\$29,100.00	\$1.00	\$291.00	\$360.00	\$110,560.00	\$290.00	\$04,390.00	\$340.00	\$157,140.00	\$07.00	\$15,757.00	
SHOTCRETE, 1/2" (FLOOR & ROOF)	843	SQ FT	\$100.00	\$84,300.00	\$18.00	\$15,174.00	\$11.75	\$9,905.25	\$12.00	\$10,116.00	\$26.00	\$21,918.00	\$26.00	\$21,918.00	\$22.00	\$18,546.00	
29 SHOTCRETE, 1/2" (WALLS & BARREL) FIBER REINFORCED CALCIUM ALUMINATE	875	SQ FT	\$100.00	\$87,500.00	\$18.00	\$15,750.00	\$11.75	\$10,281.25	\$12.00	\$10,500.00	\$25.00	\$21,875.00	\$26.00	\$22,750.00	\$22.00	\$19,250.00	
30 SHOTCRETE, 2" (VERTICAL)  FIBER REINFORCED CALCIUM ALUMINATE	3,037		\$33.00	\$100,221.00	\$24.00	\$72,888.00	\$20.00	\$60,740.00	\$20.00	\$60,740.00	\$41.00	\$124,517.00	\$47.00	\$142,739.00	\$29.00	\$88,073.00	
SHOTCRETE, 2" (PIPE)	1,571	SQ FT	\$48.00	\$75,408.00	\$24.00	\$37,704.00		\$31,420.00	\$20.00	\$31,420.00	\$34.00	\$53,414.00	\$47.00	\$73,837.00	\$29.00	\$45,559.00	
32 CASTING AND LID REPLACEMENT	2	EACH	\$1,357.00	\$2,714.00			(	\$3,700.00	\$1,995.00	\$3,990.00	\$1,631.00	\$3,262.00		\$4,400.00	\$1,350.00	\$2,700.00	
33 CASTING AND LID REPLACEMENT (PAVEMENT) 34 TELEVISING, PRE-REHABILITATION	12,009	EACH FEET	\$2,500.00 \$3.30	\$75,000.00 \$39,629.70				\$87,000.00 \$72,054.00	\$2,900.00 \$2.00	\$87,000.00 \$24,018.00	\$2,790.00 \$9.00	\$83,700.00 \$108,081.00		\$108,000.00 \$48,036.00	\$1,985.00 \$4.00	\$59,550.00 \$48,036.00	
35 TELEVISING, POST-REHABILITATION	12,009		\$3.30	\$39,629.70			·	\$12,009.00	\$2.00	\$24,018.00	\$7.00	\$84,063.00			\$1.50	\$18,013.50	
36 MANHOLE 3-32	1	LSUM	\$2,000.00	\$2,000.00	\$146.00	\$146.00	\$2,000.00	\$2,000.00	\$3,873.00	\$3,873.00		\$4,781.00		\$460.00	\$2,725.00	\$2,725.00	
37 MANHOLE 3-34		LSUM	\$2,000.00	\$2,000.00			\$2,000.00	\$2,000.00	\$3,792.00	\$3,792.00 \$3,758.00	\$2,730.00 \$2,391.00	\$2,730.00 \$2,391.00	\$460.00 \$460.00	\$460.00 \$460.00	\$2,525.00 \$2,450.00	\$2,525.00 \$2,450.00	
38 MANHOLE 3-41 39 MANHOLE 3-51		LSUM LSUM	\$2,000.00 \$2,000.00	\$2,000.00 \$2,000.00			\$1,900.00 \$2,100.00	\$1,900.00 \$2,100.00	\$3,758.00 \$4,473.00	\$4,473.00	\$2,391.00	\$2,391.00		\$520.00	\$2,850.00	\$2,450.00	
40 MANHOLE 3-52		LSUM	\$2,000.00	\$2,000.00		<u> </u>	\$2,300.00	\$2,300.00	\$4,647.00	\$4,647.00	\$2,730.00	\$2,730.00	\$590.00	\$590.00	\$3,275.00	\$3,275.00	
41 MANHOLE 3-54	1	LSUM	\$2,000.00	\$2,000.00			\$2,400.00	\$2,400.00	\$4,705.00	\$4,705.00	\$2,187.00	\$2,187.00		\$660.00	\$3,355.00	\$3,355.00	
42 MANHOLE 3-55		LSUM	\$2,000.00	\$2,000.00				\$2,700.00	\$4,963.00 \$5,014.00	\$4,963.00 \$5,014.00	\$2,730.00 \$2,730.00	\$2,730.00 \$2,730.00		\$720.00 \$980.00	\$2,870.00 \$5,000.00	\$2,870.00 \$5,000.00	
43 MANHOLE 4-44 44 MANHOLE 4-46		LSUM	\$2,000.00 \$2,000.00	\$2,000.00 \$2,000.00			\$3,200.00 \$2,500.00	\$3,200.00 \$2,500.00	\$4,278.00	\$4,278.00	\$2,730.00	\$2,730.00			\$3,300.00	\$3,300.00	
45 MANHOLE 4-50	1	LSUM	\$2,000.00	\$2,000.00			()	\$3,100.00	\$4,528.00	\$4,528.00	\$4,781.00	\$4,781.00	\$920.00	\$920.00	\$3,845.00	\$3,845.00	
46 MANHOLE 4-51	1	LSUM	\$2,000.00	\$2,000.00			\$3,000.00	\$3,000.00	\$4,528.00	\$4,528.00	\$4,781.00	\$4,781.00			\$3,875.00	\$3,875.00	
47 MANHOLE 7-2		LSUM	\$2,000.00	\$2,000.00			\$2,600.00	\$2,600.00 \$2,900.00	\$4,318.00 \$4,581.00	\$4,318.00 \$4,581.00	\$3,996.00 \$2,187.00	\$3,996.00 \$2,187.00			\$3,385.00 \$4,000.00	\$3,385.00 \$4,000.00	
48 MANHOLE 7-3 49 MANHOLE 7-16		LSUM	\$2,000.00 \$2,000.00	\$2,000.00			\$2,900.00 \$2,200.00	\$2,900.00	\$4,212.00	\$4,212.00	\$2,187.00	\$2,107.00			\$3,155.00	\$3,155.00	
50 MANHOLE 7-13		LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$2,300.00	\$2,300.00	\$4,212.00	\$4,212.00	\$2,730.00	\$2,730.00	\$720.00	\$720.00	\$3,155.00	\$3,155.00	
51 MANHOLE 7-34	1	LSUM	\$2,000.00	\$2,000.00			\$3,400.00	\$3,400.00	\$5,275.00	\$5,275.00		\$2,768.00			\$5,500.00	\$5,500.00	
52 MANHOLE 7-38		LSUM	\$2,000.00	\$2,000.00				\$1,800.00 \$1,300.00	\$3,913.00 \$3,886.00	\$3,913.00 \$3,886.00	\$4,820.00 \$4,820.00	\$4,820.00 \$4,820.00			\$2,500.00 \$2,500.00	\$2,500.00 \$2,500.00	
53 MANHOLE 7-38A 54 STRUCTURE 7-38B		LSUM	\$2,000.00 \$10,000.00	\$2,000.00 \$10,000.00				\$1,300.00	\$3,792.00	\$3,792.00	\$7,447.00	\$7,447.00				\$5,685.00	
55 MANHOLE 7-43		LSUM	\$15,000.00	\$15,000.00	\$52,000.00		\$51,000.00	\$51,000.00	\$2,291.00	\$2,291.00	\$4,820.00	\$4,820.00	\$720.00	\$720.00	\$1,375.00	\$1,375.00	
56 MANHOLE 7-52		LSUM	\$2,000.00	\$2,000.00	\$81.00			\$1,600.00	\$3,081.00	\$3,081.00	\$2,768.00	\$2,768.00			\$1,900.00	\$1,900.00	
57 MANHOLE 7-53	1	LSUM	\$2,000.00	\$2,000.00				\$2,000.00 \$2,500.00	\$3,279.00 \$4,301.00	\$3,279.00 \$4,301.00	\$2,768.00 \$2,362.00	\$2,768.00 \$2,362.00	<u> </u>		\$2,800.00 \$3,355.00	\$2,800.00 \$3,355.00	
58 MANHOLE 7-61 59 MANHOLE 7-66	1	LSUM	\$2,000.00 \$2,000.00	\$2,000.00		······································	()	\$2,500.00	\$4,301.00	\$4,301.00 \$2,120.00	\$2,362.00	\$2,362.00	{}		\$1,000.00	\$1,000.00	
60 STRUCTURE 8-29		LSUM	\$5,000.00	\$5,000.00						\$8,746.00	<u> </u>	\$4,820.00	\$330.00		\$27,085.00	\$27,085.00	

Project Name: McKinley Avenue Sewer Rehabilitation Project Number: 2017-22  Bid Date: 8/20/19  Time: 10:30 a.m.  Fund:				Engineer's Estimate  City Engineering Division		SAK Construction 864 Hoff Rd. O'Fallon, MO 63366 PH: 636.385.1034 FAX: 636.385.1100 bidcipp@sakcon.com		Insituform Technologies USA, LLC 17988 Edison Avenue Chesterfield, MO 63005  PH: 314.409.5069 FAX: 636.898.5094 gpatton@aegion.com  Greg Patton		Lanzo Trenchless Technologies 28137 Groesbeck Highway Roseville, MI 48066  PH: 954.979.0802 FAX: 954.979.9897 estimating@lanzo.org  James Tilli		Michels Corporation 814 W. Main St. Brownsville, WI 53006  PH: 503.364.1199 FAX: 503.391.8317 dphelps@michels.us  David Phelps		Spiniello Companies 354 Eisenhower Pkwy Livingston, NJ 07039 PH: 973.808.8383 FAX: 973.251.9712 estimating@spinielloco.com Marlena Lawrence		IPR Great Lakes, LLC 4086 Michigan Avenue Detroit, MI 48210  PH: 678.607.2161 ex. 90363 Bjacobson@teamipr.com  Brandi Jacobson	
Organization Code: Object Code:																	
Item Number	Pay Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
61	MANHOLE 8-30	1	LSUM	\$5,000.00	\$5,000.00	\$81.00	\$81.00	\$1,900.00	\$1,900.00	\$2,768.00	\$2,768.00	\$2,768.00	\$2,768.00	\$390.00	\$390.00	\$2,350.00	\$2,350.00
62	STRUCTURE 8-31	1	LSUM	\$4,000.00	\$4,000.00	\$81.00	\$81.00	\$1,500.00	\$1,500.00	\$2,867,00	\$2,867.00	\$9,498.00	\$9,498.00	\$260.00	\$260.00	\$4,700.00	\$4,700.00
63	TRAFFIC CONTROL COMPLETE	1	LSUM	\$100,000.00	\$100,000.00	\$19,000.00	\$19,000.00	\$80,000.00	\$80,000.00	\$21,914.00	\$21,914.00	\$38,243.00	\$38,243.00	\$162,000.00	\$162,000.00	\$325,715.00	\$325,715.00
64	ALLOWANCE FOR RAILROAD EXPENSES	1	LSUM	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
65	MANHOLE 7-45	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$2,700.00	\$2,700.00	\$5,092.00	\$5,092.00	\$2,937.00	\$2,937.00	\$720.00	\$720.00	\$5,080.00	\$5,080.00
66	MANHOLE 7-47	1	LSUM	\$2,000.00	\$2,000.00	\$146.00	\$146.00	\$2,700.00	\$2,700.00	\$4,380.00	\$4,380.00	\$4,988.00	\$4,988.00	\$720.00	\$720.00	\$3,530.00	\$3,530.00
67	MANHOLE 7-48	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$2,500.00	\$2,500.00	\$3,372.00	\$3,372.00	\$4,988.00	\$4,988.00	\$660.00	\$660.00	\$3,015.00	\$3,015.00
68	MANHOLE 7-49	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$1,900.00	\$1,900.00	\$3,083.00	\$3,083.00	\$2,362.00	\$2,362.00	\$460.00	\$460.00	\$2,385.00	\$2,385.00
69	MANHOLE 4-39	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$1,900.00	\$1,900.00	\$3,072.00	\$3,072.00	\$2,768.00	\$2,768.00	\$460.00	\$460.00	\$2,355.00	\$2,355.00
70	MANHOLE 4-41	1	LSUM	\$2,000.00	\$2,000.00	\$146.00	\$146.00	\$1,700.00	\$1,700.00	\$3,030.00	\$3,030.00	\$5,395.00	\$5,395.00	\$390.00	\$390.00	\$2,265.00	\$2,265.00
71	MANHOLE 4-42	1	LSUM	\$2,000.00	\$2,000.00	\$66.00	\$66.00	\$1,800.00	\$1,800.00	\$3,135.00	\$3,135.00	\$4,717.00	\$4,717.00	\$390.00	\$390.00	\$2,500.00	\$2,500.00
72	MANHOLE 4-43	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$2,200.00	\$2,200.00	\$3,346.00	\$3,346.00	\$4,277.00	\$4,277.00	\$590.00	\$590.00	\$2,950.00	\$2,950.00
73	TEMPORARY BYPASS FACILITIES	1	LSUM	\$800,000.00	\$800,000.00	\$438,400.00	\$438,400.00	\$65,000.00	\$65,000.00	\$400,000.00		\$2,000,895.00			\$1,850,000.00	\$2,585,000.00	\$2,585,000.00
74	SPOT GROUTING	25	EACH	\$3,500.00	\$87,500.00	\$225.00	\$5,625.00	\$1,100.00	\$27,500.00	\$2,025.00	\$50,625.00	\$669.00	\$16,725.00	\$4,300.00	\$107,500.00	\$155.00	\$3,875.00
75	SPOT REPAIR	25	EACH	\$3,500.00	\$87,500.00	\$300.00	\$7,500.00	\$1,700.00	\$42,500.00	\$3,030.00	\$75,750.00	\$1,116.00	\$27,900.00	\$4,300.00		\$155.00	\$3,875.00
76	PIPE CONNECTION REPAIR, 12" AND LESS	10	EACH	\$2,500.00	\$25,000.00	\$325.00	\$3,250.00	\$1,100.00	\$11,000.00	\$4,262.00	\$42,620.00	\$1,674.00	\$16,740.00	\$1,200.00		\$99.00	\$990.00
77	PIPE CONNECTION REPAIR, OVER 12"	5	EACH	\$5,000.00	\$25,000.00	\$351.00	\$1,755.00	\$1,700.00	\$8,500.00	\$5,148.00	\$25,740.00	\$2,061.00	\$10,305.00	\$3,400.00	\$17,000.00	\$106.00	\$530.00
78	SPOT GROUTING, SPOT REPAIR AND PIPE CONNECTION REPAIR - GROUT COVERAGE	50	GAL	\$500.00	\$25,000.00	\$20.00	\$1,000.00	\$115.00	\$5,750.00	\$83.00	\$4,150.00	\$26.00	\$1,300.00	\$93.00	\$4,650.00	\$68.00	\$3,400.00
	TOTAL BIDS (AS CORRECTED) Percent Over Under ENGINEER'S ESTIMATE	160			\$7,798,976.83		\$5,222,777.00 -33.03%		\$5,467,516.50 -29.89%		\$8,111,122.00 4.00%		\$8,262,733.00 5.95%		\$8,485,255.00 62.47%		\$9,213,948.50 68.52%

Paul E. Caswell, P.E., City Engineer

Aug 20,2019
Date