

SUMMARY OF QUANTITIES							MJ Underground			J Russ Company		
SP	PAY ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	unit price	calced total cost	bid total cost	unit price	calced total cost	bid total cost
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	\$ 55.00	350	\$ 19,250.00	\$ 42.00	\$ 14,700.00	\$ 14,700.00	\$ 35.88	\$ 12,558.00	\$ 12,558.00
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	\$ 2.50	1,050	\$ 2,625.00	\$ 2.0	\$ 2,100.00	\$ 2,100.00	\$ 2.10	\$ 2,205.00	\$ 2,205.00
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	\$ 20.00	20	\$ 400.00	\$ 96.00	\$ 1,920.00	\$ 1,920.00	\$ 5.41	\$ 108.20	\$ 108.20
	28000510	INLET FILTERS	EACH	\$ 200.00	25	\$ 5,000.00	\$ 224.00	\$ 5,600.00	\$ 5,600.00	\$ 221.26	\$ 5,531.50	\$ 5,531.50
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	\$ 1.50	1,215	\$ 1,822.50	\$ 4.00	\$ 4,860.00	\$ 4,860.00	\$ 10.81	\$ 13,134.15	\$ 13,134.15
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	\$ 45.00	350	\$ 15,750.00	\$ 53.00	\$ 18,550.00	\$ 18,550.00	\$ 54.81	\$ 19,183.50	\$ 19,183.50
	35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	\$ 15.00	136	\$ 2,040.00	\$ 19.00	\$ 2,584.00	\$ 2,584.00	\$ 33.61	\$ 4,570.96	\$ 4,570.96
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	\$ 1.00	16,256	\$ 16,256.00	\$ 0.01	\$ 162.56	\$ 162.56	\$ 0.01	\$ 162.56	\$ 162.56
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	\$ 1.00	1,626	\$ 1,626.00	\$ 0.01	\$ 16.26	\$ 16.26	\$ 0.01	\$ 16.26	\$ 16.26
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	\$ 15.00	82	\$ 1,230.00	\$ 0.01	\$ 0.82	\$ 0.82	\$ 0.01	\$ 0.82	\$ 0.82
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	\$ 85.00	1,176	\$ 99,960.00	\$ 94.00	\$ 110,544.00	\$ 110,544.00	\$ 97.32	\$ 114,448.32	\$ 114,448.32
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	\$ 110.00	784	\$ 86,240.00	\$ 102.00	\$ 79,968.00	\$ 79,968.00	\$ 104.89	\$ 82,233.76	\$ 82,233.76
	42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	\$ 85.00	136	\$ 11,560.00	\$ 165.00	\$ 22,440.00	\$ 22,440.00	\$ 291.95	\$ 39,705.20	\$ 39,705.20
*	42400800	DETECTABLE WARNINGS	SQ FT	\$ 45.00	122	\$ 5,490.00	\$ 26.00	\$ 3,172.00	\$ 3,172.00	\$ 2.03	\$ 247.66	\$ 3,297.66
*	44000100	PAVEMENT REMOVAL	SQ YD	\$ 13.00	136	\$ 1,768.00	\$ 44.00	\$ 5,984.00	\$ 5,984.00	\$ 16.05	\$ 2,182.80	\$ 2,182.80
	44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	\$ 5.00	6,913	\$ 34,565.00	\$ 5.00	\$ 34,565.00	\$ 34,565.00	\$ 5.41	\$ 37,399.33	\$ 37,399.33
	44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	\$ 50.00	227	\$ 11,350.00	\$ 61.00	\$ 13,847.00	\$ 13,847.00	\$ 73.96	\$ 16,788.92	\$ 16,788.92
*	550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	\$ 65.00	304	\$ 19,760.00	\$ 115.00	\$ 34,960.00	\$ 34,960.00	\$ 100.00	\$ 30,400.00	\$ 30,400.00
*	550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	\$ 70.00	661	\$ 46,270.00	\$ 74.00	\$ 48,914.00	\$ 48,914.00	\$ 100.00	\$ 66,100.00	\$ 66,100.00
*	55100400	STORM SEWER REMOVAL 10"	FOOT	\$ 40.00	36	\$ 1,440.00	\$ 76.00	\$ 2,736.00	\$ 2,736.00	\$ 50.00	\$ 1,800.00	\$ 1,800.00
*	55100500	STORM SEWER REMOVAL 12"	FOOT	\$ 45.00	238	\$ 10,710.00	\$ 76.00	\$ 18,088.00	\$ 18,088.00	\$ 50.00	\$ 11,900.00	\$ 11,900.00
*	56103000	DUCTILE IRON WATER MAIN, 6"	FOOT	\$ 135.00	90	\$ 12,150.00	\$ 144.00	\$ 12,960.00	\$ 12,960.00	\$ 150.00	\$ 13,500.00	\$ 13,500.00
*	56103100	DUCTILE IRON WATER MAIN, 8"	FOOT	\$ 150.00	2,237	\$ 335,550.00	\$ 125.00	\$ 279,625.00	\$ 279,625.00	\$ 170.00	\$ 380,290.00	\$ 380,290.00
*	56105000	WATER VALVES 8"	EACH	\$ 4,500.00	17	\$ 76,500.00	\$ 3,178.00	\$ 54,026.00	\$ 54,026.00	\$ 3,311.98	\$ 56,303.66	\$ 56,303.66
*	56400500	FIRE HYDRANT TO BE REMOVED	EACH	\$ 1,600.00	6	\$ 9,600.00	\$ 1,554.00	\$ 9,324.00	\$ 9,324.00	\$ 1,566.96	\$ 9,401.76	\$ 9,401.76
*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	\$ 9,500.00	6	\$ 57,000.00	\$ 9,349.00	\$ 56,094.00	\$ 56,094.00	\$ 8,536.14	\$ 51,216.84	\$ 51,216.84
*	56500800	DOMESTIC WATER SERVICE BOX	EACH	\$ 1,250.00	43	\$ 53,750.00	\$ 1,751.00	\$ 75,293.00	\$ 75,293.00	\$ 500.00	\$ 21,500.00	\$ 21,500.00
*	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	\$ 8,500.00	7	\$ 59,500.00	\$ 3,792.00	\$ 26,544.00	\$ 26,544.00	\$ 3,601.36	\$ 25,209.52	\$ 25,209.52
*	60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	\$ 6,000.00	1	\$ 6,000.00	\$ 5,918.00	\$ 5,918.00	\$ 5,918.00	\$ 5,020.36	\$ 5,020.36	\$ 5,020.36
*	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	\$ 3,500.00	6	\$ 21,000.00	\$ 2,488.00	\$ 14,928.00	\$ 14,928.00	\$ 2,600.00	\$ 15,600.00	\$ 15,600.00
	60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	\$ 3,500.00	1	\$ 3,500.00	\$ 4,387.00	\$ 4,387.00	\$ 4,387.00	\$ 3,601.36	\$ 3,601.36	\$ 3,601.36
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	\$ 6,500.00	4	\$ 26,000.00	\$ 3,314.00	\$ 13,256.00	\$ 13,256.00	\$ 3,601.36	\$ 14,405.44	\$ 14,405.11
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	\$ 3,000.00	2	\$ 6,000.00	\$ 2,417.00	\$ 4,834.00	\$ 4,834.00	\$ 2,725.50	\$ 5,451.00	\$ 5,451.00
*	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	\$ 5,000.00	17	\$ 85,000.00	\$ 3,943.00	\$ 67,031.00	\$ 67,031.00	\$ 4,700.00	\$ 79,900.00	\$ 79,900.00
*	60250200	CATCH BASINS TO BE ADJUSTED	EACH	\$ 500.00	1	\$ 500.00	\$ 687.00	\$ 687.00	\$ 687.00	\$ 2,153.11	\$ 2,153.11	\$ 2,153.11
*	60500405	FILLING VALVE VAULTS	EACH	\$ 500.00	5	\$ 2,500.00	\$ 1,512.00	\$ 7,560.00	\$ 7,560.00	\$ 1,125.70	\$ 5,628.50	\$ 5,628.50
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	\$ 4.00	476	\$ 1,904.00	\$ 4.00	\$ 1,904.00	\$ 1,904.00	\$ 3.00	\$ 1,428.00	\$ 1,428.00
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	\$ 6.00	645	\$ 3,870.00	\$ 6.00	\$ 3,870.00	\$ 3,870.00	\$ 5.41	\$ 3,489.45	\$ 3,489.45
	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	\$ 12.00	73	\$ 876.00	\$ 24.00	\$ 1,752.00	\$ 1,752.00	\$ 24.87	\$ 1,815.51	\$ 1,815.51
	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	\$ 8.00	88	\$ 704.00	\$ 49.00	\$ 4,312.00	\$ 4,312.00	\$ 28.11	\$ 2,473.68	\$ 2,473.68
	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	\$ 25.00	15	\$ 375.00	\$ 212.00	\$ 3,180.00	\$ 3,180.00	\$ 124.35	\$ 1,865.25	\$ 1,865.25
	78011030	GROOVING FOR RECESSED PAVEMENT MARKING, 7"	FOOT	\$ 20.00	733	\$ 14,660.00	\$ 5.00	\$ 3,665.00	\$ 3,665.00	\$ 4.33	\$ 3,173.89	\$ 3,173.89
	78011125	GROOVING FOR RECESSED PAVEMENT MARKING, 25"	FOOT	\$ 30.00	88	\$ 2,640.00	\$ 20.00	\$ 1,760.00	\$ 1,760.00	\$ 6.49	\$ 571.12	\$ 571.12
*	X0322463	CONNECTION TO EXISTING SEWER	EACH	\$ 2,000.00	1	\$ 2,000.00	\$ 2,624.00	\$ 2,624.00	\$ 2,624.00	\$ 17,532.03	\$ 17,532.03	\$ 17,352.03
*	X0324878	SANITARY SEWER SERVICE ADJUSTMENT	FOOT	\$ 250.00	100	\$ 25,000.00	\$ 176.00	\$ 17,600.00	\$ 17,600.00	\$ 158.48	\$ 15,848.00	\$ 15,848.00
*	X1200160	CONNECTION TO EXISTING DRAINAGE STRUCTURE	EACH	\$ 1,500.00	1	\$ 1,500.00	\$ 2,344.00	\$ 2,344.00	\$ 2,344.00	\$ 3,450.95	\$ 3,450.95	\$ 3,450.95
*	X2080250	TRENCH BACKFILL, SPECIAL	CU YD	\$ 45.00	2,732	\$ 122,940.00	\$ 101.00	\$ 275,932.00	\$ 275,932.00	\$ 52.00	\$ 142,064.00	\$ 142,064.00
*	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	\$ 150.00	600	\$ 90,000.00	\$ 183.00	\$ 109,800.00	\$ 109,800.00	\$ 17.16	\$ 10,296.00	\$ 10,296.00
*	X3580300	AGGREGATE BASE REPAIR (SPECIAL)	TON	\$ 45.00	150	\$ 6,750.00	\$ 20.00	\$ 3,000.00	\$ 3,000.00	\$ 25.00	\$ 3,750.00	\$ 3,750.00
*	X5510308	SANITARY SEWER REMOVAL 8"	FOOT	\$ 77.00	110	\$ 8,470.00	\$ 19.00	\$ 2,090.00	\$ 2,090.00	\$ 157.75	\$ 17,352.50	\$ 17,352.50
*	X5610656	WATER MAIN TO BE ABANDONED, 6"	FOOT	\$ 5.00	110	\$ 550.00	\$ 10.00	\$ 1,100.00	\$ 1,100.00	\$ 6.00	\$ 660.00	\$ 660.00
*	X5610658	WATER MAIN TO BE ABANDONED, 8"	FOOT	\$ 10.00	2,287	\$ 22,870.00	\$ 12.00	\$ 27,444.00	\$ 27,444.00	\$ 6.00	\$ 13,722.00	\$ 13,722.00
*	X5610706	WATER MAIN REMOVAL, 6"	FOOT	\$ 100.00	20	\$ 2,000.00	\$ 20.00	\$ 400.00	\$ 400.00	\$ 50.00	\$ 1,000.00	\$ 1,000.00
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	\$ 35.00	68	\$ 2,380.00	\$ 20.00	\$ 1,360.00	\$ 1,360.00	\$ 50.00	\$ 3,400.00	\$ 3,400.00
*	X5610804	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	\$ 10,000.00	8	\$ 80,000.00	\$ 5,044.00	\$ 40,352.00	\$ 40,352.00	\$ 7,211.88	\$ 57,695.04	\$ 57,695.04
*	X5630405	REMOVE EXISTING WATER VALVE	EACH	\$ 200.00	6	\$ 1,200.00	\$ 1,146.00	\$ 6,876.00	\$ 6,876.00	\$ 1,402.93	\$ 8,417.58	\$ 8,417.58
*	X6022858	MANHOLES, TYPE A, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	\$ 8,500.00	1	\$ 8,500.00	\$ 5,501.00	\$ 5,501.00	\$ 5,501.00	\$ 5,963.53	\$ 5,963.53	\$ 5,963.53
*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	\$ 2,500.00	9	\$ 22,500.00	\$ 1,075.00	\$ 9,675.00	\$ 9,675.00	\$ 1,310.04	\$ 11,790.36	\$ 11,790.36
*	X6026622	VALVE VAULTS TO BE REMOVED	EACH	\$ 1,000.00	1	\$ 1,000.00	\$ 1,512.00	\$ 1,512.00	\$ 1,512.00	\$ 712.72	\$ 712.72	\$ 712.72
*	X6026632	VALVE BOXES TO BE REMOVED	EACH	\$ 750.00	8	\$ 6,000.00	\$ 337.00	\$ 2,696.00	\$ 2,696.00	\$ 712.70	\$ 5,701.60	\$ 5,701.60
*	X7010216	TRAFFIC CONTROL & PROTECTION (SPECIAL)	L SUM	\$ 45,000.00	1	\$ 45,000.00	\$ 58,730.00	\$ 58,730.00	\$ 58,730.00	\$ 130,000.00	\$ 130,000.00	\$ 130,000.00
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	\$ 35,000.00	1	\$ 35,000.00	\$ 31,916.00	\$ 31,916.00	\$ 31,916.00	\$ 25,129.27	\$ 25,129.27	\$ 25,129.27
*		3" HMA DRIVEWAY REMOVAL AND REPLACEMENT	SQ FT	\$ 25.00	276	\$ 6,900.00	\$ 16.00	\$ 4,416.00	\$ 4,416.00	\$ 32.27	\$ 8,906.52	\$ 8,906.52
*		CASH ALLOWANCE	UNITS	\$ 1.00	25,000	\$ 25,000.00	\$ 1.00	\$ 25,000.00	\$ 25,000.00	\$ 1.00	\$ 25,000.00	\$ 25,000.00
*		COMBINATION CONCRETE CURB & GUTTER REMOVAL & REPLACEMENT (SPECIAL)	FOOT	\$ 35.00	2,192	\$ 76,703.20	\$ 60.00	\$ 131,491.20	\$ 131,520.00	\$ 50.00	\$ 109,576.00	\$ 109,600.00
*		DROP SANITARY MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	\$ 12,000.00	2	\$ 24,000.00	\$ 7,551.00	\$ 15,102.00	\$ 15,102.00	\$ 23,180.75	\$ 46,361.50	\$ 46,361.50
*		DUCTILE IRON WATERMAIN, "THEODORE ROAD", 8"	FOOT	\$ 200.00	75	\$ 15,000.00	\$ 188.00	\$ 14,100.00	\$ 14,100.00	\$ 210.00	\$ 15,750.00	\$ 15,750.00
*		INSERTION VALVES, 8"	EACH	\$ 9,400.00	1	\$ 9,400.00	\$ 12,527.00	\$ 12,527.00	\$ 12,527.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
*		PARKWAY RESTORATION - SODDING	SQ YD	\$ 19.50	1,215	\$ 23,692.50	\$ 23.00	\$ 27,945.00	\$ 27,945.00	\$ 37.85	\$ 45,987.75	\$ 45,987.75
*		PORTLAND CEMENT CONCRETE (HIGH EARLY) DRIVEWAY PAVEMENT REMOVAL & REPLACEMENT	SQ YD	\$ 75.00	422	\$ 31,650.00	\$ 162.00	\$ 68,364.00	\$ 68,364.00	\$ 147.23	\$ 62,131.06	\$ 62,131.06
*		PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL & REPLACEMENT (SPECIAL)	SQ FT	\$ 15.00	6,403	\$ 96,045.00	\$ 15.00	\$ 96,045.00	\$ 96,045.00	\$ 17.87	\$ 114,421.61	\$ 114,421.61
*		SANITARY SEWER, PVC ASTM D-2241, 8"	FOOT	\$ 100.00	110	\$ 11,000.00	\$ 123.00	\$ 13,530.00	\$ 13,530.00	\$ 330.00	\$ 36,300.00	\$ 36,300.00
*		SHAPING AND GRADING ROADWAY	SQ YD	\$ 5.00	6,997	\$ 34,985.00	\$ 3.00	\$ 20,991.00	\$ 20,991.00	\$ 3.40	\$ 23,789.80	\$ 23,789.80
*		STRUCTURES TO BE REMOVED	EACH	\$ 1,000.00	10	\$ 10,000.00	\$ 2,040.00	\$ 20,400.00	\$ 20,400.00	\$ 712.70	\$ 7,127.00	\$ 7,127.00
*		SUMP LINE	FOOT	\$ 250.00	100	\$ 25,000.00	\$ 132.00	\$ 13,200.00	\$ 13,200.00	\$ 63.83	\$ 6,383.00	\$ 6,383.00
*		TEMPORARY ACCESS	EACH	\$ 250.00	43	\$ 10,750.00	\$ 210.00	\$ 9,030.00	\$ 9,030.00	\$ 300.00	\$ 12,900.00	\$ 12,900.00
*		TEMPORARY PAVEMENT, 2"	SQ YD</									