

APPENDIX E:
SITE PREPARATION COSTS

SAINT PAUL PORT AUTHORITY

3m East Saint Paul Campus, SITE PREPARATION - COST OPINION SUMMARY

DEMOLITION

ITEM	UNIT	UNIT BID	PARCEL 2 - Building 24		PARCEL 3 - Building 1		PARCEL 3 - Building 2		PARCEL 3 - Building 3		PARCEL 3 - Building 14		PARCEL 3 - Building 20		PARCEL 3 - Building 21		PARCEL 3 - Building 42		PARCEL 3 - Building 41	
			Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost
Above Ground Demolition - Exterior to Buildings																				
Mobilization	EA	\$11,100.00	1	\$11,100.00	1	\$10,000.00	1	\$10,000.00	1	\$10,000.00	1	\$10,000.00	1	\$10,000.00	1	\$10,000.00	1	\$10,000.00	1	\$10,000.00
Remove & Separate Bituminous Pavement	SY	\$1.95	3986	\$7,771.73									328	\$639.41	3200	\$6,240.00			2733	\$5,328.38
Remove & Separate Concrete Sidewalk	SF	\$1.65	5735	\$9,462.75									2590	\$4,273.50	450	\$742.50	1920	\$3,168.00	800	\$1,320.00
Remove & Separate Concrete Curb & Gutter	LF	\$3.85													400	\$1,540.00	320	\$1,232.00	300	\$1,155.00
Remove & Separate Concrete Driveway Apron	EA	\$550.00													1	\$550.00				
Remove & Separate Concrete Pavement	SY	\$16.65	4300	\$71,595.00			264	\$4,395.60			264	\$4,395.60								
Remove & Separate Retaining Walls (Concrete)	SF	\$3.90	560	\$1,848.00																
Erosion Control	LS	\$2,225.00	1	\$2,225.00	1	\$2,225.00	1	\$2,225.00	1	\$2,225.00	1	\$2,225.00	1	\$2,225.00	1	\$2,225.00	1	\$2,225.00	1	\$2,225.00
Remove, Haul & Dispose/Recycle Wrought Iron Fence	LF	\$21.10													130	\$2,743.00				
Above Ground Demolition - Exterior to Buildings			SUBTOTAL	\$104,002.48	SUBTOTAL	\$12,225.00	SUBTOTAL	\$16,620.60	SUBTOTAL	\$12,225.00	SUBTOTAL	\$16,620.60	SUBTOTAL	\$17,137.91	SUBTOTAL	\$24,040.50	SUBTOTAL	\$16,625.00	SUBTOTAL	\$20,028.38
contingency		10%		\$10,400.25		\$1,222.50		\$1,662.06		\$1,222.50		\$1,662.06		\$1,713.79		\$2,404.05		\$1,662.50		\$2,002.84
			TOTAL	\$114,402.72	TOTAL	\$13,447.50	TOTAL	\$18,282.66	TOTAL	\$13,447.50	TOTAL	\$18,282.66	TOTAL	\$18,851.70	TOTAL	\$26,444.55	TOTAL	\$18,287.50	TOTAL	\$22,031.21
Below Ground Demolition - Exterior to Buildings																				
Storm Sewer																				
Remove & Separate Storm Sewer Pipe (>24" Diameter)	LF	\$33.25	430	\$14,297.50																
Remove & Separate Storm Sewer Pipe (<24" Diameter)	LF	\$15.00	538	\$8,073.00							280	\$4,200.00	75	\$1,125.00	410	\$6,150.00	310	\$4,650.00	125	\$1,875.00
Remove & Separate Storm Sewer Manholes	LF	\$550.00	8	\$4,207.50							1	\$550.00	1	\$550.00	10	\$5,500.00	7	\$3,850.00	3	\$1,650.00
Sanitary Sewer																				
Remove, Haul & Dispose RCP Sanitary Sewer Pipe (<24")	LF	\$25.00	1037	\$25,935.00	60	\$1,500.00			115	\$2,875.00					40	\$1,000.00	550	\$13,750.00	35	\$875.00
Remove, Haul & Dispose RCP Sanitary Sewer Manholes	LF	\$550.00	6	\$3,300.00	2	\$1,100.00			2	\$1,100.00							1	\$550.00		
Remove, Haul, & Recycle Steam Lines	LF	\$16.65	510	\$8,491.50																
Below Ground Demolition - Exterior to Buildings			SUBTOTAL	\$64,304.50	SUBTOTAL	\$2,600.00	SUBTOTAL	\$0.00	SUBTOTAL	\$3,975.00	SUBTOTAL	\$4,750.00	SUBTOTAL	\$1,675.00	SUBTOTAL	\$12,650.00	SUBTOTAL	\$22,800.00	SUBTOTAL	\$4,400.00
contingency		10%		\$6,430.45		\$260.00		\$0.00		\$397.50		\$475.00		\$167.50		\$1,265.00		\$2,280.00		\$440.00
			TOTAL	\$70,734.95	TOTAL	\$2,860.00	TOTAL	\$0.00	TOTAL	\$4,372.50	TOTAL	\$5,225.00	TOTAL	\$1,842.50	TOTAL	\$13,915.00	TOTAL	\$25,080.00	TOTAL	\$4,840.00
Building Demolition																				
Building Demolition to Slab on Grade	LS		1	\$852,231.60	1	\$353,567.70	1	\$298,285.92	1	\$73,335.38	1	\$295,991.06	1	\$550,258.29	1	\$361,519.73	1	\$1,715,881.54	1	\$60,939.19
Remove Building Slabs, Footing, Foundations	LS		1	\$375,000.00	1	\$95,000.00	1	\$132,500.00	1	\$45,000.00	1	\$175,000.00	1	\$300,000.00	1	\$185,000.00				
Remove & Stockpile Aggregate Base	SY	\$1.65	10390	\$17,143.50	2235	\$3,687.02	2096	\$3,458.03	1161	\$1,916.02	2447	\$4,037.55	3943	\$6,505.58	2853	\$4,707.63			1064	\$1,755.97
Remove & Separate Utility Tunnel	LF	\$280.00	510	\$142,800.00											50	\$14,000.00				
Enclose End of Tunnel	EA	\$22,250.00	1	\$22,250.00											1	\$22,250.00				
Building Demolition			SUBTOTAL	\$1,409,425.10	SUBTOTAL	\$452,254.72	SUBTOTAL	\$424,243.95	SUBTOTAL	\$120,251.39	SUBTOTAL	\$475,028.61	SUBTOTAL	\$856,763.87	SUBTOTAL	\$551,227.36	SUBTOTAL	\$1,715,881.54	SUBTOTAL	\$95,195.16
contingency		10%		\$140,942.51		\$45,225.47		\$42,424.39		\$12,025.14		\$47,502.86		\$85,676.39		\$55,122.74		\$1,715,881.54		\$9,519.52
			TOTAL	\$1,550,367.61	TOTAL	\$497,480.19	TOTAL	\$466,668.34	TOTAL	\$132,276.53	TOTAL	\$522,531.47	TOTAL	\$942,440.26	TOTAL	\$606,350.10	TOTAL	\$1,887,469.69	TOTAL	\$104,714.67
Switch Gear Demolition																				
Switch Gear	LS		1	\$145,000.00																
Excel Relocating service line to Building 20			1	\$110,000.00																
Switch Gear			SUBTOTAL	\$255,000.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00
contingency		10%		\$25,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
			TOTAL	\$280,500.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00
Utility Tunnel																				
Water Supply/Utility Tunnel Disconnection	LS		1	\$27,750.00											1	\$27,750.00				
Utility Tunnel			SUBTOTAL	\$27,750.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00	SUBTOTAL	\$27,750.00	SUBTOTAL	\$0.00	SUBTOTAL	\$0.00
contingency		10%		\$2,775.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$2,775.00		\$0.00		\$0.00
			TOTAL	\$30,525.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$0.00	TOTAL	\$30,525.00	TOTAL	\$0.00	TOTAL	\$0.00
DEMOLITION PROJECT TOTAL				\$2,046,530.28		\$513,787.69		\$484,951.00		\$150,096.53		\$546,039.13		\$993,659.45		\$646,709.65		\$1,930,837.19		\$131,585.88

SAINT PAUL PORT AUTHORITY

3m East Saint Paul Campus, SITE PREPARATION - COST OPINION SUMMARY

SOIL CORRECTION

#	DESCRIPTION	UNIT	UNIT BID	Parcel 2 - Building 24		Parcel 3 - Building 1		Parcel 3 - Building 2		Parcel 3 - Building 3		Parcel 3 - Building 14		Parcel 3 - Building 20		Parcel 3 - Building 21		Parcel 3 - Building 42		Parcel 3 - Building 41	
				Quantity	Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost	Quantity	Engineer's Opinion of Cost
	Subgrade Correction Options																				
1	Subgrade Excavation (EV)	CY	\$5.50	40500	\$222,750.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	9500	\$52,250.00	10000	\$55,000.00	25000	\$137,500.00	28000	\$154,000.00
2	Dynamic Compaction	SF	\$1.20	80000	\$96,000.00		\$0.00		\$0.00		\$0.00		\$0.00	32044	\$38,452.92	24933	\$29,919.12	33153	\$39,783.48	14729	\$17,674.80
3	Dynamic Compaction (Mobilization- ratio)	SF	\$33,000.00	25%	\$8,250.00		\$0.00		\$0.00		\$0.00		\$0.00	0.25	\$8,250.00	0.25	\$8,250.00	0.25	\$8,250.00	0.25	\$8,250.00
					\$104,250.00		\$0.00		\$0.00		\$0.00		\$0.00		\$46,702.92		\$38,169.12		\$48,033.48		\$25,924.80
4	Geopiers	SF	\$9.90	80000	\$792,000.00		\$0.00		\$0.00		\$0.00		\$0.00	32044	\$317,236.59	24933	\$246,832.74	33153	\$328,213.71	14729	\$145,817.10

SAINT PAUL PORT AUTHORITY

3m East Saint Paul Campus, SITE PREPARATION - COST OPINION SUMMARY

EARTHWORK

Parcel Location	Import		
	Cubic Yards (Loose Volume)		
	Quantity	UNIT BID	Opinion of Cost
Parcel 2- Building 24	104,545	\$ 11.00	\$ 1,150,000.00
Parcel 3- Building 1	15,000	\$ 11.00	\$ 165,000.00
Parcel 3 - Building 2	4,100	\$ 11.00	\$ 45,100.00
Parcel 3 - Building 3	4,500	\$ 11.00	\$ 49,500.00
Parcel 3 - Building 14	15,000	\$ 11.00	\$ 165,000.00
Parcel 3 - Building 20	32,000	\$ 11.00	\$ 352,000.00
Parcel 3 - Building 21	20,000	\$ 11.00	\$ 220,000.00
Parcel 3 - Building 42	30,800	\$ 11.00	\$ 338,800.00
Parcel 3 - Building 41	2,200	\$ 11.00	\$ 24,200.00

SAINT PAUL PORT AUTHORITY

3m East Saint Paul Campus, SITE PREPARATION - COST OPINION SUMMARY

SUMMARY

DEMOLITION	Parcel 2 - Building 24	Parcel 3 - Building 1	Parcel 3 - Building 2	Parcel 3 - Building 3	Parcel 3 - Building 14	Parcel 3 - Building 20	Parcel 3 - Building 21	Parcel 3 - Building 42	Parcel 3 - Building 41
Cost Opinion	\$2,047,000	\$514,000	\$485,000	\$150,000	\$546,000	\$994,000	\$647,000	\$1,931,000	\$132,000

FILL	Parcel 2 - Building 24	Parcel 3 - Building 1	Parcel 3 - Building 2	Parcel 3 - Building 3	Parcel 3 - Building 14	Parcel 3 - Building 20	Parcel 3 - Building 21	Parcel 3 - Building 42	Parcel 3 - Building 41
Cost Opinion	\$1,150,000	\$165,000	\$45,000	\$50,000	\$165,000	\$352,000	\$220,000	\$339,000	\$24,000

SOIL CORRECTIONS	Parcel 2 - Building 24	Parcel 3 - Building 1	Parcel 3 - Building 2	Parcel 3 - Building 3	Parcel 3 - Building 14	Parcel 3 - Building 20	Parcel 3 - Building 21	Parcel 3 - Building 42	Parcel 3 - Building 41
Cost Opinion	\$792,000	\$0	\$0	\$0	\$0	\$47,000	\$38,000	\$48,000	\$26,000

SITE PREPARATION TOTAL	Parcel 2 - Building 24	Parcel 3 - Building 1	Parcel 3 - Building 2	Parcel 3 - Building 3	Parcel 3 - Building 14	Parcel 3 - Building 20	Parcel 3 - Building 21	Parcel 3 - Building 42	Parcel 3 - Building 41
Cost Opinion	\$3,989,000	\$679,000	\$530,000	\$200,000	\$711,000	\$1,393,000	\$905,000	\$2,318,000	\$182,000