

PRELIMINARY ENGINEER'S ESTIMATE															
PARTICIPATING: MATCH AS DEFINED BELOW										NON PARTICIPATING		NON PARTICIPATING			
ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT	100% Ram. Co. SP 62-631-06 ROADWAY	AMOUNT	100% Ram. Co. SP 62-631-06 STORM SEWER	AMOUNT	100% St. Paul SAP 164-020-115 ROADWAY	AMOUNT	100% St. Paul SAP 164-020-115 STORM SEWER	AMOUNT	100% ST. PAUL REGIONAL WATER SERVICES	AMOUNT
2021.501	MOBILIZATION	LS	1	\$100,000.00	\$100,000.00	0.51	\$50,907.35	0.01	\$1,371.89	0.47	\$46,975.33	0.01	\$735.24		
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	1	\$15,000.00	\$15,000.00	0.51	\$7,636.10	0.01	\$205.80	0.47	\$7,046.30	0.01	\$110.29		
2101.502	CLEARING	TREES	46	\$240.00	\$11,040.00	28	\$6,720.00		\$0.00	18	\$4,320.00		\$0.00		
2101.507	GRUBBING	TREES	46	\$110.00	\$5,060.00	28	\$3,080.00		\$0.00	18	\$1,980.00		\$0.00		
2104.501	REMOVE CONCRETE CURB	LF	3,266	\$3.00	\$9,798.00	1,891	\$5,073.00		\$0.00	1,575	\$4,725.00		\$0.00		
2104.501	REMOVE SPLIT RAIL FENCE	LF	10	\$5.00	\$50.00	3	\$15.00		\$0.00	7	\$35.00		\$0.00		
2104.501	REMOVE CHAIN LINK FENCE	LF	18	\$5.00	\$90.00	13	\$65.00		\$0.00	5	\$25.00		\$0.00		
2104.501	REMOVE CONCRETE PIPE (SEWER)	LF	378	\$12.00	\$4,536.00	278	\$3,336.00		\$0.00	100	\$1,200.00		\$0.00		
2104.509	REMOVE CONCRETE WALL SPECIAL	CY	26	\$50.00	\$1,300.00	26	\$1,300.00		\$0.00		\$0.00		\$0.00		
2104.503	REMOVE CONCRETE WALK	SF	14,329	\$1.00	\$14,329.00	8,236	\$8,236.00		\$0.00	6,093	\$6,093.00		\$0.00		
2104.505	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SY	640	\$3.00	\$1,920.00	350	\$1,050.00		\$0.00	290	\$870.00		\$0.00		
2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SY	245	\$6.50	\$1,592.50	127	\$825.50		\$0.00	118	\$767.00		\$0.00		
2104.509	REMOVE MANHOLE OR CATCHBASIN	EACH	13	\$420.00	\$5,460.00	8	\$3,360.00		\$0.00	5	\$2,100.00		\$0.00		
2104.509	REMOVE CASTING	EACH	13	\$170.00	\$2,210.00	8	\$1,360.00		\$0.00	5	\$850.00		\$0.00		
2104.509	REMOVE CONCRETE STEPS	EACH	13	\$250.00	\$3,250.00	13	\$3,250.00		\$0.00		\$0.00		\$0.00		
2104.509	REMOVE POST	EACH	18	\$21.00	\$378.00	9	\$189.00		\$0.00	9	\$189.00		\$0.00		
2104.509	REMOVE SIGN TYPE C	EACH	20	\$125.00	\$2,500.00	10	\$1,250.00		\$0.00	10	\$1,250.00		\$0.00		
2104.509	REMOVE SIGN PANEL TYPE C	EACH	16	\$60.00	\$960.00	8	\$480.00		\$0.00	8	\$480.00		\$0.00		
2104.509	REMOVE AND DISPOSE LIGHT BASE FOUNDATION	EACH	12	\$350.00	\$4,200.00	6	\$2,100.00		\$0.00	6	\$2,100.00		\$0.00		
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LF	155	\$4.70	\$728.50	83	\$437.10		\$0.00	62	\$291.40		\$0.00		
2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	908	\$3.50	\$3,178.00	378	\$1,323.00		\$0.00	530	\$1,855.00		\$0.00		
2104.521	SALVAGE FENCE SPECIAL	LF	167	\$3.70	\$617.90		\$0.00		\$0.00	167	\$617.90		\$0.00		
2104.523	SALVAGE SIGN PANEL TYPE C	EACH	6	\$125.00	\$750.00	3	\$375.00		\$0.00	3	\$375.00		\$0.00		
2104.523	REMOVE AND SALVAGE LIGHT STANDARD/LUMINAIRE	EACH	12	\$350.00	\$4,200.00	6	\$2,100.00		\$0.00	6	\$2,100.00		\$0.00		
2104.523	REMOVE AND SALVAGE LIGHTING PANEL	EACH	6	\$350.00	\$2,100.00	3	\$1,050.00		\$0.00	3	\$1,050.00		\$0.00		
2105.501	COMMON EXCAVATION (EV) (P)	CY	10,623	\$13.00	\$138,095.10	5,311	\$69,047.55		\$0.00	5,311	\$69,047.55		\$0.00		
2105.521	SELECT GRANULAR BORROW (CV) (P)	CY	7,039	\$15.00	\$105,584.55	4,014	\$60,212.85		\$0.00	3,025	\$45,371.70		\$0.00		
2105.523	COMMON BORROW (CV) (P)	CY	99	\$8.50	\$844.90	54	\$457.30		\$0.00	46	\$387.60		\$0.00		
2105.525	TOPSOIL BORROW (LV)	CY	161	\$12.50	\$2,012.50	79	\$992.50		\$0.00	82	\$1,020.00		\$0.00		
2123.61	STREET SWEEPER W/PICKUP BROOM	HOURL	100	\$125.00	\$12,500.00	50	\$6,250.00		\$0.00	50	\$6,250.00		\$0.00		
2123.61	TRACTOR MOUNTED BACKHOE	HOURL	100	\$100.00	\$10,000.00	50	\$5,000.00		\$0.00	50	\$5,000.00		\$0.00		
2130.501	WATER	M GAL	100	\$30.00	\$3,000.00	50	\$1,500.00		\$0.00	50	\$1,500.00		\$0.00		
2211.503	AGGREGATE BASE, CLASS 7 (CV) (P)	CY	2,009	\$27.60	\$55,440.12	1,121	\$30,947.86		\$0.00	879	\$24,271.44		\$0.00		
2350.501	BITUMINOUS PATCH MIX TYPE LV NON WEAR	TON	100	\$106.00	\$10,600.00	50	\$5,300.00		\$0.00	50	\$5,300.00		\$0.00		
2350.501	TYPE LV WEARING COURSE MIXTURE (B)	TON	17	\$94.00	\$1,622.44	17	\$1,622.44		\$0.00		\$0.00		\$0.00		
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	919	\$1.60	\$1,469.88	527	\$843.36		\$0.00	391	\$626.32		\$0.00		
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4.F)	TON	2,012	\$70.00	\$140,851.90	1,150.97	\$80,567.90		\$0.00	861	\$60,284.00		\$0.00		
2360.502	TYPE SP 12.5 NON - WEARING COURSE MIXTURE (4.B)	TON	1,509	\$60.00	\$90,547.80	863.23	\$51,793.80		\$0.00	646	\$38,754.00		\$0.00		
2411.618	MODULAR BLOCK RETAINING WALL	SF	92	\$50.00	\$4,600.00	92.00	\$4,600.00		\$0.00		\$0.00		\$0.00		
2503.541	10" RC PIPE SEWER DESIGN 3006 CLASS V	LF	60	\$33.90	\$2,034.00		\$0.00	60.00	\$2,034.00		\$0.00		\$0.00		
2503.541	12" RC PIPE SEWER DESIGN 3006 CLASS V	LF	405	\$33.90	\$13,729.50		\$0.00	286	\$9,695.40		\$0.00	119	\$4,034.10		
2503.541	30" RC PIPE SEWER DESIGN 3006 CLASS V	LF	23.0	\$57.00	\$1,311.00		\$0.00		\$0.00		\$0.00	23	\$1,311.00		
2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	2.0	\$500.00	\$1,000.00	1.0	\$500.00		\$0.00	1	\$500.00		\$0.00		
2503.603	6" PVC SANITARY SEWER PIPE SCHEDULE 40	LF	60.00	\$30.00	\$1,800.00	30	\$900.00		\$0.00	30	\$900.00		\$0.00		
2504.602	WATER UTILITY HOLE	EACH	10	\$1,000.00	\$10,000.00	5	\$5,000.00		\$0.00	5	\$5,000.00		\$0.00		
2504.603	WATERMAIN SERVICE TRENCH	LF	210	\$15.00	\$3,150.00	105	\$1,575.00		\$0.00	105	\$1,575.00		\$0.00		
2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN TYPE 7A	LF	24	\$245.00	\$5,880.00		\$0.00	24	\$5,880.00		\$0.00		\$0.00		
2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LF	25	\$246.50	\$6,063.90		\$0.00	11.3	\$2,785.45		\$0.00	13.3	\$3,278.45		
2506.516	CASTING ASSEMBLIES	EACH	13	\$465.00	\$6,045.00	8	\$3,720.00		\$0.00		\$0.00	5	\$2,325.00		
2506.522	ADJUST FRAME & RING CASTINGS	EACH	21	\$350.00	\$7,350.00	10	\$3,500.00		\$0.00		\$0.00	11	\$3,850.00		
2521.501	4" CONCRETE WALK	SF	9,475	\$3.02	\$28,613.90	4,520	\$13,649.80		\$0.00	4955	\$14,964.10		\$0.00		
2521.501	6" CONCRETE WALK	SF	3,680.41	\$5.00	\$18,402.05	1,973.59	\$9,867.95		\$0.00	1706.82	\$8,534.10		\$0.00		
2531.501	CONCRETE CURB & GUTTER DESIGN B624	LF	2,861	\$14.00	\$40,051.20	1552.72	\$21,738.08		\$0.00	1308.08	\$18,313.12		\$0.00		
2531.507	6" CONCRETE PAVEMENT	SY	48	\$40.60	\$1,952.86		\$0.00		\$0.00	48.1	\$1,952.86		\$0.00		
2531.507	8" CONCRETE PAVEMENT	SY	269	\$50.00	\$13,465.00	98.9	\$4,945.00		\$0.00	170.4	\$8,520.00		\$0.00		
2531.511	CONCRETE STAIRS	CY	10	\$618.00	\$6,180.00	10	\$6,180.00		\$0.00		\$0.00		\$0.00		

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2531 618	PRECAST TRUNCATED DOMES	SF		160		\$35.00		\$5,600.00			80		\$2,800.00			80		\$2,800.00			\$0.00	
2545 511	LIGHT STANDARD TYPE 2L14 TWIN ARM	EACH		10		\$2,300.00		\$23,000.00			5		\$11,500.00			5		\$11,500.00			\$0.00	
2545 513	GFCI RECEPTACLE	EACH		10		\$150.00		\$1,500.00			5		\$750.00			5		\$750.00			\$0.00	
2545 513	LUMINAIRE LANTERN TYPE R100	EACH		20		\$1,100.00		\$22,000.00			10		\$11,000.00			10		\$11,000.00			\$0.00	
2545 515	LIGHT BASE FOUNDATION TYPE ST	EACH		10		\$550.00		\$5,500.00			5		\$2,750.00			5		\$2,750.00			\$0.00	
2545 521	2" NMC TRENCH & RESTORATION/PUSH	LF		200		\$15.00		\$3,000.00			100		\$1,500.00			100		\$1,500.00			\$0.00	
2545 521	2" NMC TRENCH & RESTORATION/PUSH	LF		4,800		\$3.00		\$13,800.00			2,300		\$6,900.00			2,300		\$6,900.00			\$0.00	
2545 531	1 C #4 AWG	LF		13,800		\$2.30		\$31,740.00			6,900		\$15,870.00			6,900		\$15,870.00			\$0.00	
2545 531	1 C #8 AWG	LF		13,800		\$1.30		\$17,940.00			6900		\$8,970.00			6900		\$8,970.00			\$0.00	
2545 531	1 C #8 AWG INSULATED	LF		4,800		\$1.30		\$5,980.00			2300		\$2,990.00			2300		\$2,990.00			\$0.00	
2545 541	SERVICE PANEL LIGHTING POLE MOUNTED/W/ METERED GFI C	EACH		6		\$2,200.00		\$13,200.00			3		\$6,600.00			3		\$6,600.00			\$0.00	
2545 553	PULL BOX TYPE L (13" X 24" X 12")	EACH		12		\$450.00		\$5,400.00			6		\$2,700.00			6		\$2,700.00			\$0.00	
2557 501	WIRE FENCE DESIGN 60-9322	LF		10.0		\$15.60		\$156.00			5		\$78.00			5.0		\$78.00			\$0.00	
2557 501	FENCE, DESIGN SPLIT RAIL	LF		4		\$10.00		\$40.00					\$0.00			4		\$40.00			\$0.00	
2563 601	TRAFFIC CONTROL	LS		1		\$20,000.00		\$20,000.00			0.51		\$10,181.47		0.01	0.47		\$9,385.07			\$14,705	
2564 531	F & I SIGN PANELS TYPE D	SF		81		\$25.00		\$2,025.00			40.5		\$1,012.50			40.5		\$1,012.50			\$0.00	
2564 602	F & I SIGN TYPE C	EACH		20		\$240.00		\$4,800.00			10.0		\$2,400.00			10		\$2,400.00			\$0.00	
2564 602	F & I SIGN PANELS TYPE C	EACH		12		\$125.00		\$1,500.00			6		\$750.00			6		\$750.00			\$0.00	
2564 602	INSTALL SALVAGED SIGN PANELS TYPE C	EACH		6		\$240.00		\$1,440.00			3		\$720.00			3		\$720.00			\$0.00	
2565 511	TRAFFIC CONTROL SIGNAL SYSTEM A	SYS		1		\$190,000.00		\$190,000.00					\$0.00			1		\$190,000.00			\$0.00	
2565 511	TRAFFIC CONTROL SIGNAL SYSTEM B	SYS		1		\$190,000.00		\$190,000.00			1		\$190,000.00			1		\$190,000.00			\$0.00	
2565 601	TRAFFIC CONTROL INTERCONNECTION	LS		2		\$40,000.00		\$80,000.00			1		\$40,000.00			1		\$40,000.00			\$0.00	
2565 601	REMOVE & SALVAGE SIGNAL SYSTEM	LS		2		\$8,900.00		\$17,800.00			1		\$8,900.00			1		\$8,900.00			\$0.00	
2572 501	TEMPORARY FENCE (48" HIGH ORANGE PLASTIC)	LF		100		\$4.00		\$400.00			50		\$200.00			50		\$200.00			\$0.00	
2573 53	INLET PROTECTION	EACH		17.0		\$145.00		\$2,465.00			9		\$1,305.00			8		\$1,160.00			\$0.00	
2573 540	FILTER LOG TYPE COMPOST LOG	LF		100		\$3.00		\$300.00			50		\$150.00			50		\$150.00			\$0.00	
2573 55	EROSION CONTROL SUPERVISOR	LS		1		\$5,000.00		\$5,000.00			0.51		\$2,545.37		0.01	0.47		\$2,348.77			\$56.76	
2573 602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH		12		\$1,000.00		\$12,000.00			6		\$6,000.00			6		\$6,000.00			\$0.00	
2575 505	SODDING TYPE LAWN	SY		1,931		\$3.40		\$6,566.08			953.5		\$3,241.90			977.7		\$3,324.18			\$0.00	
2575 532	COMMERCIAL FERTILIZER ANALYSIS 22-05-10	LB		120		\$1.20		\$143.64			59.2		\$71.04			60.5		\$72.60			\$0.00	
2575 56	HYDRAULIC SOIL STABILIZER TYPE 6	LB		1,000		\$2.00		\$2,000.00			500		\$1,000.00			500		\$1,000.00			\$0.00	
2582 501	PAVEMENT MESSAGE (LEFT ARROW/POLYPREFORM TAPE INI	EACH		4		\$4.40		\$17.60			4		\$17.60			4		\$17.60			\$0.00	
2582 502	4" BROKEN LINE WHITE - POLYPREFORM TAPE INLAY	LF		320		\$8.50		\$2,720.00			160		\$1,360.00			160		\$1,360.00			\$0.00	
2582 502	4" SOLID LINE WHITE - POLYPREFORM TAPE INLAY	LF		410		\$8.50		\$3,485.00			205		\$1,742.50			205		\$1,742.50			\$0.00	
2582 502	4" DOUBLE SOLID LINE YELLOW - POLYPREFORM TAPE INLAY	LF		1,872		\$7.50		\$14,040.00			936		\$7,020.00			936		\$7,020.00			\$0.00	
2582 502	8" SOLID LINE WHITE-POLY PREFORM INLAY	LF		865		\$15.00		\$12,975.00			432.5		\$6,487.50			432.5		\$6,487.50			\$0.00	
2582 502	12" SOLID LINE WHITE - POLYPREFORM TAPE INLAY	LF		452		\$15.00		\$6,780.00			226		\$3,390.00			226		\$3,390.00			\$0.00	