

ENGINEER'S ESTIMATE OF COSTS

Project: Sunwood Drive Realignment	I HEREBY CERTIFY THAT THIS ENGINEER'S ESTIMATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	Robert Schunicht
S.A.P. 199-104-010		12105

ESTIMATED QUANTITIES

ITEM NUMBER	Description	Notes	Unit	UNIT PRICE	S.A.P. 199-104-010 Sunwood Drive		S.A.P. 199-104-010 Sunwood Drive STORM SEWER		S.A.P. 199-104-010 Sunwood Drive LANDSCAPING		100% CITY NON- PARTICIPATING	
					ESTIMATED QUANTITY	ESTIMATED COST	ESTIMATED QUANTITY	ESTIMATED COST	ESTIMATED QUANTITY	ESTIMATED COST	ESTIMATED QUANTITY	ESTIMATED COST
2021.501	MOBILIZATION		LUMP SUM	\$50,000.00	1.00	\$50,000.00						
2101.501	CLEARING		ACRE	\$2,500.00	12.16	\$30,400.00					4.17	\$10,425.00
2101.507	CLEARING		TREE	\$30.00					7	\$210.00		
2101.507	GRUBBING		TREE	\$30.00					7	\$210.00		
2102.502	PAVEMENT MARKING REMOVAL		LIN FT	\$0.55	209	\$114.95						
2104.501	REMOVE SEWER PIPE (STORM)		LIN FT	\$5.00	129	\$645.00						
2104.501	REMOVE CURB AND GUTTER		LIN FT	\$5.00	883	\$4,415.00						
2104.503	REMOVE CONCRETE WALK		SQ FT	\$2.00	4767	\$9,534.00						
2104.505	REMOVE BITUMINOUS PAVEMENT		SQ YD	\$2.00	2887	\$5,774.00						
2104.509	REMOVE DRAINAGE STRUCTURE		EACH	\$200.00	2	\$400.00						
2104.509	REMOVE SIGN TYPE A		EACH	\$25.00	2	\$50.00						
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LIN FT	\$6.00	94	\$564.00						
2104.513	SAWING BIT PAVEMENT (FULL DEPTH)		LIN FT	\$3.00	289	\$867.00						
2105.501	COMMON EXCAVATION		CU YD	\$5.00	581	\$2,905.00					112	\$560.00
2105.507	SUBGRADE EXCAVATION		CU YD	\$5.50	100	\$550.00					298	\$1,639.00
2105.522	SELECT GRANULAR BORROW		CU YD	\$6.00	2803	\$16,818.00					359	\$2,154.00
2105.523	COMMON BORROW (CV)		CU YD	\$5.00	21312	\$106,560.00					20004	\$100,020.00
2105.525	TOPSOIL BORROW (LV)		CU YD	\$14.00	560	\$7,840.00			2700	\$37,800.00	2100	\$29,400.00
2105.525	SELECT TOPSOIL BORROW		CU YD	\$35.00					262	\$9,170.00		
2106.607	COMMON EMBANKMENT (CV)		CU YD	\$1.71	24115	\$41,236.65						
2211.503	AGGREGATE BASE (CV) CLASS 5 MODIFIED		CU YD	\$17.00	1726	\$29,342.00					171	\$2,907.00
2360.501	TYPE SP 12.5 WEARING COURSE MIX (3, C)		TON	\$65.00	841	\$54,665.00					87	\$5,655.00
2360.502	TYPE SP 12.5 NON WEAR COURSE MIX (3, B)		TON	\$61.00	1963	\$119,743.00					145	\$8,845.00
2503.602	CONNECT TO EXISTING SANITARY SEWER		EACH	\$1,500.00							1	\$1,500.00
2503.602	CONNECT TO EXISTING STORM SEWER		EACH	\$500.00							1	\$500.00
2503.602	PLUG AND ABANDON PIPE SEWER		EACH	\$500.00	2	\$1,000.00						
2503.602	PLUG AND ABANDON PIPE WATER		EACH	\$500.00	2	\$1,000.00						
2503.603	8" PVC PIPE SEWER		LIN FT	\$40.00							135	\$5,400.00
SP1	8" PVC PIPE PLUG		EACH	\$100.00							1	\$100.00
SP2	48" SANITARY MANHOLE		LF	\$250.00							11	\$2,750.00
SP3	FURNISH AND INSTALL CASTING		EACH	\$750.00							1	\$750.00
SP4	ADJUST CASTING		EACH	\$250.00							1	\$250.00
2504.601	IRRIGATION SYSTEM		LUMP SUM	\$22,000.00					1	\$22,000.00		
2504.602	CONNECT TO EXISTING WATERMAIN		EACH	\$1,706.00							1	\$1,706.00
2504.602	HYDRANT		EACH	\$3,291.00							3	\$9,873.00
2504.602	INSTALL PLUG		EACH	\$225.00							5	\$1,125.00
2504.602	6" GATE VALVE		EACH	\$1,371.00							3	\$4,113.00
2504.602	8" GATE VALVE		EACH	\$1,647.00							3	\$4,941.00
2504.602	12" GATE VALVE		EACH	\$2,700.00							8	\$21,600.00
2504.603	6" DIP WATERMAIN CLASS 52		LF	\$33.00							156	\$5,148.00
2504.603	8" DIP WATERMAIN CLASS 52		LF	\$39.00							275	\$10,725.00
2504.603	12" DIP WATERMAIN CLASS 52		LF	\$44.00							1234	\$54,296.00
2504.604	4" POLYSTYRENE INSULATION		SQ YD	\$39.00							11	\$429.00
2504.608	DIP FITTINGS		LBS	\$3.75							2435	\$9,131.25
2501.511	15" RC PIPE CLASS IV		LIN FT	\$26.00			71.2	\$1,851.20				
2501.511	18" RC PIPE CL IV		LIN FT	\$31.00			519.9	\$16,116.90			59	\$1,829.00
2501.511	24" RC PIPE CL III		LIN FT	\$37.00			508.5	\$18,814.50			243	\$8,991.00
2506.501	CONST DRAINAGE STRUCTURE DESIGN A		LIN FT	\$175.00			26.3	\$4,602.50			5	\$875.00
2506.501	CONST DRAINAGE STRUCTURE DESIGN H		LIN FT	\$158.00			3.7	\$584.60				
2506.501	CONST DRAINAGE STRUCTURE DES 48-4020		LIN FT	\$285.00			23.7	\$6,754.50			13	\$3,705.00
2506.501	CONST DRAINAGE STRUCTURE DES 60-4020		LIN FT	\$335.00			12.9	\$4,321.50				
2506.501	CONST DRAINAGE STRUCTURE DES 60-4020		LIN FT	\$400.00			8.3	\$3,320.00				

ESTIMATED QUANTITIES

ITEM NUMBER	Description	Notes	Unit	UNIT PRICE	S.A.P. 199-104-010 Sunwood Drive		S.A.P. 199-104-010 Sunwood Drive STORM SEWER		S.A.P. 199-104-010 Sunwood Drive LANDSCAPING		100% CITY NON- PARTICIPATING	
					ESTIMATED QUANTITY	ESTIMATED COST	ESTIMATED QUANTITY	ESTIMATED COST	ESTIMATED QUANTITY	ESTIMATED COST	ESTIMATED QUANTITY	ESTIMATED COST
2506.516	FURNISH & INSTALL CASTING ASSEMBLY		EACH	\$750.00			14	\$10,500.00			3	\$2,250.00
2506.602	CONNECT TO EXISTING DRAINAGE STRUCTURE		EACH	\$500.00			1	\$500.00			1	\$500.00
2506.602	RECONSTRUCT DRAINAGE STRUCTURE		EACH	\$675.00			1	\$675.00				
2531.501	CONCRETE CURB & GUTTER DESIGN D418		LIN FT	\$16.25	342	\$5,557.50						
2531.501	CONCRETE CURB & GUTTER DESIGN B618		LIN FT	\$12.00	3905	\$46,860.00					294	\$3,528.00
2521.501	4" CONCRETE SIDEWALK		SQ FT	\$4.00	17734	\$70,936.00						
2531.507	8" CONCRETE DRIVEWAY PAVEMENT		SQ YD	\$52.13	1414	\$73,711.82						
2531.618	TRUNCATED DOMES		SQ FT	\$34.61	238	\$8,237.18						
2540.602	BOLLARD		EACH	\$600.00					4	\$2,400.00		
2564.531	SIGN PANEL TYPE C		SQ FT	\$27.01	248	\$6,698.48						
2564.552	HAZARD MARKER X4-2		EACH	\$76.74	5	\$383.70						
2571.502	DECIDUOUS TREE - 2.5" CAL. B&B		EACH	\$500.00					53	\$26,500.00		
2571.504	CONIFEROUS SHRUB - 3' HT B&B		EACH	\$45.00					10	\$450.00		
2573.502	SILT FENCE, TYPE MACHINE SLICED		LIN FT	\$1.70	1610	\$2,737.00					3958	\$6,728.60
2573.530	STORM DRAIN INLET PROTECTION		EACH	\$125.00	18	\$2,250.00					2	\$250.00
2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL		LIN FT	\$3.50							6	\$21.00
2575.502	SEED MIXTURE 190		LBS	\$1.72					51	\$87.72	285	\$490.20
2575.505	SEED MIXTURE 340		LBS	\$3.25					21	\$68.25		
2575.505	SODDING TYPE SALT RESISTANT		SQ YD	\$4.00					1570	\$6,280.00		
2575.532	FERTILIZER TYPE 1		LBS	\$0.41					2017	\$826.97		
2575.532	FERTILIZER TYPE 3		LBS	\$0.41					75	\$30.75		
2575.511	MULCH MATERIAL TYPE 1		TON	\$99.00					12	\$1,188.00		
2582.501	PAVEMENT MESSAGE (LT-THRU ARROW) ONLY PREFORMED		EACH	\$100.00	2	\$200.00						
2582.501	PAVEMENT MESSAGE (THRU ARROW) POLY PREFORMED		EACH	\$100.00	1	\$100.00						
2582.501	PAVEMENT MESSAGE (LEFTARROW) POLY PREFORMED		EACH	\$328.00	7	\$2,296.00						
2582.501	PAVEMENT MESSAGE (RIGHT ARROW) POLY PREFORMED		EACH	\$341.00	2	\$682.00						
2582.501	PAVEMENT MESSAGE (ONLY) POLY PREFORMED		EACH	\$310.00	8	\$2,480.00						
2582.502	4" DOUBLE SOLID LINE, YELLOW EPOXY		LIN FT	\$0.47	268	\$125.96						
2582.502	4" SOLID LINE, YELLOW EPOXY		LIN FT	\$0.25	2177	\$544.25						
2582.502	4" SOLID LINE, WHITE EPOXY		LIN FT	\$0.23	3515	\$808.45						
2582.502	4" BROKEN LINE, WHITE EPOXY		LIN FT	\$0.30	317	\$95.10						
2582.502	8" DOTTED LINE WHITE, POLY PREFORMED		LIN FT	\$5.78	79	\$456.62						
2582.502	4" DOTTED LINE WHITE, EPOXY		LIN FT	\$1.41	212	\$298.92						
2582.503	CROSSWALK MARKING, POLY PREFORMED		SQ FT	\$13.10	270	\$3,537.00						
TOTAL						\$713,419.58		\$68,040.70		\$107,221.69		\$325,110.05

502

\$3744.90

TOTAL MASS GRADING !
ENTRANCE \$198,277.90