

Group 3 CIPP Project - Pipe Bid Schedule

Pipe ID	Sheet	US MH [Approx. Depth (ft)]	DS MH [Approx. Depth (ft)]	Diameter (in.)	Material	Approx. Repair Length (ft)	Approx. Repair Depth (ft)	Approx. # of Taps	Repair Method	Notes
FS021303S	K2	FS021303 [5.9]	FS021302 [5.8]	12	Vitrified Clay Pipe	384.8	5.9	13	CIPP	Point Repair @ 170.9' US from 1302 for 10' for HVV, Point Repair @ 19.3' from 1303 for BSV
FS021319S	L2	FS021319 [4.4]	FS021318 [3.6]	10	Vitrified Clay Pipe	156.76	4	11	CIPP	
FS021334S	M2	FS021334 [Not Inspected]	FS021320 [8.4]	8	Vitrified Clay Pipe	174.43	8.4	6	CIPP	Point Repair @ 163.3' US from 1320 for 10' for Crossbore
FS021459S	N1	FS021459 [8.9]	FS021458 [Not Inspected]	36	Reinforced Concrete Pipe	349.9	8.9	2	CIPP	
FS021496S	O2	FS021496 [3.8]	FS021492 [9.4]	8	Concrete Pipe (non-reinforced)	131.5	6.6	0	CIPP	
FS021510.07S	P1	FS021510.07 [Not Inspected]	FS021510.02 [7.9]	15	Vitrified Clay Pipe	244.6	7.9	5	CIPP	Point Repair @ 127.9' DS from 1510.07 for 10' for FM
FS021510.08S	Q1	FS021510.08 [Not Inspected]	FS021510.03 [5.4]	15	Vitrified Clay Pipe	208.1	5.4	7	CIPP	Point Repair @ 125' US from 1510.03 for 10' for D
FS021531S	P2	FS021531 [12.1]	FS021529 [Not Inspected]	8	Polyvinyl Chloride	248.4	11.6	22	CIPP	
FS021549.01S	Q2	FS021549.01 [Not Inspected]	FS021549 [Not Inspected]	12	Vitrified Clay Pipe	263.1	9.2	5	CIPP	
FS021584S	Q4	FS021584 [8.9]	FS021586 [7.9]	8	Vitrified Clay Pipe	562.54	8.4	19	CIPP	
FS021642S	N5	FS021642 [10.3]	FS021229 [32]	8	Vitrified Clay Pipe	237.4	21.2	1	CIPP	
FS021654S	N6	FS021654 [15.8]	FS021653 [17.1]	8	Vitrified Clay Pipe	140.9	16.5	0	CIPP	
FS021663S	O6	FS021663 [7.5]	FS021662 [9.4]	8	Vitrified Clay Pipe	302.7	8.5	2	CIPP	
FS021674S	M6	FS021674 [9.3]	FS021673 [Not Inspected]	8	Vitrified Clay Pipe	496.7	9.3	23	CIPP	Tap Replacement @ 251' DS from 1674 for 10' for TFD
FS021678S	O7	FS021678 [7.2]	FS021233 [25.1]	8	Vitrified Clay Pipe	296.9	16.2	2	CIPP	Point Repair @ 267.5' DS from 1678 for 10' for OBP
FS021764S	Q5	FS021764 [8.4]	FS021763.01 [Not Inspected]	8	Vitrified Clay Pipe	250.3	7.4	6	CIPP	
FS021784.04S	Q6	FS021784.04 [3.3]	FS021784.03 [2.6]	8	Vitrified Clay Pipe	153.09	2.95	2	CIPP	
FS021823S	U6	FS021823 [7.3]	FS021810 [16.3]	8	Vitrified Clay Pipe	421.2	11.8	7	CIPP	
FS021847S	S4	FS021847 [12.9]	FS021846 [14.4]	12	Concrete Pipe (non-reinforced)	228.0	13.7	0	CIPP	
FS021907S	J1	FS021907 [8.7]	FS020100 [8.7]	24	Reinforced Concrete Pipe	470.8	8.7	0	CIPP	
FS021908S	J1	FS021908 [10.7]	FS021907 [8.7]	24	Reinforced Concrete Pipe	499.4	9.7	0	CIPP	
FS021910.01S	I1	FS021910.01 [Not Inspected]	FS021909 [Not Inspected]	24	Reinforced Concrete Pipe	236.3	10.5	0	CIPP	

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FS021911S	H2	FS021911 [17]	FS021910 [Not Inspected]	24	Reinforced Concrete Pipe	269.8	17.0	0	CIPP	
FS021913S	H2	FS021913 [Not Inspected]	FS021912 [Not Inspected]	24	Reinforced Concrete Pipe	342.6	17.0	0	CIPP	
FS021914.01S	G2	FS021914.01 [Not Inspected]	FS021913 [Not Inspected]	24	Reinforced Concrete Pipe	175.3	17.0	0	CIPP	
FS021914S	G2	FS021914 [Not Inspected]	FS021914.01 [Not Inspected]	24	Reinforced Concrete Pipe	346.4	10.1	0	CIPP	
FS022513S	H7	FS022513 [8.8]	FS022512 [5.9]	18	Vitrified Clay Pipe	351.1	7.4	6	CIPP	
FS022518.03S	G5	FS022518.03 [Not Inspected]	FS022518.02 [Not Inspected]	8	Vitrified Clay Pipe	397.4	6.4	16	CIPP	
FS022518.04S	G5	FS022518.04 [Not Inspected]	FS022518.03 [Not Inspected]	8	Cast Iron	401.11	4.05	9	CIPP	
FS022523S	H5	FS022523 [4.7]	FS022522 [4.5]	12	Vitrified Clay Pipe	268.7	4.6	4	CIPP	
FS022524.05S	G5	FS022524.05 [Dead End]	FS022524.04 [Not Inspected]	8	Vitrified Clay Pipe	665.3	3.0	19	CIPP	Tap Replacement @ 244.5' US from 2524.04 for 10' for TFD, Point Repair @ 440.1' US from 2524.02 for 10' for HVV
FS022526.01S	H4	FS022526.01 [Not Inspected]	FS022526 [4.6]	10	Vitrified Clay Pipe	417.0	4.6	13	CIPP	
FS022559S	K6	FS022559 [Dead End]	FS022558 [7.7]	8	Vitrified Clay Pipe	273.8	7.7	9	CIPP	Point Repair @ 27.1' US from 2558 for 10' for B
FS022561S	K6	FS022561 [9.2]	FS022560 [6.3]	8	Vitrified Clay Pipe	476.2	7.8	11	CIPP	
FS022573S	I6	FS022573 [8]	FS022572 [8.8]	8	Vitrified Clay Pipe	496.2	8.4	19	CIPP	
FS022575S	J6	FS022575 [5.1]	FS022574 [8]	8	Vitrified Clay Pipe	367	6.55	9	CIPP	
FS022585S	G6	FS022585 [8.2]	FS022581 [11.5]	8	Vitrified Clay Pipe	746.8	9.9	23	CIPP	
FS022589.03S	K5	FS022589.03 [Dead End]	FS022589.01 [7.6]	8	Vitrified Clay Pipe	360.5	7.6	16	CIPP	
FS022590S	K5	FS022590 [12.9]	FS022589.02 [11.2]	10	Vitrified Clay Pipe	428.0	12.1	15	CIPP	
FS022592.03S	L5	FS022592.03 [8.1]	FS022592.01 [8.2]	8	Vitrified Clay Pipe	281.3	8.15	9	CIPP	
FS022594S	J5	FS022594 [11.5]	FS022589 [8]	8	Vitrified Clay Pipe	452.3	9.8	10	CIPP	
FS022615.01S	L5	FS022615.01 [8.6]	FS022615 [7.3]	8	Vitrified Clay Pipe	545.3	8.0	20	CIPP	
FS022615S	L5	FS022615 [7.3]	FS022614 [7.4]	8	Vitrified Clay Pipe	168.1	7.35	3	CIPP	
FS022628S	K6	FS022628 [4.8]	FS022624 [11.1]	8	Vitrified Clay Pipe	424.6	7.95	14	CIPP	
FS022635S	K6	FS022635 [9.5]	FS022634 [10.1]	8	Concrete Pipe (non-reinforced)	289.2	9.8	1	CIPP	

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FS022639S	H5	FS022639 [10.7]	FS022521 [16.2]	8	Vitrified Clay Pipe	348.1	13.5	11	CIPP	
FS022648S	I5	FS022648 [5]	FS022645 [6]	8	Concrete Pipe (non-reinforced)	249.5	5.5	1	CIPP	
FS022649S	I4	FS022649 [7.9]	FS022648 [5]	8	Vitrified Clay Pipe	701.5	6.5	26	CIPP	
FS022651S	G4	FS022651 [4.6]	FS022524 [3.9]	8	Vitrified Clay Pipe	644.3	4.3	15	CIPP	
FS022652S	G5	FS022652 [Dead End]	FS022651 [4.6]	8	Vitrified Clay Pipe	300.5	4.6	12	CIPP	Tap Replacement @ 98' US from 2651 for 10' for TFD / JOM
FS022655S	H4	FS022655 [9.8]	FS022525 [4.5]	8	Vitrified Clay Pipe	455.3	7.15	14	CIPP	Point Repair @ 252.1' DS from 2655 for 10' for B
WS010118.16S	I7	WS010118.16 [5.2]	WS010118.15 [7.2]	8	Vitrified Clay Pipe	400.83	6.2	19	CIPP	
WS010236S	D7	WS010236 [8.5]	WS010235 [8.8]	8	Vitrified Clay Pipe	175.2	8.7	3	CIPP	
WS010336.01S	D7	WS010336.01 [6.5]	WS010336 [9.5]	8	Vitrified Clay Pipe	397.2	8	22	CIPP	
WS010338S	E7	WS010338 [Not Inspected]	WS010337 [10.6]	8	Vitrified Clay Pipe	392.9	10.6	10	CIPP	
WS010344S	B7	WS010344 [7.2]	WS010343 [8]	8	Vitrified Clay Pipe	496.11	7.6	36	CIPP	Point Repair @ 279.6' DS from 0344 for 10' for JOL
WS010519.02S-1	M9	WS010519.02 [6.7]	WS010519.01 [7.6]	8	Ductile Iron Pipe	53.0	7.2	0	CIPP	
WS010519.02S-2	M9	WS010519.02 [6.7]	WS010519.01 [7.6]	8	Vitrified Clay Pipe	55.6	7.2	0	CIPP	
WS010519.03S	N9	WS010519.03 [8.9]	WS010519 [9.8]	15	Vitrified Clay Pipe	363.1	9.4	2	CIPP	
WS010560S	N11	WS010560 [11.6]	WS010559 [7.8]	12	Vitrified Clay Pipe	201.9	9.7	1	CIPP	
WS010613S	N11	WS010613 [5.1]	WS010612 [4.8]	10	Vitrified Clay Pipe	379.2	5.0	3	CIPP	
WS010615S	N12	WS010615 [4.8]	WS010613 [5.1]	8	Vitrified Clay Pipe	297	4.95	9	CIPP	
WS010632S	L11	WS010632 [Dead End]	WS010631.01 [7.9]	8	Vitrified Clay Pipe	273.6	7.9	11	CIPP	184' from WS010631.01 for BSV
WS012007S	I15	WS012007 [16]	WS012006 [17.8]	15	Vitrified Clay Pipe	512.7	16.9	0	CIPP	
WS012068S	H16	WS012068 [6]	WS012067 [10.9]	8	Other	494.8	8.5	22	CIPP	
WS012069S	H16	WS012069 [6.8]	WS012068 [6]	8	Other	458.5	6.4	24	CIPP	
WS012073S	I17	WS012073 [6]	WS012072 [6.6]	8	Not Known	348	6.3	13	CIPP	
WS012093S	J16	WS012093 [Dead End]	WS012090 [8.1]	8	Vitrified Clay Pipe	277.6	8.1	20	CIPP	

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WS012117S	I17	WS012117 [6.3]	WS012116 [6.7]	8	Concrete Pipe (non-reinforced)	288.4	6.5	26	CIPP	
WS012155S	E16	WS012155 [5.8]	WS012154 [8]	8	Concrete Pipe (non-reinforced)	604.0	6.9	40	CIPP	
WS012161S	L17	WS012161 [10.4]	WS012077.03 [11.2]	8	Vitrified Clay Pipe	387.5	10.8	38	CIPP	
WS012236S	E15	WS012236 [7.9]	WS012235 [9.2]	8	Concrete Pipe (non-reinforced)	452.7	8.6	28	CIPP	Point Repair @ 48.4' DS from 2236 for 10' for JOM
WS012241S	K14	WS012241 [Not Inspected]	WS011252 [8.6]	8	Vitrified Clay Pipe	459.3	8.6	3	CIPP	
WS012260S	M15	WS012260 [9.1]	WS012259 [11]	10	Vitrified Clay Pipe	499.5	10.05	4	CIPP	
WS012261S	N15	WS012261 [9.1]	WS012260 [9.1]	10	Vitrified Clay Pipe	399.2	9.1	5	CIPP	
WS012318S	N15	WS012318 [9.9]	WS012261 [9.1]	10	Vitrified Clay Pipe	340.4	9.5	0	CIPP	
WS012366S	L14	WS012366 [9.3]	WS012365 [8.8]	8	Vitrified Clay Pipe	419.5	9.1	8	CIPP	
WS012828S	N12	WS012828 [6.7]	WS013177.01 [Not Inspected]	12	Vitrified Clay Pipe	194	6.6	5	CIPP	
WS012831S	N12	WS012831 [13.1]	WS012830 [10.8]	8	Vitrified Clay Pipe	402	11.95	16	CIPP	Point Repair @ 80' DS from 2831 for 10' for JOL, Tap Replacement @ 373.6' DS from 2831 for 10' for TFD
WS012863S	R10	WS012863 [10]	WS012862 [10.3]	15	Vitrified Clay Pipe	123.4	10.2	1	CIPP	
WS012864S	R10	WS012864 [12.8]	WS012863.01 [10.2]	15	Vitrified Clay Pipe	178.0	11.5	2	CIPP	
WS012929S	N10	WS012929 [11.5]	WS012804 [13.1]	8	Cast Iron	154.1	12.3	1	CIPP	
WS012940S	O11	WS012940 [7.4]	WS012811 [7.8]	8	Vitrified Clay Pipe	218.4	7.6	0	CIPP	
WS012949S	P12	WS012949 [9.4]	WS012948 [7]	10	Vitrified Clay Pipe	411.8	8.2	2	CIPP	Point Repair @ 0.6' DS from 2949 for 10' for XP
WS012952S	Q12	WS012952 [8.3]	WS012951.01 [8.8]	10	Vitrified Clay Pipe	182.6	8.6	0	CIPP	
WS012955S	R12	WS012955 [9.1]	WS012953 [7.3]	10	Vitrified Clay Pipe	178.5	8.2	2	CIPP	
WS012968S	S12	WS012968 [7.8]	WS012967 [16.5]	8	Vitrified Clay Pipe	405.1	12.15	2	CIPP	
WS012973S	Q9	WS012973 [6.5]	WS012972 [7.2]	8	Vitrified Clay Pipe	645.5	6.85	19	CIPP	
WS012988S	V11	WS012988 [9.2]	WS012881 [4.3]	8	Vitrified Clay Pipe	346.1	6.75	2	CIPP	
WS013006S	S11	WS013006 [16.4]	WS012967 [16.5]	8	Vitrified Clay Pipe	144.8	16.5	4	CIPP	

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WS013012.01S	R10	WS013012.01 [8]	WS013012 [8.8]	8	Vitrified Clay Pipe	97.1	8.4	4	CIPP	
WS013012S	R10	WS013012 [8.8]	WS013011 [8.7]	8	Vitrified Clay Pipe	308.4	8.75	11	CIPP	
WS013013.01S	R10	WS013013.01 [4.2]	WS013013 [7.8]	8	Vitrified Clay Pipe	332.5	6.0	3	CIPP	
WS013014S	R10	WS013014 [4]	WS013013.01 [4.2]	8	Vitrified Clay Pipe	21.5	4.1	0	CIPP	
WS013044S	P10	WS013044 [9.4]	WS013043 [5.7]	8	Vitrified Clay Pipe	510.0	7.6	13	CIPP	
WS013045S	P11	WS013045 [5.7]	WS013044 [9.4]	8	Vitrified Clay Pipe	573.5	7.6	12	CIPP	
WS013052.01S	L12	WS013052.01 [9.6]	WS013052 [9.7]	8	Vitrified Clay Pipe	482.3	9.65	14	CIPP	
WS013069S	O11	WS013069 [8.4]	WS012942 [5.8]	8	Vitrified Clay Pipe	396.5	7.1	1	CIPP	Point Repair @ 208.4' DS from 3069 for 10' for BSV
WS013081S	M13	WS013081 [2.7]	WS013080 [6.2]	8	Vitrified Clay Pipe	339.8	4.5	6	CIPP	
WS013084S	M13	WS013084 [8.7]	WS013080 [6.2]	8	Vitrified Clay Pipe	536.6	7.45	15	CIPP	
WS013095S	N10	WS013095 [11]	WS012804 [13.1]	8	Vitrified Clay Pipe	82.5	12.1	0	CIPP	
WS013131S	S10	WS013131 [7.8]	WS013013 [7.8]	8	Vitrified Clay Pipe	411.4	7.8	14	CIPP	
WS013602S	R8	WS013602 [10.4]	WS013601 [14]	21	Vitrified Clay Pipe	311.0	12.2	3	CIPP	
WS013604S	R8	WS013604 [8.8]	WS013603 [11.4]	21	Vitrified Clay Pipe	760.6	10.1	4	CIPP	
WS013605S	S8	WS013605 [9.6]	WS013604 [8.8]	21	Vitrified Clay Pipe	85.0	9.2	0	CIPP	
WS013609.01S	T8	WS013609.01 [8.5]	WS013609 [9.6]	18	Vitrified Clay Pipe	217.6	9.1	7	CIPP	
WS013612S	T8	WS013612 [14.8]	WS013611 [9.3]	15	Vitrified Clay Pipe	469.0	12.1	14	CIPP	
WS013622S	W9	WS013622 [16.9]	WS013621 [20.2]	15	Polyvinyl Chloride	393.0	18.6	13	CIPP	
WS013634.01S	X11	WS013634.01 [6.3]	WS013634 [9.3]	8	Vitrified Clay Pipe	326.0	7.8	11	CIPP	Point Repair @ 9.2' DS from 3634.01 for 10' for HSV
WS013650S	U7	WS013650 [10.6]	WS013649 [9.7]	12	Vitrified Clay Pipe	236.0	10.2	6	CIPP	
WS013666S	R7	WS013666 [12.4]	WS013665 [9.8]	10	Vitrified Clay Pipe	327.0	11.1	4	CIPP	
WS013667S	R7	WS013667 [8.3]	WS013666 [12.4]	10	Vitrified Clay Pipe	349.0	10.4	12	CIPP	
WS013668S	R7	WS013668 [10.9]	WS013667 [8.3]	8	Vitrified Clay Pipe	516.0	9.6	3	CIPP	
WS013676S	S7	WS013676 [9.2]	WS013675 [8.1]	8	Vitrified Clay Pipe	767.5	8.7	10	CIPP	

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WS013686S	AA10	WS013686 [5.4]	WS013685 [4.1]	10	Vitrified Clay Pipe	452.0	4.8	12	CIPP	
WS013688S	AB10	WS013688 [10]	WS013687 [5.1]	10	Vitrified Clay Pipe	554.6	7.6	11	CIPP	
WS013704S	S8	WS013704 [5.8]	WS013703 [9.5]	8	Vitrified Clay Pipe	342	7.65	14	CIPP	
WS013719S	W9	WS013719 [7.1]	WS013718 [9.4]	8	Vitrified Clay Pipe	376.0	8.3	10	CIPP	
WS013720S	V10	WS013720 [7.8]	WS013719 [7.1]	8	Vitrified Clay Pipe	650	7.45	10	CIPP	
WS013725S	S8	WS013725 [7]	WS013604 [8.8]	8	Vitrified Clay Pipe	106.1	7.9	1	CIPP	
WS013742S	U8	WS013742 [Not Inspected]	WS013741.01 [Not Inspected]	8	Vitrified Clay Pipe	413	11.3	14	CIPP	Point Repair @ 357' US from 3741.01 for 10' for B
WS013746.05S	T9	WS013746.05 [13.6]	WS013746 [7.8]	8	Vitrified Clay Pipe	640.4	10.7	12	CIPP	Point Repair @ 176.3' DS from 3746.05 for 10' for BVV
WS013778S	AA8	WS013778 [9.7]	WS013776 [7.4]	12	Vitrified Clay Pipe	342.0	8.6	0	CIPP	
WS013805S	AA7	WS013805 [10]	WS013783 [13.9]	8	Vitrified Clay Pipe	573.0	12.0	19	CIPP	Point Repair @ 278.9' DS from 3805 for 10' for B, Point Repair @ 369.3' DS from 3805 for 10' for BVV, Point Repair @ 460.9' DS from 3805 for 10' for FM
WS013815S	S8	WS013815 [9.5]	WS013604 [8.8]	21	Concrete Pipe (non-reinforced)	138.1	9.2	1	CIPP	
WS013822S	V8	WS013822 [7.5]	WS013739 [7.9]	8	Vitrified Clay Pipe	293.4	7.7	15	CIPP	Point Repair @ 190.9' DS from 3822 for 10' for B
WS013833S	S9	WS013833 [9.9]	WS013744 [8.2]	8	Vitrified Clay Pipe	715.6	9.1	23	CIPP	90.1' from WS013833 for HSV
WS013873S	Y10	WS013873 [10.4]	WS013629.03 [13.8]	8	Vitrified Clay Pipe	241.1	12.1	7	CIPP	
WS013874S	Z10	WS013874 [11.9]	WS013873 [10.4]	8	Vitrified Clay Pipe	335	11.15	11	CIPP	Tap Replacement @ 22' US from 3873 for 10' for TFD/JSL
WS013888S	AB10	WS013888 [5.3]	WS013687 [5.1]	8	Polyvinyl Chloride	792.01	5.2	8	CIPP	Point Repair @ 364' US from 3687 for 10' for HSV
WS013955S	Z7	WS013955 [10]	WS013782 [8.9]	8	Vitrified Clay Pipe	549.3	9.5	18	CIPP	
WS013956S	Z7	WS013956 [Dead End]	WS013955.01 [6.6]	8	Vitrified Clay Pipe	268.0	6.6	9	CIPP	
WS013965S	AB10	WS013965 [7.2]	WS013687 [5.1]	8	Vitrified Clay Pipe	375.5	6.2	1	CIPP	Point Repair @ 325.5' DS from 3965 for 10' for BSV
WS013977S	AA10	WS013977 [6.2]	WS013976 [4.8]	8	Vitrified Clay Pipe	330	5.5	1	CIPP	Point Repair @ 150.8' DS from 3977 for 10' for FM
WS013997S	W9	WS013997 [7.5]	WS013707 [4.4]	8	Vitrified Clay Pipe	450	5.95	11	CIPP	

Group 3 CIPP Project - Manhole Bid Schedule

MH ID	Sheet	Diameter (in.)	Repair Method 1	Repair Method 2	Manhole Height (ft)	Height Above Grade (ft)
FS021223	O4	48	Cement Coating: Entire MH	None	16.6	0.0
FS021224.01	N4	48	Repair Bench/Channel	None	4.7	0.0
FS021226	O5	72	Cement Coating: Entire MH	None	20.7	0.0
FS021253	L2	36	Cement Coating: Entire MH	None	5.7	0.0
FS021265	J1	48	Cement Coating: Entire MH	None	9.0	0.0
FS021286	N1	48	Repair Bench/Channel	Cement Coating: Entire MH	10.0	0.1
FS021308	K3	48	Install Inside Drop	Cement Coating: Entire MH	13.6	0.0
FS021347.10	L3	48	Repair Bench/Channel	None	5.2	0.0
FS021355	M4	48	Structurally Repair MH	None	5.9	0.0
FS021356	M5	48	Cement Coating: Entire MH	None	6.9	0.0
FS021357	M5	48	Cement Coating: Entire MH	None	6.8	0.0
FS021399.01	J3	48	Cement Coating: Entire MH	None	14.6	0.0
FS021410	I2	48	Repair Bench/Channel	Cement Coating: Entire MH	12.0	0.0
FS021494.04	O2	48	Cement Coating: Entire MH	None	6.5	0.0
FS021496	O2	24	Structurally Repair MH	None	3.8	0.0
FS021513	P1	48	Repair Bench/Channel	Cement Coating: Entire MH	11.5	0.0
FS021521	Q2	40	Cement Coating: Entire MH	None	3.2	0.0
FS021522	Q2	40	Cement Coating: Entire MH	None	3.8	0.0
FS021553	Q2	48	Repair Bench/Channel	Install Inside Drop	10.0	0.0
FS021559	R3	36	Repair Bench/Channel	Cement Coating: Entire MH	4.4	0.0

Group 3 CIPP Project - Manhole Bid Schedule

MH ID	Sheet	Diameter (in.)	Repair Method 1	Repair Method 2	Manhole Height (ft)	Height Above Grade (ft)
FS021560	R4	40	Repair Bench/Channel	None	4.9	0.0
FS021581	Q4	40	Cement Coating: Entire MH	None	8.6	0.0
FS021610	O3	48	Cement Coating: Entire MH	None	9.8	0.0
FS021611	O3	48	Repair Bench/Channel	None	8.5	0.0
FS021616	P3	36	Repair Bench/Channel	Cement Coating: Entire MH	4.3	0.0
FS021628	N4	48	Repair Bench/Channel	Cement Coating: Entire MH	7.9	0.0
FS021645	O5	48	Repair Bench/Channel	Cement Coating: Entire MH	6.9	0.0
FS021726.01	S5	48	Repair Bench/Channel	Cement Coating: Entire MH	8.9	0.0
FS021726.02	S5	48	Repair Bench/Channel	Cement Coating: Entire MH	9.0	0.0
FS021732.01	U5	48	Repair Bench/Channel	None	9.1	0.0
FS021733.02	U5	48	Cement Coating: Entire MH	None	9.2	0.0
FS021764	Q5	48	Cement Coating: Entire MH	None	8.4	0.0
FS021780.11	S5	48	Cement Coating: Entire MH	None	3.9	0.0
FS021784.01	Q6	48	Install New Manhole	None	11.0	0.0
FS021786	R6	40	Cement Coating: Entire MH	None	7.9	0.0
FS021795	S5	48	Cement Coating: Entire MH	None	9.3	0.0
FS021796	S5	48	Repair Bench/Channel	None	8.9	0.0
FS021799	S6	48	Cement Coating: Entire MH	None	9.2	0.0
FS022524.02	H5	0	Repair Bench/Channel	Cement Coating: Entire MH	4.2	0.1
FS022524.05	G5	48	Install New Manhole	None	6.0	0.0

Group 3 CIPP Project - Manhole Bid Schedule

MH ID	Sheet	Diameter (in.)	Repair Method 1	Repair Method 2	Manhole Height (ft)	Height Above Grade (ft)
FS022529	I4	0	Install Inside Drop	Cement Coating: Entire MH	5.8	0.0
FS022530	J4	0	Cement Coating: Entire MH	None	5.8	0.0
FS022533	J4	0	Cement Coating: Entire MH	None	8.2	0.0
FS022559	L7	48	Install New Manhole	None	9.0	0.0
FS022575	J6	48	Cement Coating: Entire MH	None	5.1	0.0
FS022589.03	K5	48	Install New Manhole	None	12.0	0.0
FS022592	L5	40	Repair Bench/Channel	Cement Coating: Entire MH	8.5	0.0
FS022614	L5	0	Cement Coating: Entire MH	None	7.4	0.0
FS022616.02	M5	0	Cement Coating: Entire MH	None	3.7	0.0
FS022624.01	L6	48	Repair Bench/Channel	Cement Coating: Entire MH	8.9	0.0
FS022624.03	L6	0	Repair Bench/Channel	Cement Coating: Entire MH	5.8	0.0
FS022624.05	M6	0	Repair Bench/Channel	None	6.2	0.0
FS022644	I5	0	Cement Coating: Entire MH	None	5.6	0.0
FS022650	K4	48	Install Inside Drop	Cement Coating: Entire MH	5.1	0.0
FS022652	G5	48	Install New Manhole	None	6.0	0.0
FS022658	I4	0	Cement Coating: Entire MH	None	7.9	0.0
FS022661	I4	0	Cement Coating: Entire MH	None	6.4	0.0
FS033885	W7	48	Repair Bench/Channel	Cement Coating: Entire MH	9.8	0.0
FS045558	X12	36	Structurally Repair MH	None	1.9	0.0
WS010149	D6	48	Cement Coating: Entire MH	None	11.5	0.0

Group 3 CIPP Project - Manhole Bid Schedule

MH ID	Sheet	Diameter (in.)	Repair Method 1	Repair Method 2	Manhole Height (ft)	Height Above Grade (ft)
WS010194	D7	48	Install Inside Drop	Cement Coating: Entire MH	10.2	0.0
WS010248	B7	48	Cement Coating: Entire MH	None	15.3	0.0
WS010255	A6	48	Repair Bench/Channel	None	10.0	0.0
WS010287	G7	48	Repair Bench/Channel	Install Inside Drop	14.2	0.0
WS010288	G7	48	Repair Bench/Channel	Cement Coating: Entire MH	11.6	0.0
WS010289	G7	48	Repair Bench/Channel	Cement Coating: Entire MH	9.7	0.0
WS010313	J7	36	Repair Bench/Channel	None	2.7	0.0
WS010534	Q8	40	Cement Coating: Entire MH	None	8.4	0.0
WS010632	L11	48	Install New Manhole	None	7.0	0.0
WS011129.01	K14	36	Repair Bench/Channel	None	3.5	0.0
WS011315	M10	48	Cement Coating: Entire MH	None	6.4	0.0
WS011329	L10	48	Cement Coating: Entire MH	None	7.7	0.0
WS011330	L10	48	Cement Coating: Entire MH	None	10.2	0.0
WS012027.01	I17	48	Repair Bench/Channel	Cement Coating: Entire MH	6.7	0.0
WS012058.01	K17	48	Cement Coating: Entire MH	None	18.2	0.0
WS012058.02	K17	48	Cement Coating: Entire MH	None	17.6	0.4
WS012093	J17	48	Install New Manhole	None	10.0	0.0
WS012170.01	M17	48	Cement Coating: Entire MH	None	8.5	0.0
WS012206.04	H16	48	Install Inside Drop	Cement Coating: Entire MH	14.3	0.4
WS012232.01	J17	48	Structurally Repair MH	None	14.2	0.0
WS012262	N16	48	Repair Bench/Channel	None	9.1	2.0

Group 3 CIPP Project - Manhole Bid Schedule

MH ID	Sheet	Diameter (in.)	Repair Method 1	Repair Method 2	Manhole Height (ft)	Height Above Grade (ft)
WS012265	O15	48	Repair Bench/Channel	Cement Coating: Entire MH	6.2	0.0
WS012265.04	N15	48	Cement Coating: Entire MH	None	7.1	0.0
WS012267	O15	48	Repair Bench/Channel	None	7.4	0.0
WS012297	M16	48	Repair Bench/Channel	Cement Coating: Entire MH	12.9	0.0
WS012301.01	K16	48	Repair Bench/Channel	None	7.4	0.0
WS012306	K16	48	Repair Bench/Channel	None	8.2	0.0
WS012315	L16	48	Repair Bench/Channel	None	8.6	0.0
WS012349	M16	48	Repair Bench/Channel	None	13.9	0.0
WS012350	M17	48	Install Inside Drop	Cement Coating: Entire MH	14.1	0.0
WS012352	M17	48	Repair Bench/Channel	None	8.6	0.0
WS012353	M16	48	Repair Bench/Channel	Cement Coating: Entire MH	8.7	0.0
WS012863	R10	48	Cement Coating: Entire MH	None	10.0	0.0
WS012863.01	R10	48	Cement Coating: Entire MH	None	10.2	0.0
WS012866	R10	48	Repair Bench/Channel	Install Inside Drop	11.2	2.3
WS012881	V11	36	Repair Bench/Channel	Cement Coating: Entire MH	4.3	0.0
WS012930.01	O10	36	Repair Bench/Channel	Cement Coating: Entire MH	3.9	0.0
WS012999.01	T11	40	Repair Bench/Channel	Cement Coating: Entire MH	7.5	0.0
WS013003.01	T11	48	Repair Bench/Channel	Cement Coating: Entire MH	9.4	0.0
WS013155	Q10	40	Cement Coating: Entire MH	None	8.3	0.0
WS013601.02	R8	48	Repair Bench/Channel	None	9.5	0.0
WS013610	T8	40	Cement Coating: Entire MH	None	9.6	0.0

Group 3 CIPP Project - Manhole Bid Schedule

MH ID	Sheet	Diameter (in.)	Repair Method 1	Repair Method 2	Manhole Height (ft)	Height Above Grade (ft)
WS013616	V9	48	Cement Coating: Entire MH	None	8.6	0.0
WS013616.04	V9	48	Install Inside Drop	None	9.0	0.0
WS013626	X10	40	Cement Coating: Entire MH	None	9.9	0.0
WS013647	T8	48	Cement Coating: Entire MH	None	20.6	0.0
WS013670	T7	48	Cement Coating: Entire MH	None	9.4	0.0
WS013676	T7	40	Cement Coating: Entire MH	None	9.2	0.0
WS013683	Y10	48	Repair Bench/Channel	Cement Coating: Entire MH	5.8	0.0
WS013687	AB10	40	Cement Coating: Entire MH	None	5.1	0.0
WS013710	T9	40	Repair Bench/Channel	Cement Coating: Entire MH	7.9	0.0
WS013720	V10	48	Cement Coating: Entire MH	None	7.8	0.0
WS013746.01	T9	48	Repair Bench/Channel	Cement Coating: Entire MH	6.8	0.0
WS013746.02	T9	40	Cement Coating: Entire MH	None	5.5	0.0
WS013753.03	W8	36	Cement Coating: Entire MH	None	6.7	0.0
WS013763	Y8	40	Cement Coating: Entire MH	None	7.5	0.0
WS013764	Y8	48	Cement Coating: Entire MH	None	8.4	0.0
WS013766	Y8	48	Cement Coating: Entire MH	None	14.0	0.0
WS013767.01	Z8	48	Cement Coating: Entire MH	None	15.3	0.0
WS013770	Z8	48	Cement Coating: Entire MH	None	13.8	0.0

Group 3 CIPP Project - Manhole Bid Schedule

MH ID	Sheet	Diameter (in.)	Repair Method 1	Repair Method 2	Manhole Height (ft)	Height Above Grade (ft)
WS013772	Z8	48	Cement Coating: Entire MH	None	11.3	0.0
WS013773	Z8	40	Cement Coating: Entire MH	None	9.6	0.0
WS013776	AA8	48	Cement Coating: Entire MH	None	7.4	0.0
WS013778	AA8	48	Cement Coating: Entire MH	None	9.7	0.0
WS013780	Y8	48	Cement Coating: Entire MH	None	12.6	0.2
WS013786	AA8	48	Cement Coating: Entire MH	None	11.9	0.0
WS013787	AA9	48	Cement Coating: Entire MH	None	5.9	0.0
WS013840	X11	40	Cement Coating: Entire MH	None	8.1	0.0
WS013844	V8	48	Cement Coating: Entire MH	None	9.8	0.0
WS013855	W10	48	Structurally Repair MH	None	3.9	0.0
WS013876	AB9	40	Cement Coating: Entire MH	None	6.9	0.0
WS013877	AB9	36	Cement Coating: Entire MH	None	3.4	0.0
WS013878	AB9	40	Repair Bench/Channel	None	6.2	0.0
WS013879	AB9	40	Repair Bench/Channel	Cement Coating: Entire MH	5.8	0.0
WS013917	AB8	40	Cement Coating: Entire MH	None	12.1	0.0
WS013922	AA9	40	Cement Coating: Entire MH	None	8.5	0.0
WS013923	AA9	48	Cement Coating: Entire MH	None	8.3	0.0
WS013925	Z9	47	Cement Coating: Entire MH	None	9.1	0.0

Group 3 CIPP Project - Manhole Bid Schedule

MH ID	Sheet	Diameter (in.)	Repair Method 1	Repair Method 2	Manhole Height (ft)	Height Above Grade (ft)
WS013930.01	X8	48	Cement Coating: Entire MH	None	10.8	0.0
WS013931	X8	48	Cement Coating: Entire MH	None	9.6	0.0
WS013936	Y8	48	Cement Coating: Entire MH	None	7.0	0.0
WS013941	X8	48	Cement Coating: Entire MH	None	8.6	0.0
WS013949	X8	48	Repair Bench/Channel	Cement Coating: Entire MH	8.3	0.0
WS013956	N13	48	Install New Manhole	None	8.0	0.0
WS013960	X7	48	Repair Bench/Channel	None	9.3	0.0
WS013966	AB10	40	Cement Coating: Entire MH	None	5.1	0.0
WS013990.02	X8	40	Repair Bench/Channel	Cement Coating: Entire MH	6.5	0.0
WS013990.03	X9	40	Repair Bench/Channel	Cement Coating: Entire MH	4.4	0.0
WS013997.01	W9	48	Cement Coating: Entire MH	None	9.8	0.0