

VILLAGE OF FRANKLIN PARK
ROBINSON ROAD AREA WATERMAIN & ROADWAY RECONSTRUCTION
ENGINEER'S ESTIMATE OF COST - MARCH 26, 2024

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	PHASE 1 QUANTITY (WEST HALF)	PHASE 2 QUANTITY (EAST HALF)	UNIT PRICE	TOTAL [FULL PROJECT]	PHASE 1 TOTAL	PHASE 2 TOTAL
R1	CONCRETE WASHOUT	EACH	1	0.5	0.5	\$ 1,500.00	\$ 1,500.00	\$ 750.00	\$ 750.00
R2	BITUMINOUS MATERIALS (PRIME COAT) 0.40 GAL/SY	GAL	5,866	2,933	2,933	\$ 1.00	\$ 5,866.00	\$ 2,933.00	\$ 2,933.00
R3	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	3,102	1,644	1,458	\$ 25.00	\$ 77,550.00	\$ 41,100.00	\$ 36,450.00
R4	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"	TON	3,285	1,700	1,585	\$ 110.00	\$ 361,350.00	\$ 187,000.00	\$ 174,350.00
R5	HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	TON	1,643	850	793	\$ 115.00	\$ 188,945.00	\$ 97,750.00	\$ 91,195.00
R6	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	5,050	1,700	3,350	\$ 8.50	\$ 42,925.00	\$ 14,450.00	\$ 28,475.00
R8	ASPHALT ROADWAY PAVEMENT REMOVAL	SQ YD	14,665	7,587	7,078	\$ 8.20	\$ 120,253.00	\$ 62,213.40	\$ 58,039.60
R9	CONCRETE CURB & GUTTER REMOVAL	FOOT	1,010	340	670	\$ 8.00	\$ 8,080.00	\$ 2,720.00	\$ 5,360.00
R10	SIDEWALK REMOVAL	SQ FT	5,050	1,700	3,350	\$ 2.00	\$ 10,100.00	\$ 3,400.00	\$ 6,700.00
R11	COMBINATION CONCRETE CURB & GUTTER, TYPE B-4.12	FOOT	1,010	340	670	\$ 35.00	\$ 35,350.00	\$ 11,900.00	\$ 23,450.00
R12	THERMOPLASTIC PAVEMENT MARKING - LINE 6" - WHITE	FOOT	468	234	234	\$ 2.50	\$ 1,170.00	\$ 585.00	\$ 585.00
R13	THERMOPLASTIC PAVEMENT MARKING - LINE 24" - WHITE	FOOT	117	59	59	\$ 8.50	\$ 994.50	\$ 497.25	\$ 497.25
W1	WATERMAIN REMOVAL	FOOT	50	25	25	\$ 11.00	\$ 550.00	\$ 275.00	\$ 275.00
W2	REMOVE FIRE HYDRANT	EACH	17	12	5	\$ 500.00	\$ 8,500.00	\$ 6,000.00	\$ 2,500.00
W3	ABANDON VALVE VAULT	EACH	12	8	4	\$ 440.00	\$ 5,280.00	\$ 3,520.00	\$ 1,760.00
W4	PLUG ABANDONED WATERMAIN	EACH	12	8	4	\$ 750.00	\$ 9,000.00	\$ 6,000.00	\$ 3,000.00
W5	DUCTILE IRON WATERMAIN, 8" - INCL. ALL FITTINGS	FOOT	5,270	2,820	2,450	\$ 155.00	\$ 816,850.00	\$ 437,100.00	\$ 379,750.00
W6	WATER SERVICE REPLACEMENT, 1" COPPER, MAIN TO B-BOX	FOOT	3,081	1,037	2,044	\$ 110.00	\$ 338,910.00	\$ 114,070.00	\$ 224,840.00
W7	WATER SERVICE REPLACEMENT, 1" COPPER, B-BOX TO HOUSE	FOOT	1,740	600	1,140	\$ 145.00	\$ 252,300.00	\$ 87,000.00	\$ 165,300.00
W8	WATER SERVICE REPLACEMENT, INTERIOR RESTORATION	EACH	87	30	57	\$ 5,250.00	\$ 456,750.00	\$ 157,500.00	\$ 299,250.00
W9	WATER SERVICE REPLACEMENT, ASBESTOS ABATEMENT	EACH	87	30	57	\$ 3,900.00	\$ 339,300.00	\$ 117,000.00	\$ 222,300.00
W10	GATE VALVE, 8"	EACH	12	8	4	\$ 2,600.00	\$ 31,200.00	\$ 20,800.00	\$ 10,400.00
W11	VALVE VAULT, 4' DIA.	EACH	12	8	4	\$ 2,900.00	\$ 34,800.00	\$ 23,200.00	\$ 11,600.00
W12	FIRE HYDRANT W/ AUXILIARY VALVE AND BOX	EACH	17	12	5	\$ 9,750.00	\$ 165,750.00	\$ 117,000.00	\$ 48,750.00
W13	CONNECT TO EXIST WATERMAIN	EACH	3	1	2	\$ 4,300.00	\$ 12,900.00	\$ 4,300.00	\$ 8,600.00
W14	TRENCH BACKFILL - WATER MAIN	FOOT	5,270	2,820	2,450	\$ 24.00	\$ 126,480.00	\$ 67,680.00	\$ 58,800.00
W15	TRENCH BACKFILL - WATER SERVICE	FOOT	2,475	833	1,642	\$ 13.00	\$ 32,175.00	\$ 10,829.00	\$ 21,346.00
M1	TOPSOIL, FURNISH AND PLACE, 4"	SQ YD	1,614	572	1,042	\$ 7.00	\$ 11,298.00	\$ 4,004.00	\$ 7,294.00
M2	NITROGEN FERTILIZER NUTRIENT	POUND	30	10	20	\$ 8.50	\$ 255.00	\$ 85.00	\$ 170.00
M3	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	30	10	20	\$ 8.50	\$ 255.00	\$ 85.00	\$ 170.00
M4	POTASSIUM FERTILIZER NUTRIENT	POUND	30	10	20	\$ 8.50	\$ 255.00	\$ 85.00	\$ 170.00
M5	SODDING	SQ YD	1,614	572	1,042	\$ 13.00	\$ 20,982.00	\$ 7,436.00	\$ 13,546.00
M6	SUPPLEMENTAL WATERING	UNIT	15	7	8	\$ 115.00	\$ 1,725.00	\$ 805.00	\$ 920.00
M7	INLET FILTERS	EACH	36	24	12	\$ 105.00	\$ 3,780.00	\$ 2,520.00	\$ 1,260.00
M8	EARTH EXCAVATION	CU YD	500	250	250	\$ 65.00	\$ 32,500.00	\$ 16,250.00	\$ 16,250.00
M9	MOBILIZATION	L. SUM	1	0.5	0.5	\$ 33,000.00	\$ 33,000.00	\$ 16,500.00	\$ 16,500.00
M10	TRAFFIC CONTROL AND PROTECTION, COMPLETE	L. SUM	1	0.5	0.5	\$ 23,000.00	\$ 23,000.00	\$ 11,500.00	\$ 11,500.00
M11	CONSTRUCTION LAYOUT	L. SUM	1	0.5	0.5	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00
SP1	REPAIR WATERMAIN BREAK - COMPLETE	HOUR	50	25	25	\$ 530.00	\$ 26,500.00	\$ 13,250.00	\$ 13,250.00
SP2	LINE STOP - HYDRA-STOP MODEL HSF 250	EACH	1	0.5	0.5	\$ 7,750.00	\$ 7,750.00	\$ 3,875.00	\$ 3,875.00
SP3	EXPLORATORY EXCAVATION	HOUR	50	25	25	\$ 310.00	\$ 15,500.00	\$ 7,750.00	\$ 7,750.00
SP4	CUT AND CAP WATERMAIN	EACH	1	0.5	0.5	\$ 1,700.00	\$ 1,700.00	\$ 850.00	\$ 850.00
SP5	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	50	50	\$ 66.00	\$ 6,600.00	\$ 3,300.00	\$ 3,300.00
SP6	GEOTECHNICAL FABRIC FOR SUBGRADE STABILIZATION	SQ YD	200	100	100	\$ 9.00	\$ 1,800.00	\$ 900.00	\$ 900.00
SP7	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	250	125	125	\$ 38.00	\$ 9,500.00	\$ 4,750.00	\$ 4,750.00
SP8	NON-SPECIAL WASTE DISPOSAL	CU YD	100	50	50	\$ 100.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00
SP9	PERMETER EROSION BARRIER	FOOT	500	250	250	\$ 4.50	\$ 2,250.00	\$ 1,125.00	\$ 1,125.00
SP10	CONC. UTILITY PATCH REMOVAL, 6"-15"	SQ YD	100	50	50	\$ 75.00	\$ 7,500.00	\$ 3,750.00	\$ 3,750.00
SP11	CONCRETE COLLAR	EACH	1	0.5	0.5	\$ 1,700.00	\$ 1,700.00	\$ 850.00	\$ 850.00
SP12	THERMOPLASTIC PAVEMENT MARKING - LINE 12" - WHITE	FOOT	300	150	150	\$ 17.00	\$ 5,100.00	\$ 2,550.00	\$ 2,550.00
SP13	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	9	9	\$ 175.00	\$ 3,150.00	\$ 1,575.00	\$ 1,575.00
	TOTAL:						\$ 3,720,928.50	\$ 1,711,367.65	\$ 2,009,560.85