

ESTIMATE

STR CONSULTING

350 West Ontario Street, Suite 200
Chicago, Illinois 60654

Project: Transit Transfer Station Improvement
 Location: 2nd Avenue and 20th Street, Rock Island, Illinois
 Owner: _____
 Architect: _____

Date: April 5, 2011
 Estimate Type: Design Development
 STRC File Name: Sample.xls|Street&Canopy

No.	Description	Quantity	Unit	Unit Price	Amount	Total
	SUMMARY - Canopy & Street					
	Division One - General Conditions				\$176,258	
	Division Two - Site Work				\$342,783	
	Division Three - Concrete				\$60,550	
	Division Four - Masonry				\$0	
	Division Five - Metals				\$455,127	
	Division Six - Wood and Plastics				\$0	
	Division Seven - Thermal & Moisture Protection				\$324,304	
	Division Eight - Door and Windows				\$0	
	Division Nine - Finishes				\$41,731	
	Division Ten - Specialties				\$53,480	
	Division Eleven - Furnishing				\$0	
	Division Twelve - Equipment				\$3,520	
	Division Thirteen - Special Construction				\$0	
	Division Fourteen - Conveying System				\$0	
	Division Fifteen - Mechanical				\$0	
	Division Sixteen - Electrical				\$63,400	
	Subtotal					\$1,521,153
	The following items are excluded from this estimate:					
	- Special Consultant Fees			- A/E Fees		
	- Legal Fees			- FF&E Work		
	- Utility Company Service Fees			- Hazardous Waste Handling		
	- Cost of Land			- Easements / ROW agreements		
	- Renovation of Existing Buildings					

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No.	Description	Quantity	Unit	Unit Price	Amount	Total
	Canopy - Detailed Breakdown of Costs					
	Division One - General Conditions					
01000	General Condition Allowance	10%		\$1,344,895	\$134,490	
1	Street vehicle barricades	720	l.f.	\$20.00	\$14,400	
2	Temporary fence	325	l.f.	\$2.50	\$813	
3	Staging fencing allowance	970	l.f.	\$4.50	\$4,365	
01740	Bonds and Insurance	1.5%		\$1,479,385	\$22,191	
	Subtotal					\$176,258
	Division Two - Site Work					
02070	Selective demolition					
1	Remove Parking Lot Access Equipment	1	allow	\$2,560.00	\$2,560	
2	Remove bituminous paving	13,230	s.f.	\$2.00	\$26,460	
	a. Saw cut asphalt	1,500	l.f.	\$10.00	\$15,000	
3	Removal of curbs along street	597	l.f.	\$5.00	\$2,985	
4	Remove sidewalk in ROW	6,714	s.f.	\$1.70	\$11,414	
5	Re-set storm inlets cover to correct elevation	4	each	\$1,500	\$6,000	
6	Buffalo boxes to new sidewalk elevation				None	
7	Re-set hand hole cover	2	each	\$1,000	\$2,000	
8	Relocate overhead wires or obstructions				None	
9	Remove street light poles and bases w/ wire caps				By others	
02110	Site Clearing					
1	Remove grass area along ROW	4,500	s.f.	\$0.25	\$1,125	
2	Remove signage	1	allow	\$360.00	\$360	
3	Remove paint marking	1	allow	\$560.00	\$560	
02200	Earthwork					
1	Building excavation				See Building Estimate	
2	Dress disturbed areas & grade	21,200	s.f.	\$0.25	\$5,300	
3	Excavation for new curbs	778	l.f.	\$8.00	\$6,224	
4	Canopy footing	30	each	\$150.00	\$4,500	
5	Clock tower foundation footings	4	each	\$250.00	\$1,000	
6	Stone backfill curbs and canopy footing	60	c.y.	\$30.00	\$1,800	
7	Excavate new tree root balls	14	each	\$150.00	\$2,100	
02122	Tree Protection and Trimming					
1	New trees	14	each	\$600.00	\$8,400	
2	Remove trees	12	each	\$350.00	\$4,200	
02286	Topsoil					
	6" topsoil in landscaped areas	130	c.y.	\$26.00	\$3,370	
02511	Hot Mixed Asphalt Paving					
1	3' Asphalt - two lifts of 1-1/2" layers	633	s.y.	\$14.00	\$8,862	
2	12" Stone sub-base	141	c.y.	\$26.00	\$3,666	
3	7" Concrete base under bus turnouts	4,700	s.f.	\$6.00	\$28,200	

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No.	Description	Quantity	Unit	Unit Price	Amount	Total
Canopy - Detailed Breakdown of Costs						
Division Two - Site Work						
02505	Concrete Sidewalks with stone base					
1	Sidewalks along streets ROW	10,700	s.f.	\$6.50	\$69,550	
2	Walks at sanitary line on east side of 20 St.	300	s.f.	\$6.50	\$1,950	
3	Handicapped curb cuts	3	each	\$500.00	\$1,500	
02525	Site Concrete Curbs					
1	Barrier curb at street	778	l.f.	\$18.00	\$14,004	
2	Barrier curb at parking lots	115	l.f.	\$15.00	\$1,725	
02840	Walk, Road, Parking Apparatus					
1	Bus Parking ID signs	6	each	\$500.00	\$3,000	
2	Allowance for City signs				By City	
02580	Pavement Marking					
1	Stall stripping	35	stall	\$25.00	\$875	
2	"Island" stripping	1	each	\$250.00	\$250	
3	ADA stalls				None	
4	City cross walk - repair allowance	3	each	\$1,000.00	\$3,000	
02600	Incoming Water Service					
1	2" domestic water with meter	1	allow	\$5,250.00	\$5,250	
2	4" fire protection main	1	allow	\$9,750.00	\$9,750	
02685	Incoming Natural Gas Service	1	allow	\$3,750.00	\$3,750	
02700	Sanitary Sewer					
1	Sanitary manhole	1	each	\$4,500	\$4,500	
2	Allowance for sanitary sewer pipe	135	l.f.	\$65.00	\$8,775	
3	Connection to existing city manhole	1	each	\$2,000	\$2,000	
02711	Strom water system	1	allow	\$5,250.00	\$5,250	
02830	Decorative Metal Fences and Gates					
1	5' high iron fence	412	l.f.	\$75.00	\$30,900	
02831	Chain link fence				None	
02951	Ground cover					
1	4" deep Bark mulch	778	s.y.	\$6.00	\$4,668	
2	Plantings		s.f.	\$3.75	None Shown	
02952	Trees and Shrubs					
1	Trees	14	each	\$1,500	\$21,000	
2	Shrubs - allowance	1	allow	\$5,000.00	\$5,000	
	Subtotal					\$342,783

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No.	Description	Quantity	Unit	Unit Price	Amount	Total
	Canopy - Detailed Breakdown of Costs					
	Division Three - Concrete					
03300	Cast-In-Place Concrete					
1	Building foundation				See Building Estimate	
2	Canopy foundations					
	a. Canopy footing 4'x4'x1'	30	each	\$500.00	\$15,000	
	b. Column piers 1'-8" x 1'-8" x 7'-0" deep	30	each	\$960.00	\$28,800	
	c. Colored concrete & sand blast finishes	30	each	\$215.00	\$6,450	
3	Clock tower foundation					
	a. Canopy footing 5'x5'x1'-6'	4	each	\$600.00	\$2,400	
	b. Column piers 3'-0" x 3'-0" x 7'-0" deep	4	each	\$1,160.00	\$4,640	
	c. Colored concrete & sand blast finishes	4	each	\$215.00	\$860	
4	Ornamental fence post concrete	48	each	\$50.00	\$2,400	
5	Concrete benches				None Shown	
03302	Light Pole Bases				By Others	
	Subtotal					\$60,550
	Division Four - Masonry					
04000	Masonry				None	
	Subtotal					\$0
	Division Five - Metals					
05100	Structural Steel					
1	Canopy columns structure					
	a. 6"x6"x 3/8" HSS tube	14,602	lbs.	\$2.75	\$40,154	
	b. 3"x 3/8" Stiffeners	2,987	lbs.	\$4.00	\$11,950	
	c. Setting plates with anchor bolts	30	each	\$250.00	\$7,500	
	d. 12"x12"x 3/8" perforated gusset plates	60	each	\$270.00	\$16,200	
	e. 12"x42"x 3/8" perforated gusset plates	60	each	\$480.00	\$28,800	
2	Canopy roof structure					
	a. WF 6x20	30	each	\$1,210.00	\$36,300	
	1. Premium for 6'-6" radius curve	30	each	\$880.00	\$26,400	
	b. WF 8x24 perforated beams	30	each	\$858.00	\$25,740	
	c. Channel 8x18.75	38	tons	\$2,000.00	\$76,125	
	d. Plate connection to beam	90	each	\$160.00	\$14,400	
3	Dormer steel framing	4	allow	\$3,240.00	\$12,960	
4	Clock tower columns					
	a. Setting plate	4	each	\$500.00	\$2,000	
	b. Built up angle & strap columns	4	each	\$18,762.70	\$75,051	
	c. Steel lattice beam allowance	66.7	l.f.	\$150.00	\$10,002	
	d. Bracing beam WF 8x24	1,680	lbs.	\$2.50	\$4,200	
	e. Steel angle "X" bracing	4	each	\$2,880.00	\$11,520	
5	Clock tower roof steel					
	a. Steel frame allowance	289	s.f.	\$50.00	\$14,450	
6	Steel contingency for bracing & angles	10%		\$413,752	\$41,375	
05500	Ornamental Metals				none shown	
	Subtotal					\$455,127

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	Canopy - Detailed Breakdown of Costs					
	Division Six - Wood and Plastics					
06100	Rough Carpentry				None	
06200	Finished Carpentry				None	
	Subtotal					\$0
	Division Seven - Thermal & Moisture Protection					
07210	Building Insulation				N/A	
07610	Sheet Metal Roofing					
1	Standing seam curved Kynar finished roof	13,920	s.f.	\$20.00	\$278,400	
2	Dormer roofs	4	each	\$5,980.00	\$23,920	
3	Clock tower metal roof	625	s.f.	\$25.00	\$15,625	
07900	Allowance for caulking and sealing	2%		\$317,945	\$6,359	
	Subtotal					\$324,304
	Division Eight - Door and Windows					
08400	Aluminum Entrances				None	
08520	Aluminum Windows				None	
	Subtotal					\$0
	Division Nine - Finishes					
09910	Exterior Painting					
1	Paint structural steel					
	a. 20th Street canopy					
	1. 2 man crew at 100' day	48	hours	\$90.00	\$4,320	
	2. Material allowance	60	gallons	\$35.00	\$2,100	
	b. 2nd Avenue canopy					
	1. 2 man crew at 100' day	48	hours	\$90.00	\$4,320	
	2. Material allowance	60	gallons	\$35.00	\$2,100	
	c. Clock tower					
	1. 4 man crew for 3 day	96	hours	\$90.00	\$8,640	
	2. Material allowance	2,900	s.f.	\$0.30	\$870	
	3. Hoist and lifts	3	days	\$400.00	\$1,200	
2	Paint underside of metal roof	14,545	s.f.	\$1.25	\$18,181	
09920	Interior finishes				None	
	Subtotal					\$41,731

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No.	Description	Quantity	Unit	Unit Price	Amount	Total
	Canopy - Detailed Breakdown of Costs					
	Division Ten - Specialties					
10105	Visual Display Board				None	
10210	Louvers					
1	Clock tower louvers	4	each	\$1,140.00	\$4,560	
2	Dormer louvers	8	each	\$1,140.00	\$9,120	
10430	Signage allowance					
1	Station signature signage				By Owner	
2	Metro "M" ID signs	12	each	\$1,500	\$18,000	
3	Bus route signage				By Owner	
4	Advertisement racks				By Owner	
10520	Fire Extinguishers	2	each	\$500.00	\$1,000	
10740	Manufactured Exterior Specialties					
1	Tower Clocks	4	each	\$5,000.00	\$20,000	
2	Fiberglass spire	1	allow	\$800.00	\$800	
10755	Public telephone stands				None	
	Subtotal					\$53,480
	Division Eleven - Furnishing					
11030	Vending Machines				By Owner	
	Subtotal					\$0
	Division Twelve - Equipment					
12650	Trash Receptacle	6	each	\$400.00	\$2,400	
12690	Bike Rack	2	each	\$560.00	\$1,120	
12710	Bench Seating				No exterior seating	
	Subtotal					\$3,520
	Division Thirteen - Special Systems				Division do not apply	
	Subtotal					N/A
	Division Fourteen - Conveying System				Division do not apply	
	Subtotal					N/A
	Division Fifteen - Mechanical					
15200	Plumbing				None	
15400	Fire Protection				None	
15500	Heating and Cooling				None	
	Subtotal					\$0

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No.	Description	Quantity	Unit	Unit Price	Amount	Total
	Terminal / Station - Detailed Breakdown of Costs					
	Division One - General Conditions					
01000	General Condition Allowance	10%		\$553,249	\$55,325	
01740	Bonds and Insurance	1.5%		\$608,574	\$9,129	
	Subtotal					\$64,454
	Division Two - Site Work					
02060	Building demolition (Demo #1)			See Canopy & Street Estimate		
02070	Selective demolition			See Canopy & Street Estimate		
02110	Site Clearing			See Canopy & Street Estimate		
02200	Earthwork					
1	Building excavation	120	c.y.	\$18.00	\$2,160	
2	Stone backfill	90	c.y.	\$30.00	\$2,700	
3	Allowance for thicken interior slab	60	l.f.	\$20.00	\$1,200	
4	Disposal of excess material	30	c.y.	\$24.00	\$720	
02122	Tree Protection and Trimming			See Canopy & Street Estimate		
02511	Hot Mixed Asphalt Paving			See Canopy & Street Estimate		
02505	Concrete Sidewalks with stone base			See Canopy & Street Estimate		
02700	Sewerage & drainage			See Canopy & Street Estimate		
02870	Site / Street Furnishings			See Canopy & Street Estimate		
02951	Ground cover			See Canopy & Street Estimate		
02952	Trees and Shrubs			See Canopy & Street Estimate		
	Subtotal					\$6,780
	Division Three - Concrete					
03300	Cast-In-Place Concrete					
1	Building Foundation	202	l.f.	\$83.61	\$16,889	
2	5" Slab on Grade w/ vapor barrier	2,325	s.f.	\$3.25	\$7,556	
3	6" Stone sub-base	44	c.y.	\$30.00	\$1,320	
4	Allowance for thicken slab at CMU walls	60	l.f.	\$25.00	\$1,500	
5	Column pad & piers at bar joists (SE elevation)	6	each	\$800	\$4,800	
03302	Light Pole Bases				By Others	
	Subtotal					\$32,065
	Division Four - Masonry					
04222	Concrete Masonry Units					
1	Lobby - 4" back up for face brick	750	s.f.	\$6.00	\$4,500	
2	Toilet Rooms - 6" CMU to 9.5" high	1,596	s.f.	\$8.00	\$12,768	
04300	Masonry brick					
1	Insulated cavity wall on 6" CMU back-up	1,276	s.f.	\$35.00	\$44,660	
2	Reinforce wall under bar joists	6	each	\$140.00	\$840	
3	Face brick veneer at Lobby	750	s.f.	\$14.00	\$10,500	
	Subtotal					\$73,268

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	Terminal / Station - Detailed Breakdown of Costs					
	Division Five - Metals					
05100	Structural Steel					
1	Roof structure - long span bar joists	6	each	\$3,465	\$20,790	
2	18 Gauge - 1-1/2" roof deck primed	2,712	s.f.	\$2.25	\$6,102	
3	Column support in SE wall at roof joists	6	each	\$800.00	\$4,800	
4	Roof edge angle allowance	300	l.f.	\$12.00	\$3,600	
05500	Ornamental Metals					
1	Interior Metro Kiosk					
	a. 4x4x tubes	1,585	lbs.	\$4.00	\$6,341	
	b. Setting plate & anchor bolts	5	each	\$250.00	\$1,250	
	c. Decorative metal panels	7	each	\$250.00	\$1,750	
	Subtotal					\$44,633
	Division Six - Wood and Plastics					
06100	Rough Carpentry					
1	Steel framing for exterior fascia & soffit	130	l.f.	\$10.00	\$1,300	
06200	Finished Carpentry					
1	Pamphlet rack				None	
2	Bulletin board				None	
	Subtotal					\$1,300
	Division Seven - Thermal & Moisture Protection					
07210	Building Insulation					
1	Batt insulation above window wall at soffit	325	s.f.	\$6.50	\$2,113	
2	Cavity wall insulation			Included with wall system cost		
07300	Roofing					
1	EDPM roof with 4" Poly ISO	2,712	s.f.	\$18.00	\$48,816	
07620	Sheetmetal flashing & trim					
1	Aluminum fascia	325	s.f.	\$15.00	\$4,875	
2	Aluminum soffit	243	s.f.	\$8.00	\$1,944	
3	Gravel stop at masonry walls	87	l.f.	\$6.00	\$522	
07900	Allowance for caulking and sealing	1	allow	\$500.00	\$500	
	Subtotal					\$58,770
	Division Eight - Openings					
08100	Hollow Metal Doors and Frames					
1	Exterior HM door with weather stripping	1	each	\$1,100.00	\$1,100	
08200	Wood SCD with HM frames					
1	Toilet Room doors	2	each	\$975.00	\$1,950	
2	Mechanical Room & Storage doors	2	each	\$950.00	\$1,900	
08400	Aluminum Entrances					
1	Aluminum exterior doors	2	each	\$2,200	\$4,400	
2	Interior vestibule doors	2	each	\$1,800	\$3,600	
08700	ADA operator	6	each	\$4,000	\$24,000	
08910	Aluminum Storefront - 6" profiles w/ Kynar finish					
1	Exterior glazed wall thermo broken	1,589	s.f.	\$42.00	\$66,738	
2	Interior vestibule walls	187	s.f.	\$35.00	\$6,552	
	Subtotal					\$110,240

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Terminal / Station - Detailed Breakdown of Costs						
Division Nine - Finishes						
09512	Acoustical Ceiling Tile					
1	2x2 Tegular edges	1,691	s.f	\$3.25	\$5,496	
09330	Porcelain Tile - Lobby					
1	12" x 12" porcelain tile flooring	1,370	s.f	\$12.00	\$16,440	
2	Tile base	171	l.f.	\$12.00	\$2,052	
09310	Ceramic tile in Toilet rooms					
1	Ceramic tile flooring	322	s.f	\$10.00	\$3,220	
2	Tile base	168	l.f.	\$12.00	\$2,016	
3	6" high wainscot	1,008	s.f	\$8.00	\$8,064	
09910	Exterior Painting					
1	Allowance	1	allow	\$500.00	\$500	
09920	Interior finishes					
1	Block filler & 2 coats latex on CMU	1,428	s.f	\$0.85	\$1,214	
2	Epoxy paint CMU walls in Toilet Rooms	1,002	s.f.	\$1.20	\$1,202	
3	Paint exterior HM door & frame	1	allow	\$85.00	\$85	
4	Paint HM frame at SCWD doors	4	each	\$65.00	\$260	
5	Paint Kiosk steel framing	1	allow	\$1,280.00	\$1,280	
6	Miscellaneous caulking	1	allow	\$200.00	\$200	
	Subtotal					\$42,029
Division Ten - Specialties						
10105	Polytech information Board at Kiosk	1	allow	\$6,000.00	\$6,000	
10210	Toilet Partitions - Solid Plastic					
1	ADA stall door	2	each	\$600.00	\$1,200	
2	Standard stall door	1	each	\$400.00	\$400	
10280	Toilet Accessories					
1	Grad bar sets	2	each	\$350.00	\$700	
2	Mirror	2	each	\$300.00	\$600	
3	Toilet paper holder	3	each	\$50.00	\$150	
4	Sanitary napkin disposal	2	each	\$75.00	\$150	
5	Soap dispensers	2	each	\$35.00	\$70	
6	Paper towel dispenser / trash	2	each	\$250.00	\$500	
7	Electric hand dryers				None	
10430	Interior Signage allowance					
1	Station ID Signs				By Owner	
2	Kiosk's logo "M"	1	allow	\$500	\$500	
3	Kiosk's glass encased bulletin board	1	allow	\$500	\$500	
4	Advertisement displays				None	
10520	Fire Extinguishers	2	each	\$500.00	\$1,000	
10755	Telephone stands				None	
	Subtotal					\$11,770
Division Eleven - Furnishing						
	Subtotal				FF&E by Owner	\$0

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	Terminal / Station - Detailed Breakdown of Costs					
	Division Twelve - Equipment					
12650	Trash Receptacle	2	each	\$250.00	\$500	
12690	Floor Mats & Frames	2	each	\$1,125.00	\$2,250	
12710	Wausau precast Bench Seating	4	each	\$790.00	\$3,160	
	Subtotal					\$5,910
	Division Thirteen - Special Construction				Division do not apply	N/A
	Division Fourteen - Conveying System				Division do not apply	N/A
	Subtotal					N/A
	Division Fifteen - Mechanical					
15200	Plumbing					
1	Floor drain	5	allow	\$500.00	\$2,500	
2	Mat drains	2	each	\$450.00	\$900	
3	Roof and storm drainage	2,325	s.f.	\$1.75	\$4,069	
4	Clean outs	5	each	\$250.00	\$1,250	
5	Backflow valve and incoming service connections	1	allow	\$5,000	\$5,000	
6	Domestic hot water heaters	2	each	\$600	\$1,200	
7	Sanitary piping and vents	2,325	s.f.	\$3.50	\$8,138	
8	Plumbing fixtures					
	a. ADA toilets	2	each	\$1,100.00	\$2,200	
	b. Standard toilet	1	each	\$1,000.00	\$1,000	
	c. Wall hung lavatories	2	each	\$800.00	\$1,600	
	d. Urinal	1	each	\$1,050.00	\$1,050	
	e. Dual EWC	1	each	\$1,400.00	\$1,400	
	f. Mop basin	1	each	\$600.00	\$600	
15400	Fire Protection	2,315	s.f.	\$4.00	\$9,260	
15500	Heating Vent and Air Conditioning					
1	HVAC allowance	2,325	s.f.	\$28.00	\$65,100	
2	Toilet exhaust	1	allow	\$800.00	\$800	
3	Gas piping allowance	1	allow	\$920	\$920	
4	Temperature controls	1	allow	\$2,500.00	\$2,500	
	Subtotal					\$109,486

ESTIMATE

STR CONSULTING

350 West Ontario Street, Suite 200
Chicago, Illinois 60654

Project: Transit Transfer Station Improvement
 Location: 2nd Avenue and 20th Street, Rock Island, Illinois
 Owner: _____
 Architect: _____

Date: April 5, 2011
 Estimate Type: Design Development
 STRC File Name: ample.xls|Terminal&Station

No.	Description	Quantity	Unit	Unit Price	Amount	Total
	Terminal / Station - Detailed Breakdown of Costs					
	Division Sixteen - Electrical					
16140	Wiring Devices					
1	Weatherproof GFI outlets	12	each	\$250	\$3,000	
2	Hook up of MEP equipment	6	allow	\$450	\$2,700	
3	Power to message board	1	allow	\$450	\$450	
4	Low voltage for ADA door operators	3	location	\$480	\$1,440	
16140	Motors, Starters, Boards, & Switches					
1	Secondary services and panels	1	allow	\$10,000	\$10,000	
2	Meter and socket	1	allow	\$1,200	\$1,200	
16510	Lighting					
1	General lighting allowance	2,325	s.f.	\$6.00	\$13,950	
2	Lighting to signs	3	each	\$500.00	\$1,500	
16520	Exterior Lighting			See Canopy & Street Estimate		
1	Entry lights in soffit - allowance	8	allow	\$500	\$4,000	
2	Landscape lights & accent				None	
3	Parking Lot			See Canopy & Street Estimate		
4	Canopy lights			See Canopy & Street Estimate		
16730	Clocks					
1	Allowance for clocks in Tower			See Canopy & Street Estimate		
2	Control wiring for clocks	1	allow	\$2,520.00	\$2,520	
16721	Fire Alarm System					
1	Fire alarm	2,325	s.f.	\$1.50	\$3,488	
2	Pull stations	3	each	\$500.00	\$1,500	
16726	Sound System					
1	Public address allowance	1	allow	\$5,000	\$5,000	
16775	CCTV system					
1	General Building allowance	2,325	s.f.	\$2.00	\$4,650	
16813	Electrical Heat					
1	Vestibule heaters	2	each	\$800.00	\$1,600	
	Subtotal	2,325	s.f.	\$24.52		\$56,998
	Division Seventeen - Communication					
17000	Data and communications to building	1	allow	\$2,500.00	\$2,500	
	Subtotal	2,325	s.f.	\$1.08		\$2,500