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City of Madison

State Street Campus Garage Mixed-Use Phase 1

415 N. Lake St.
Madison, WI 53715

DD Estimate

September 29, 2023

Project: 2022A245

Prepared For:

Eppstein Uhen Architects
333 E. Chicago St.
Milwaukee, WI 53202

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NOTES REGARDING PREPARATION OF ESTIMATE

This estimate was prepared based on the following documents provided by Eppstein Uhen Architects:

1. Phase 1 DD Drawings dated July 28, 2023.
2. Phase 1 DD Project Manual dated July 28, 2023.
3. Phase 1 DD Landscape Drawings dated August 2, 2023.
4. Information regarding the project was also obtained via meetings, phone conversations, and email messages that clarified the project scope.

BIDDING PROCESS - MARKET CONDITIONS

This document is based on the measurement and pricing of quantities wherever information is provided and/or reasonable assumptions for other work not covered in the drawings or specifications, as stated within this document. Unit rates have been generated from current material/labor rates, historical production data, and discussions with relevant subcontractors and material suppliers. The unit rates reflect current bid costs in the area. All unit rates relevant to subcontractor work include the subcontractors overhead and profit unless otherwise stated.

Pricing reflects probable construction costs obtainable in the Madison, Wisconsin area on the bid date. This estimate is a determination of fair market value for the construction of this project. It is not a prediction of low bid. Pricing assumes competitive bidding for every portion of the construction work for all subcontractors with a minimum of 3 bidders for all items of subcontracted work and a with a minimum of 3 bidders for a general contractor. Experience indicates that a fewer number of bidders may result in higher bids, conversely an increased number of bidders may result in more competitive bids.

Since The Concord Group has no control over the cost of labor, material, equipment, or over the contractor's method of determining prices, or over the competitive bidding or market conditions at the time of bid, this statement of probable construction cost is based on industry practice, professional experience and qualifications, and represents The Concord Group's best judgment as professional construction cost consultants familiar with the construction industry. However, The Concord Group cannot and does not guarantee that the proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by them.

CURRENT MARKET CONDITIONS

It should be noted that there is ongoing volatility in the construction materials market due to the effects of the pandemic on both the production and supply of materials. Due to the lack of in stock materials suppliers are struggling to fulfill orders in a timely manner, which in turn leads to much longer than normal lead times. The impact of ongoing global raw material shortages and fuel price increases adds to the overall spike in material pricing coupled with the increased demand for construction that the construction industry is now seeing. These factors should be considered when determining the bidding strategy and schedule for projects.

ASSUMED CONSTRUCTION PARAMETERS

The pricing is based on the following project parameters:

1. A bid opening date of November 9, 2023.
2. A substantial completion date of June 30, 2025.
3. The contract will be competitively bid to multiple contractors.
4. All contractors will not be required to pay prevailing wages.
5. There are phasing requirements.
6. Contractor will be required to allow for some final coordination & inspections that occur in 2026 with Phase 2.
7. The contractors will have full access to the site during normal working hours
8. Estimate detail includes pricing as of September 2023.



EXCLUSIONS

The following are excluded from the cost of this estimate:

1. Professional Design Fees
2. Testing Fees
3. Owner Contingencies/Scope Changes
4. Premium Time / Restrictions on Contractor Working Hours
5. Cost Escalation Beyond a Construction Mid-Point Date of August 2024
6. Finance and Legal Charges
7. Environmental Abatement Costs
8. Temporary Owner Facilities
9. Moisture Mitigation
10. Stair 2 (Shaft Included)
11. Buildout of Residential Units (By Others in Phase 2)
12. Buildout of Ground Floor Amenities (By Others in Phase 2)
13. Paint/Finish at Exposed Ceiling Structure
14. Equipment (Owner Furnished/Installed)
15. Exterior Building Signage
16. Parking Gates/Equipment
17. Loose Furniture
18. Artwork
19. Residential Units Central Elevators (By Others in Phase 2)
20. Third Party Commissioning
21. Service Feeder for Phase 2 House Switchboard
22. Contaminated Soil Removal
23. Structurally Unsuitable Soil Removal
24. Landscape Irrigation
25. Phase 2 Development
26. Unforeseen Future Cost Impacts Based on Supply Chain Impacts

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COST SUMMARY	GFA SF	\$/SF	BUILDING TOTAL
SITE PREPARATION & DEVELOPMENT	N/A	N/A	\$2,974,192
SITE FINISHING INSIDE CURB LINE AT LAKE ST	N/A	N/A	\$260,454
CITY PARKING GARAGE & BUS TERMINAL	284,726	\$157.33	\$44,796,062
GROUND FLOOR WEST FAÇADE	N/A	N/A	\$986,260
LEVEL 2 THRU LEVEL 6 WEST FAÇADE	N/A	N/A	\$2,168,384
HOUSING STAIR SHAFTS 2, 4 & 5 INCLUDING STAIRS 4 & 5	N/A	N/A	\$1,178,643
STAIRS 1 & 3 STANDPIPES	N/A	N/A	\$63,299
TOTAL ESTIMATED CONSTRUCTION COSTS	284,726	\$184.13	\$52,427,295
BPW CONTINGENCY	8.00%	\$14.73	\$4,192,640
TOTAL ESTIMATED CONSTRUCTION COSTS	284,726	\$198.86	\$56,619,935

ALTERNATES INCLUDING MARKUPS

Alternate #1: Install Four (4) Bridges to Lake St Garage **ADD** \$375,638

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SITE PREPARATION & DEVELOPMENT		N/A GSF	\$/SF	BUILDING TOTAL
01000	GENERAL REQUIREMENTS			\$0
02000	EXISTING CONDITIONS			\$1,880,789
03000	CONCRETE			\$0
04000	MASONRY			\$0
05000	METALS			\$0
06000	WOODS, PLASTICS & COMPOSITES			\$0
07000	THERMAL & MOISTURE PROTECTION SYSTEM			\$0
08000	OPENINGS			\$0
09000	FINISHES			\$0
10000	SPECIALTIES			\$0
11000	EQUIPMENT			\$0
12000	FURNISHINGS			\$0
13000	SPECIAL CONSTRUCTION			\$0
14000	CONVEYING EQUIPMENT			\$0
21000	FIRE SUPPRESSION			\$0
22000	PLUMBING			\$0
23000	HEATING, VENTILATING & AIR CONDITIONING			\$0
26000	ELECTRICAL			\$0
27000	COMMUNICATIONS			\$0
28000	ELECTRONIC SAFETY AND SECURITY			\$0
31000	EARTHWORK			\$53,528
32000	EXTERIOR IMPROVEMENTS			\$46,341
33000	UTILITIES			\$309,092
SUBTOTAL				\$2,289,750
	DESIGN CONTINGENCY	6.00%		\$137,385
	GENERAL CONDITIONS/BOND/INSURANCE	9.25%		\$224,510
	CONTRACTOR'S FEES	4.00%		\$106,066
	ESCALATION TO MID-POINT OF CONSTRUCTION	7.85%		\$216,480
TOTAL ESTIMATED BID				\$2,974,192
	BPW CONTINGENCY	8.00%		\$237,935
TOTAL ESTIMATED CONSTRUCTION COSTS				\$3,212,127

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SITE FINISHING INSIDE CURB LINE AT LAKE ST		N/A GSF	\$/SF	BUILDING TOTAL
01000	GENERAL REQUIREMENTS			\$0
02000	EXISTING CONDITIONS			\$0
03000	CONCRETE			\$0
04000	MASONRY			\$0
05000	METALS			\$0
06000	WOODS, PLASTICS & COMPOSITES			\$0
07000	THERMAL & MOISTURE PROTECTION SYSTEM			\$0
08000	OPENINGS			\$0
09000	FINISHES			\$0
10000	SPECIALTIES			\$0
11000	EQUIPMENT			\$0
12000	FURNISHINGS			\$0
13000	SPECIAL CONSTRUCTION			\$0
14000	CONVEYING EQUIPMENT			\$0
21000	FIRE SUPPRESSION			\$0
22000	PLUMBING			\$0
23000	HEATING, VENTILATING & AIR CONDITIONING			\$0
26000	ELECTRICAL			\$0
27000	COMMUNICATIONS			\$0
28000	ELECTRONIC SAFETY AND SECURITY			\$0
31000	EARTHWORK			\$2,337
32000	EXTERIOR IMPROVEMENTS			\$183,327
33000	UTILITIES			\$0
SUBTOTAL				\$185,664
	DESIGN CONTINGENCY	6.00%		\$11,140
	GENERAL CONDITIONS/BOND/INSURANCE	9.25%		\$18,204
	CONTRACTOR'S FEES	4.00%		\$8,600
	ESCALATION TO MID-POINT OF CONSTRUCTION	7.85%		\$17,553
TOTAL ESTIMATED BID				\$241,161
	BPW CONTINGENCY	8.00%		\$19,293
TOTAL ESTIMATED CONSTRUCTION COSTS				\$260,454

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CITY PARKING GARAGE & BUS TERMINAL		284,726 GSF	\$/SF	BUILDING TOTAL
01000	GENERAL REQUIREMENTS		\$0.00	\$0
02000	EXISTING CONDITIONS		\$0.00	\$0
03000	CONCRETE		\$53.80	\$15,318,679
04000	MASONRY		\$7.96	\$2,266,966
05000	METALS		\$5.15	\$1,466,135
06000	WOODS, PLASTICS & COMPOSITES		\$1.03	\$294,106
07000	THERMAL & MOISTURE PROTECTION SYSTEM		\$3.96	\$1,128,011
08000	OPENINGS		\$2.88	\$820,748
09000	FINISHES		\$6.47	\$1,843,298
10000	SPECIALTIES		\$0.87	\$248,730
11000	EQUIPMENT		\$0.18	\$50,000
12000	FURNISHINGS		\$0.00	\$0
13000	SPECIAL CONSTRUCTION		\$0.11	\$30,000
14000	CONVEYING EQUIPMENT		\$3.42	\$975,000
21000	FIRE SUPPRESSION		\$3.04	\$866,309
22000	PLUMBING		\$3.79	\$1,078,697
23000	HEATING, VENTILATING & AIR CONDITIONING		\$7.94	\$2,261,630
26000	ELECTRICAL		\$7.63	\$2,173,482
27000	COMMUNICATIONS		\$0.32	\$92,500
28000	ELECTRONIC SAFETY AND SECURITY		\$1.70	\$484,297
31000	EARTHWORK		\$10.85	\$3,088,700
32000	EXTERIOR IMPROVEMENTS		\$0.00	\$0
33000	UTILITIES		\$0.00	\$0
SUBTOTAL			\$121.12	\$34,487,288
	DESIGN CONTINGENCY	6.00%	\$7.27	\$2,069,237
	GENERAL CONDITIONS/BOND/INSURANCE	9.25%	\$11.88	\$3,381,479
	CONTRACTOR'S FEES	4.00%	\$5.61	\$1,597,520
	ESCALATION TO MID-POINT OF CONSTRUCTION	7.85%	\$11.45	\$3,260,539
TOTAL ESTIMATED BID			\$157.33	\$44,796,062
	BPW CONTINGENCY	8.00%	\$12.59	\$3,583,685
TOTAL ESTIMATED CONSTRUCTION COSTS			\$169.92	\$48,379,747

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GROUND FLOOR WEST FAÇADE		N/A GSF	\$/SF	BUILDING TOTAL
01000	GENERAL REQUIREMENTS			\$0
02000	EXISTING CONDITIONS			\$0
03000	CONCRETE			\$0
04000	MASONRY			\$23,795
05000	METALS			\$63,653
06000	WOODS, PLASTICS & COMPOSITES			\$5,974
07000	THERMAL & MOISTURE PROTECTION SYSTEM			\$453,591
08000	OPENINGS			\$199,370
09000	FINISHES			\$12,912
10000	SPECIALTIES			\$0
11000	EQUIPMENT			\$0
12000	FURNISHINGS			\$0
13000	SPECIAL CONSTRUCTION			\$0
14000	CONVEYING EQUIPMENT			\$0
21000	FIRE SUPPRESSION			\$0
22000	PLUMBING			\$0
23000	HEATING, VENTILATING & AIR CONDITIONING			\$0
26000	ELECTRICAL			\$0
27000	COMMUNICATIONS			\$0
28000	ELECTRONIC SAFETY AND SECURITY			\$0
31000	EARTHWORK			\$0
32000	EXTERIOR IMPROVEMENTS			\$0
33000	UTILITIES			\$0
SUBTOTAL				\$759,295
	DESIGN CONTINGENCY	6.00%		\$45,558
	GENERAL CONDITIONS/BOND/INSURANCE	9.25%		\$74,449
	CONTRACTOR'S FEES	4.00%		\$35,172
	ESCALATION TO MID-POINT OF CONSTRUCTION	7.85%		\$71,786
TOTAL ESTIMATED BID				\$986,260
	BPW CONTINGENCY	8.00%		\$78,901
TOTAL ESTIMATED CONSTRUCTION COSTS				\$1,065,161

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LEVEL 2 THRU LEVEL 6 WEST FAÇADE		N/A GSF	\$/SF	BUILDING TOTAL
01000	GENERAL REQUIREMENTS			\$0
02000	EXISTING CONDITIONS			\$0
03000	CONCRETE			\$0
04000	MASONRY			\$454,587
05000	METALS			\$267,072
06000	WOODS, PLASTICS & COMPOSITES			\$35,276
07000	THERMAL & MOISTURE PROTECTION SYSTEM			\$217,750
08000	OPENINGS			\$618,452
09000	FINISHES			\$76,244
10000	SPECIALTIES			\$0
11000	EQUIPMENT			\$0
12000	FURNISHINGS			\$0
13000	SPECIAL CONSTRUCTION			\$0
14000	CONVEYING EQUIPMENT			\$0
21000	FIRE SUPPRESSION			\$0
22000	PLUMBING			\$0
23000	HEATING, VENTILATING & AIR CONDITIONING			\$0
26000	ELECTRICAL			\$0
27000	COMMUNICATIONS			\$0
28000	ELECTRONIC SAFETY AND SECURITY			\$0
31000	EARTHWORK			\$0
32000	EXTERIOR IMPROVEMENTS			\$0
33000	UTILITIES			\$0
SUBTOTAL				\$1,669,381
	DESIGN CONTINGENCY	6.00%		\$100,163
	GENERAL CONDITIONS/BOND/INSURANCE	9.25%		\$163,683
	CONTRACTOR'S FEES	4.00%		\$77,329
	ESCALATION TO MID-POINT OF CONSTRUCTION	7.85%		\$157,829
TOTAL ESTIMATED BID				\$2,168,384
	BPW CONTINGENCY	8.00%		\$173,471
TOTAL ESTIMATED CONSTRUCTION COSTS				\$2,341,855

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HOUSING STAIR SHAFTS 2, 4 & 5 INCLUDING STAIRS 4 & 5		N/A GSF	\$/SF	BUILDING TOTAL
01000	GENERAL REQUIREMENTS			\$0
02000	EXISTING CONDITIONS			\$0
03000	CONCRETE			\$83,609
04000	MASONRY			\$361,749
05000	METALS			\$237,442
06000	WOODS, PLASTICS & COMPOSITES			\$0
07000	THERMAL & MOISTURE PROTECTION SYSTEM			\$0
08000	OPENINGS			\$184,389
09000	FINISHES			\$40,217
10000	SPECIALTIES			\$0
11000	EQUIPMENT			\$0
12000	FURNISHINGS			\$0
13000	SPECIAL CONSTRUCTION			\$0
14000	CONVEYING EQUIPMENT			\$0
21000	FIRE SUPPRESSION			\$0
22000	PLUMBING			\$0
23000	HEATING, VENTILATING & AIR CONDITIONING			\$0
26000	ELECTRICAL			\$0
27000	COMMUNICATIONS			\$0
28000	ELECTRONIC SAFETY AND SECURITY			\$0
31000	EARTHWORK			\$0
32000	EXTERIOR IMPROVEMENTS			\$0
33000	UTILITIES			\$0
SUBTOTAL				\$907,406
	DESIGN CONTINGENCY	6.00%		\$54,444
	GENERAL CONDITIONS/BOND/INSURANCE	9.25%		\$88,971
	CONTRACTOR'S FEES	4.00%		\$42,033
	ESCALATION TO MID-POINT OF CONSTRUCTION	7.85%		\$85,789
TOTAL ESTIMATED BID				\$1,178,643
	BPW CONTINGENCY	8.00%		\$94,291
TOTAL ESTIMATED CONSTRUCTION COSTS				\$1,272,935

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STAIRS 1 & 3 STANDPIPES		N/A GSF	\$/SF	BUILDING TOTAL
01000	GENERAL REQUIREMENTS			\$0
02000	EXISTING CONDITIONS			\$0
03000	CONCRETE			\$0
04000	MASONRY			\$0
05000	METALS			\$0
06000	WOODS, PLASTICS & COMPOSITES			\$0
07000	THERMAL & MOISTURE PROTECTION SYSTEM			\$0
08000	OPENINGS			\$0
09000	FINISHES			\$0
10000	SPECIALTIES			\$0
11000	EQUIPMENT			\$0
12000	FURNISHINGS			\$0
13000	SPECIAL CONSTRUCTION			\$0
14000	CONVEYING EQUIPMENT			\$0
21000	FIRE SUPPRESSION			\$48,732
22000	PLUMBING			\$0
23000	HEATING, VENTILATING & AIR CONDITIONING			\$0
26000	ELECTRICAL			\$0
27000	COMMUNICATIONS			\$0
28000	ELECTRONIC SAFETY AND SECURITY			\$0
31000	EARTHWORK			\$0
32000	EXTERIOR IMPROVEMENTS			\$0
33000	UTILITIES			\$0
SUBTOTAL				\$48,732
	DESIGN CONTINGENCY	6.00%		\$2,924
	GENERAL CONDITIONS/BOND/INSURANCE	9.25%		\$4,778
	CONTRACTOR'S FEES	4.00%		\$2,257
	ESCALATION TO MID-POINT OF CONSTRUCTION	7.85%		\$4,607
TOTAL ESTIMATED BID				\$63,299
	BPW CONTINGENCY	8.00%		\$5,064
TOTAL ESTIMATED CONSTRUCTION COSTS				\$68,363

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City of Madison
 State Street Campus Garage Mixed-Use
 Phase 1
 DD Estimate
 09/29/2023

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
BASE BID				
SITE PREPARATION & DEVELOPMENT				
02000 EXISTING CONDITIONS				
02300 Building Demolition				
Demolish 4 story parking garage w/ basement	230,600	SQFT	7.93	1,827,713
Remove parking garage bridge/building connection	5,268	SQFT	10.08	53,076
Subtotal: Building Demolition				\$1,880,789
TOTAL: EXISTING CONDITIONS				\$1,880,789
31000 EARTHWORK				
31200 Site Grading				
Site grading	10,205	SQFT	0.83	8,520
Subtotal: Site Grading				\$8,520
31600 Erosion & Sedimentation Control				
Silt fence	540	LNFT	4.90	2,648
Inlet protection	10	EACH	279.81	2,798
Subtotal: Erosion & Sedimentation Control				\$5,446
31800 Site Demolition				
Remove tree & grate	2	EACH	1,339.57	2,679
Remove gate	1	EACH	1,574.93	1,575
Sawcut & remove asphalt street pavement & base	1,454	SQFT	2.95	4,292
Remove concrete sidewalk & base	4,151	SQFT	3.32	13,763
Remove curb and gutter	529	LNFT	8.59	4,542
Remove fence	141	LNFT	15.33	2,162
Remove guardrail	286	LNFT	24.04	6,875
Remove pole mounted signage	2	EACH	162.26	325
Remove light pole	5	EACH	669.79	3,349
Subtotal: Site Demolition				\$39,562
TOTAL: EARTHWORK				\$53,528
32000 EXTERIOR IMPROVEMENTS				
32100 Pavement				
Striping, arrow	3	EACH	296.54	890
Aggregate base	65	CUYD	102.02	6,631
Asphalt pavement, 1.75" surface course on 2.25" base course	1,883	SQFT	9.05	17,045
Concrete curb & gutter	158	LNFT	25.24	3,989
Concrete curb & gutter, depressed	108	LNFT	27.84	3,007
Concrete walk, 5" thk	43	SQFT	6.69	288
Concrete drive, 7" thk	1,274	SQFT	8.27	10,538
Subtotal: Pavement				\$42,386
32700 Site Furnishings				
Bollards	3	EACH	1,318.19	3,955
Subtotal: Site Furnishings				\$3,955



City of Madison
 State Street Campus Garage Mixed-Use
 Phase 1

DD Estimate
 09/29/2023

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
TOTAL: EXTERIOR IMPROVEMENTS				\$46,341
33000 UTILITIES				
33100 Selective Site Demolition				
Excavate, cut, and plug sanitary lateral, and backfill	5	EACH	9,195.80	45,979
Shutoff water services; excavate, cut, and cap, and backfill	5	EACH	9,195.80	45,979
Subtotal: Selective Site Demolition				\$91,958
33200 Site Water Service				
Domestic water service pipe and fittings, DIP, 8"	60	LNFT	61.55	3,693
Domestic water service pipe and fittings, DIP, 6"	60	LNFT	42.01	2,521
Gate valve, 8"	1	EACH	2,050.00	2,050
Gate valve, 6"	1	EACH	1,529.20	1,529
Valve vault	2	EACH	12,525.82	25,052
Thrust blocks	1	LSUM	3,596.16	3,596
Trench excavation, pipe bedding, and backfill - water	120	LNFT	63.91	7,669
Coordinate water main tap with local municipality	1	LSUM	2,596.16	2,596
Line flushing, cleaning, and testing	1	LSUM	3,245.20	3,245
Subtotal: Site Water Service				\$51,951
33300 Site Sanitary & Storm Sewer				
PVC storm sewer pipe, 10"	48	LNFT	35.71	1,714
PVC sanitary sewer pipe, 15"	35	LNFT	66.47	2,326
Connect new sewer to existing	2	EACH	1,889.16	3,778
Demo and repair existing pavement at connection to existing UG utility	2	LSUM	6,117.88	12,236
Trench excavation, pipe bedding, and backfill - storm and sanitary	83	LNFT	76.08	6,315
Line flushing, cleaning, and testing	1	LSUM	1,966.79	1,967
Subtotal: Site Sanitary & Storm Sewer				\$28,336
33400 Natural Gas Service				
Coordinate gas meter removal with local utility	1	LSUM	1,966.79	1,967
Subtotal: Natural Gas Service				\$1,967
33800 Site Electrical				
Utility company provisions and coordination - Transformer service	2	LSUM	8,600.00	17,200
Cut and make safe electrical and low voltage services	1	EACH	13,578.46	13,578
Electrical and low voltage provisions to accommodate new building	1	EACH	90,523.08	90,523
Coordination with utility companies	1	EACH	13,578.46	13,578
Subtotal: Site Electrical				\$134,880
TOTAL: UTILITIES				\$309,092
TOTAL: SITE PREPARATION & DEVELOPMENT				\$2,289,750



DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
SITE FINISHING INSIDE CURB LINE AT LAKE ST				
31000 EARTHWORK				
31100 Site Preparation & Excavation				
Excavate for structural cells	43	CUYD	13.26	570
Haul off excavated material as CCDD, structural cells	43	CUYD	41.08	1,766
Subtotal: Site Preparation & Excavation				\$2,337
TOTAL: EARTHWORK				\$2,337
32000 EXTERIOR IMPROVEMENTS				
32100 Pavement				
Aggregate base	81	CUYD	102.02	8,264
Concrete curb & gutter	191	LNFT	25.24	4,822
Concrete curb & gutter, depressed	77	LNFT	27.84	2,144
Concrete walk, 5" thk	4,087	SQFT	6.69	27,332
Concrete drive, 7" thk	1,414	SQFT	8.27	11,695
Extra for stained concrete	381	SQFT	7.21	2,747
Extra for forming ADA sidewalk ramp	4	EACH	594.20	2,377
Subtotal: Pavement				\$59,381
32600 Landscaping				
Trees, deciduous, 2-1/2" cal, B&B	5	EACH	1,291.26	6,456
Grasses/perennials, 1 gal	64	EACH	41.49	2,655
Planting soil	33	CUYD	167.65	5,532
Structural cells	560	SQFT	26.70	14,953
Subtotal: Landscaping				\$29,597
32700 Site Furnishings				
Bench type A	2	EACH	7,777.28	15,555
Planter type A	4	EACH	2,485.80	9,943
Planter type B	5	EACH	8,277.28	41,386
Bike rack, floor mounted	32	EACH	394.32	12,618
Tree grate, 4'-0"x8'-0"	5	EACH	2,969.24	14,846
Subtotal: Site Furnishings				\$94,349
TOTAL: EXTERIOR IMPROVEMENTS				\$183,327
TOTAL: SITE FINISHING INSIDE CURB LINE AT LAKE ST				\$185,663

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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
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CITY PARKING GARAGE & BUS TERMINAL

03000 CONCRETE

03100 Concrete Formwork

Formwork for strip footings	1,604	SQFT	13.03	20,897
Formwork for isolated column footings	13,966	SQFT	14.84	207,253
Formwork for mat foundations	4,542	SQFT	20.44	92,842
Formwork for elevator pit walls	1,428	SQFT	21.13	30,174
Formwork for foundation walls	8,571	SQFT	17.40	149,173
Formwork for basement walls	25,832	SQFT	18.28	472,093
Formwork for elevated post-tensioned slab	286,752	SQFT	11.07	3,175,721
Formwork for suspended beams	10,933	SQFT	19.08	208,564
Formwork for shear walls	24,956	SQFT	20.78	518,473
Formwork for columns	54,342	SQFT	14.03	762,581
Formwork for elevated slab	2,458	SQFT	11.07	27,222
Formwork for retaining/vault walls	3,417	SQFT	18.28	62,447
Form/box out openings in shear walls	366	SQFT	39.05	14,293

Subtotal: Concrete Formwork \$5,741,734

03200 Concrete Reinforcement

Reinforcement in strip footings	3,326	LBS	1.91	6,345
Reinforcement in isolated column footings	150,261	LBS	1.86	279,966
Reinforcement in mat foundations	164,455	LBS	1.81	297,137
Reinforcement in elevator pit walls	1,638	LBS	3.01	4,938
Reinforcement in foundation walls	12,913	LBS	2.90	37,426
Reinforcement in basement walls	42,118	LBS	2.05	86,237
Reinforcement in suspended beams, avg 165 lbs/cy	101,970	LBS	2.23	226,955
Reinforcement in suspended beams, extra 10% at parking areas	5,577	LBS	2.23	12,413
Reinforcement in shear walls, avg 7 lbs/sf	87,346	LBS	2.05	178,841
Reinforcement in columns, avg 60.65 lbs/lf	392,955	LBS	2.23	874,600
Reinforcement in retaining/vault walls	7,687	LBS	2.05	15,739
Reinforcement in topping slabs	15,005	LBS	1.81	27,111
Post tensioning reinforcement strands in elevated beams, ungrouted, avg 9.8 lbs/lf	38,357	LBS	3.23	123,885
Post tensioning reinforcement strands in elevated beams, extra 10% at parking areas	2,934	LBS	3.23	9,476
Reinforcement in elevated post-tensioned slab, avg 1.5 lbs/sf	176,505	LBS	2.30	405,432
Reinforcement in elevated post-tensioned slab, avg 1.55 lbs/sf	112,125	LBS	2.30	257,551
Reinforcement in elevated post-tensioned slab, avg 1.6 lbs/sf	87,877	LBS	2.30	201,853
Reinforcement in elevated post-tensioned slab, avg 1.7 lbs/sf	26,646	LBS	2.30	61,206
Reinforcement in elevated post-tensioned slab, avg 2.0 lbs/sf	22,708	LBS	2.30	52,160
Reinforcement in elevated post-tensioned slab, extra 10% at parking areas	35,757	LBS	2.30	82,134
Reinforcement in elevated slab	5,677	LBS	2.30	13,040
Post tensioning reinforcement strands in elevated post-tensioned slab, avg 1.0 lbs/sf	117,670	LBS	3.23	380,051



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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Post tensioning reinforcement strands in elevated post-tensioned slab, avg 1.05 lbs/sf	31,649	LBS	3.23	102,220
Post tensioning reinforcement strands in elevated post-tensioned slab, avg 1.15 lbs/sf	111,688	LBS	3.23	360,730
Post tensioning reinforcement strands in elevated post-tensioned slab, avg 1.5 lbs/sf	23,511	LBS	3.23	75,936
Post tensioning reinforcement strands in elevated post-tensioned slab, avg 1.7 lbs/sf	1,945	LBS	3.23	6,282
Post tensioning reinforcement strands in elevated post-tensioned slab, avg 1.8 lbs/sf	18,378	LBS	3.23	59,357
Post tensioning reinforcement strands in elevated post-tensioned slab, extra 10% at parking areas	25,089	LBS	3.23	81,032
Studrails, (8) 1/2" dia headed studs per rail	2,124	EACH	40.64	86,314
Studrails, (8) 3/4" dia headed studs per rail	1,144	EACH	48.64	55,641
Studrails, (10) 1/2" dia headed studs per rail	1,592	EACH	50.80	80,869
Studrails, (10) 3/4" dia headed studs per rail	150	EACH	60.80	9,120
Subtotal: Concrete Reinforcement				\$4,551,998
03300 Cast in Place Concrete				
Concrete in strip footings	88	CUYD	240.10	21,129
Concrete in isolated column footings	2,079	CUYD	249.12	517,914
Concrete in mat foundations	1,796	CUYD	210.46	377,990
Concrete in foundation walls	133	CUYD	236.63	31,472
Concrete in basement walls	478	CUYD	289.69	138,470
Concrete in elevator pit walls	22	CUYD	262.07	5,766
Concrete in elevated post-tensioned slab	7,620	CUYD	245.30	1,869,204
Concrete in suspended beams	618	CUYD	355.97	219,988
Concrete in shear walls	493	CUYD	262.07	129,200
Concrete in columns	1,063	CUYD	329.14	349,875
Concrete in elevated slab	67	CUYD	245.30	16,435
Concrete in retaining/vault walls	48	CUYD	289.69	13,905
Concrete slab on grade, 5" thk, with W6x6-2.1x2.1	42,467	SQFT	7.83	332,674
CA-6 base, 6" thk, at concrete slab on grade	786	CUYD	59.43	46,715
Vapor barrier at slab	42,467	SQFT	1.28	54,417
Extra for stepped footings	18	LNFT	175.29	3,155
Concrete curb, 10" wide, includes reinforcing	72	LNFT	17.16	1,236
Concrete corbel, 1'-6" wide, includes reinforcing	99	LNFT	42.87	4,244
Concrete sealer & waterproofing admixture	118,075	SQFT	1.95	230,022
Subtotal: Cast in Place Concrete				\$4,363,809
03400 Cementitious Decks				
Concrete topping at floating slab, 3-1/2" thk with WWF	40,322	SQFT	8.85	356,951
Concrete topping at floating slab, 8" thk	10,210	SQFT	13.67	139,571
Concrete fill at metal pan stair landing	720	SQFT	45.65	32,866
Concrete fill at metal pan stair tread	1,064	LNFT	56.59	60,216
Subtotal: Cementitious Decks				\$589,603
03900 Miscellaneous Concrete				



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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Infill existing parking garage wall/barrier at removed bridge	8	EACH	8,942.00	71,536
			Subtotal: Miscellaneous Concrete	\$71,536
TOTAL: CONCRETE				\$15,318,679
04000 MASONRY				
04100 Exterior Masonry				
Cast stone veneer	77	SQFT	75.78	5,835
Cast stone trim	2,948	LNFT	58.82	173,410
Masonry veneer, 8x16	8,366	SQFT	24.88	208,186
8" CMU backup	4,876	SQFT	27.61	134,607
CMU facade, 12" thk, exterior	17,827	SQFT	35.45	632,033
Premium for decorative CMU finish	4,221	SQFT	10.16	42,877
			Subtotal: Exterior Masonry	\$1,196,948
04300 Interior Masonry				
CMU partition, 6" thk	985	SQFT	20.74	20,431
CMU partition, 8" thk	16,763	SQFT	23.13	387,809
CMU partition, 12" thk	21,731	SQFT	30.45	661,778
			Subtotal: Interior Masonry	\$1,070,018
TOTAL: MASONRY				\$2,266,966
05000 METALS				
05100 Structural Steel				
Structural steel beams, W-Shapes	4	TONS	6,862.01	24,772
Structural steel channels	2	TONS	6,160.05	14,107
Structural steel angles	38	TONS	7,515.65	288,751
Structural steel angles, galvanized	2	TONS	7,515.65	16,760
Structural steel beams, HSS Tubes	6	TONS	6,892.36	40,941
Structural steel beams & columns, roof, allow 5 lbs/sf	4	TONS	6,948.77	24,946
Structural steel columns, HSS Tubes	2	TONS	6,967.73	14,911
Moment connections	2	EACH	1,236.03	2,472
Metal roof deck, galvanized, 3" thk, 18 ga	1,816	SQFT	6.54	11,880
Steel grating, galvanized, at vault	310	SQFT	82.04	25,432
			Subtotal: Structural Steel	\$464,971
05300 Stairs				
Metal pan stairs	1,064	LNFT	96.31	102,478
Metal pan stair landing	720	SQFT	79.42	57,182
Steel railing system, floor mounted, painted	328	LNFT	287.56	94,320
Steel handrail, 1-1/2" dia, wall mounted, painted	339	LNFT	59.42	20,143
			Subtotal: Stairs	\$274,124
05400 Metal Fabrications				
Bollards, by entry gate	8	EACH	1,318.19	10,545
Elevator pit ladder	3	EACH	950.43	2,851
Guardrail, 4'-0" high	663	LNFT	221.38	146,773
Guardrail, 6'-0" high	505	LNFT	299.28	151,134



DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Barrier cable system	1,303	LNFT	96.31	125,498
Subtotal: Metal Fabrications				\$436,801
05900 Miscellaneous Metals				
Miscellaneous angles, channels, lintels, etc.	286,402	SQFT	1.01	290,240
Subtotal: Miscellaneous Metals				\$290,240
TOTAL: METALS				\$1,466,135
06000 WOODS, PLASTICS & COMPOSITES				
06200 Rough Carpentry				
Miscellaneous wood blocking & rough carpentry	286,402	SQFT	1.03	294,106
Subtotal: Rough Carpentry				\$294,106
TOTAL: WOODS, PLASTICS & COMPOSITES				\$294,106
07000 THERMAL & MOISTURE PROTECTION				
07100 Dampproofing & Waterproofing				
Waterproofing at floating slabs	50,532	SQFT	9.50	480,216
Waterproofing at basement walls	15,615	SQFT	5.80	90,581
Waterproofing at elevator pit	2,118	SQFT	12.96	27,456
Air/vapor barrier	10,496	SQFT	2.63	27,558
Subtotal: Dampproofing & Waterproofing				\$625,811
07200 Thermal Insulation				
Rigid foundation insulation, 2" thk at basement walls	14,258	SQFT	2.65	37,769
Geofoam insulation, avg 3" thk at floating slabs	50,532	SQFT	3.58	180,748
Rigid insulation	10,128	SQFT	2.93	29,702
Subtotal: Thermal Insulation				\$248,220
07600 Metal Panel Systems				
Metal panel system	2,053	SQFT	52.86	108,530
Subtotal: Metal Panel Systems				\$108,530
07700 Fireproofing & Firestopping				
Fireproof steel structure	1,816	SQFT	4.56	8,281
Subtotal: Fireproofing & Firestopping				\$8,281
07800 Caulking & Sealants				
Miscellaneous caulking & sealants	286,402	SQFT	0.24	69,968
Subtotal: Caulking & Sealants				\$69,968
07900 Miscellaneous Thermal & Moisture Protection				
Metal coping	1,069	SQFT	62.86	67,202
Subtotal: Miscellaneous Thermal & Moisture Protection				\$67,202
TOTAL: THERMAL & MOISTURE PROTECTION				\$1,128,011
08000 OPENINGS				
08200 Curtainwall & Storefront				
AL storefront/window system, bird glass	1,248	SQFT	121.24	151,309
HM storefront with Pyrostop 60	1,139	SQFT	186.24	212,129
Subtotal: Curtainwall & Storefront				\$363,438



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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
08400 Doors, Frames, & Hardware				
HM door type F, 3'-0"x7'-0"	10	EACH	1,194.32	11,943
HM door type F, 3'-6"x7'-0"	1	EACH	1,364.32	1,364
HM door type F, (2)3'-0"x7'-0"	1	EACH	2,628.64	2,629
HM door type F, 4'-0"x7'-0"	3	EACH	1,544.32	4,633
HM door type FG-M, 3'-0"x7'-0", glazing 1'-8" x 5'-2", IG-1T	1	EACH	2,109.32	2,109
HM door type FG-M, 3'-0"x7'-0", glazing 1'-8" x 5'-2", S-1Ta	13	EACH	2,119.32	27,551
HM door type FG-M, 3'-0"x7'-0", glazing 1'-8" x 5'-2", S-4F	13	EACH	2,994.32	38,926
HM door type FG-M, 3'-0"x7'-2", glazing 1'-8" x 5'-4", S-4F	1	EACH	3,029.32	3,029
HM door type N333, 3'-0"x7'-0", glazing 3" x 33", S-1Ta	1	EACH	1,404.32	1,404
HM door type N333, 3'-0"x7'-0", glazing 3" x 33", S-4F	1	EACH	1,519.32	1,519
HM frame type 01, 3'-0"x7'-0"	6	EACH	1,091.48	6,549
HM frame type 01, 4'-0"x7'-0"	1	EACH	1,141.48	1,141
HM frame type 01A, 3'-6"x7'-0"	1	EACH	1,126.48	1,126
HM frame type 01A, 3'-0"x7'-0"	20	EACH	1,101.48	22,030
HM frame type 01A, 3'-0"x7'-2"	1	EACH	1,117.48	1,117
HM frame type 01A, 4'-0"x7'-0"	3	EACH	1,136.48	3,409
HM frame type 02, 6'-0"x7'-0"	1	EACH	1,430.80	1,431
HM frame type 05C, 3'-0"x7'-0", sidelite 2'-0" x 7'-0"	4	EACH	2,007.28	8,029
HM frame type 05C, 3'-0"x7'-0", sidelite 3'-0" x 7'-0"	9	EACH	2,227.28	20,046
AL/GL door type AG, 3'-10"x10'-0", automatic sliding	2	EACH	16,109.12	32,218
AL door type FG-A, 3'-0"x8'-0", IG-1T	1	EACH	4,769.32	4,769
AL frame type 01, 3'-0"x8'-0"	1	EACH	1,438.64	1,439
AL OH door & frame type OS4, 12'-0"x8'-0"	1	EACH	13,109.12	13,109
AL OH door & frame type OS4SR3, 12'-0"x8'-0"	1	EACH	18,109.12	18,109
GL OH door & frame type CV, 9'-6"x8'-0"	2	EACH	17,109.12	34,218
90 minute rated, per leaf	19	EACH	150.00	2,850
180 minute rated, per leaf	1	EACH	220.00	220
Hardware set, single	3	EACH	1,194.32	3,583
Hardware set 04, single	2	EACH	4,994.32	9,989
Hardware set 05, single	5	EACH	5,049.32	25,247
Hardware set 06, single	1	EACH	4,454.32	4,454
Hardware set 08, single	11	EACH	3,734.32	41,078
Hardware set 09, single	1	EACH	4,164.32	4,164
Hardware set 11, single	1	EACH	3,374.32	3,374
Hardware set 12, single	2	EACH	3,339.32	6,679
Hardware set 13, single	2	EACH	3,474.32	6,949
Hardware set 15, single	1	EACH	3,384.32	3,384
Hardware set 16, single	1	EACH	3,389.32	3,389
Hardware set 17, single	2	EACH	3,569.32	7,139
Hardware set 18, single	2	EACH	7,829.32	15,659
Hardware set 19, single	1	EACH	2,014.32	2,014
Hardware set 21, single	4	EACH	4,249.32	16,997
Hardware set 22, single	1	EACH	4,344.32	4,344
Hardware set 23, single	1	EACH	3,114.32	3,114



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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Hardware set 26, single	1	EACH	1,394.32	1,394
Hardware set 27, single	2	EACH	779.32	1,559
Hardware set 03, double	1	EACH	6,947.96	6,948
Subtotal: Doors, Frames, & Hardware				\$438,378
08800 Louvers & Vents				
Louver	105	SQFT	180.30	18,932
Subtotal: Louvers & Vents				\$18,932
TOTAL: OPENINGS				\$820,748
09000 FINISHES				
09200 Floor Finishes				
LVT flooring, LVT-1	64	SQFT	15.77	1,009
Rubber floor finish	794	SQFT	26.47	21,014
Rubber base	1,257	LNFT	3.38	4,253
Stained concrete stair tread	1,064	LNFT	16.28	17,317
Stained concrete at stair landings	720	SQFT	14.28	10,278
Concrete sealer	6,640	SQFT	1.47	9,787
Epoxy resinous flooring, w/ 6" integral epoxy base	136	SQFT	34.97	4,756
Traffic coating, vehicle	202,150	SQFT	8.36	1,689,549
Subtotal: Floor Finishes				\$1,757,964
09400 Ceiling Finishes				
ACT system, 2'-0" x 2'-0"	319	SQFT	14.38	4,587
Subtotal: Ceiling Finishes				\$4,587
09600 Paints & Coatings				
Striping, parking space	476	EACH	71.01	33,801
Stripe parking space, ADA	14	EACH	230.10	3,221
Striping, directional arrow	85	EACH	109.02	9,266
Striping, stop bar	2	EACH	152.02	304
Striping, miscellaneous diagonal	5,597	SQFT	0.88	4,944
Prepare & paint walls	7,736	SQFT	1.51	11,645
Conproco stain on wall surfaces	2,833	SQFT	6.20	17,565
Subtotal: Paints & Coatings				\$80,747
TOTAL: FINISHES				\$1,843,298
10000 SPECIALTIES				
10200 Signage				
Wayfinding signage graphic, per location (8,341 SF total)	11	EACH	7,331.84	80,650
Interior wayfinding signage allowance	170	EACH	148.58	25,259
Subtotal: Signage				\$105,909
10400 Toilet Accessories				
Toilet paper dispenser, double roll	2	EACH	107.39	215
Toilet paper dispenser, jumbo roll	2	EACH	187.39	375
Paper towel dispenser, surface mounted	2	EACH	93.58	187
Waste receptacle, recessed	4	EACH	323.58	1,294



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Napkin disposal	2	EACH	149.77	300
Soap dispenser	4	EACH	83.58	334
Electric hand dryer	2	EACH	547.16	1,094
Utility mop holder & shelf, stainless steel	1	EACH	187.39	187
Grab bar set, three piece	2	EACH	260.74	521
Mirror	4	EACH	141.16	565
Subtotal: Toilet Accessories				\$5,073
10500 Fire Protection Specialties				
Fire extinguisher & cabinet, wall mounted	2	EACH	273.05	546
AED	2	EACH	394.32	789
Subtotal: Fire Protection Specialties				\$1,335
10900 Miscellaneous Specialties				
Bike rack, floor mounted	309	EACH	394.32	121,845
Bike rack, wall mounted	66	EACH	220.74	14,569
Subtotal: Miscellaneous Specialties				\$136,414
TOTAL: SPECIALTIES				\$248,730
11000 EQUIPMENT				
11900 Miscellaneous Equipment				
Remove, salvage & reinstall parking gates & equipment, Owner provided	1	EACH	50,000.00	50,000
Subtotal: Miscellaneous Equipment				\$50,000
TOTAL: EQUIPMENT				\$50,000
13000 SPECIAL CONSTRUCTION				
13300 Fabricated Engineered Structures				
Ticket booth	1	EACH	30,000.00	30,000
Subtotal: Fabricated Engineered Structures				\$30,000
TOTAL: SPECIAL CONSTRUCTION				\$30,000
14000 CONVEYING EQUIPMENT				
14200 Electric Traction Elevators				
Passenger elevator, 7 stop	3	EACH	325,000.00	975,000
Subtotal: Electric Traction Elevators				\$975,000
TOTAL: CONVEYING EQUIPMENT				\$975,000
21000 FIRE SUPPRESSION				
21200 Fire Sprinkler Equipment & Specialties				
Fire department connection, siamese, exterior wall mounted, 2-1/2" x 2-1/2" x 6"	1	EACH	1,962.58	1,963
Flow switches	15	EACH	412.23	6,183
Tamper switches	15	EACH	376.43	5,646
Subtotal: Fire Sprinkler Equipment & Specialties				\$13,792
21900 Special Fire Suppression				
Dry pipe sprinkler system, parking areas - dry pipe valves, sprinkler heads, and branch pipe	178,840	SQFT	3.53	631,824
Air compressor for dry pipe system	1	EACH	6,270.26	6,270



DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Fire/sprinkler main, dry pipe, sch. 10 galv. steel pipe, fittings, and supports, 4"	2,200	LNFT	97.46	214,423
Subtotal: Special Fire Suppression				\$852,517
TOTAL: FIRE SUPPRESSION				\$866,309

22000 PLUMBING

22200 Plumbing Fixtures

Water closet, wall hung, hardwired sensor-op flush valve, WC-1	2	EACH	3,029.40	6,059
Water closet, wall hung, battery-op flush valve, WC-2	2	EACH	2,749.40	5,499
Lavatory, wall hung, hardwired sensor-op faucet, L-1	4	EACH	2,595.52	10,382
Drinking fountain, ADA bi-level w/ bottle filler, DF-1	1	EACH	3,205.87	3,206
Mop basin, floor fixture, MB-1	1	EACH	2,162.81	2,163
Hose bibbs, WH-1	3	EACH	618.19	1,855
Wall hydrant, nonfreeze, WH-2	19	EACH	1,518.19	28,846

Subtotal: Plumbing Fixtures \$58,009

22300 Plumbing Equipment & Specialties

Domestic water heater, 19 gal., WHR-1	1	EACH	2,345.52	2,346
Domestic water heater, 6 gal., WHR-2, 3	2	EACH	2,245.52	4,491
Thermostatic mixing valve - 3/4", point of use, CP-1, 2, 3	3	EACH	344.98	1,035
RPZ backflow preventer, 2", lead free, RPBP-1	1	EACH	3,211.81	3,212
Sewage ejectors, duplex, w/basin, controls, 1.5 hp/each, SE-1	1	EACH	26,891.04	26,891
Sump pumps, duplex, w/basin, controls, 7.5 hp/each, SP-4	1	EACH	31,891.04	31,891
Elevator sump pump, 1/2 hp, SP-1, w/control panel	1	EACH	4,245.52	4,246
Elevator sump pump, 1 hp, SP-2, w/control panel	1	EACH	4,745.52	4,746
Elevator sump pump, 1 hp, SP-3, w/control panel	1	EACH	4,745.52	4,746
Elevator sump pump, 1/2 hp, SP-5, w/control panel	1	EACH	4,245.52	4,246
Hub drains, HD-1	6	EACH	497.74	2,986
Floor drains, FD-1	6	EACH	357.59	2,146
Floor drains, FD-2	57	EACH	1,536.38	87,574
Floor drains, FD-3	4	EACH	754.57	3,018
Cleanouts - line	26	EACH	429.32	11,162
Cleanouts - floor	12	EACH	738.39	8,861
Cleanouts - wall	1	EACH	404.55	405
Vent thru roof	5	EACH	372.40	1,862

Subtotal: Plumbing Equipment & Specialties \$205,861

22400 Domestic Water, Waste & Vent, & Storm Drainage Piping

Domestic water pipe, fittings, and supports, 8" galvanized steel	70	LNFT	305.31	21,372
Domestic water pipe, fittings, and supports, 4" galvanized steel	120	LNFT	175.02	21,003
Domestic water pipe, fittings, and supports, 2" CPVC	90	LNFT	52.89	4,760
Domestic water pipe, fittings, and supports, 1-1/2" CPVC	310	LNFT	43.69	13,545
Domestic water pipe, fittings, and supports, 1-1/4" CPVC	160	LNFT	37.90	6,064
Domestic water pipe, fittings, and supports, 1" CPVC	20	LNFT	33.73	675
Domestic water pipe, fittings, and supports, 3/4" CPVC	210	LNFT	29.74	6,245
Domestic water pipe, fittings, and supports, 1/2" CPVC	200	LNFT	27.42	5,485
Pipe insulation, 8" domestic water piping	70	LNFT	24.56	1,719



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Pipe insulation, 4" domestic water piping	120	LNFT	16.05	1,925
Pipe insulation, 2" domestic water piping	90	LNFT	12.13	1,091
Pipe insulation, 1-1/2" domestic water piping	310	LNFT	10.26	3,182
Pipe insulation, 1-1/4" domestic water piping	160	LNFT	10.17	1,627
Pipe insulation, 1" domestic water piping	20	LNFT	9.80	196
Pipe insulation, 3/4" domestic water piping	210	LNFT	9.29	1,951
Pipe insulation, 1/2" domestic water piping	200	LNFT	8.85	1,771
Sanitary/waste pipe, fittings, and supports, sched. 40 PVC, AG, 16"	20	LNFT	372.58	7,452
Sanitary/waste pipe, fittings, and supports, sched. 40 PVC, AG, 10"	95	LNFT	180.39	17,137
Sanitary/waste pipe, fittings, and supports, sched. 40 PVC, AG, 8"	540	LNFT	140.65	75,950
Sanitary/waste pipe, fittings, and supports, sched. 40 PVC, AG, 6"	820	LNFT	79.52	65,203
Sanitary/waste pipe, fittings, and supports, sched. 40 PVC, AG, 4"	510	LNFT	59.36	30,275
Sanitary/waste pipe, fittings, and supports, sched. 40 PVC, AG, 3"	2,300	LNFT	51.18	117,717
Sanitary/waste pipe, fittings, and supports, sched. 40 PVC, AG, 2"	30	LNFT	41.28	1,238
Vent pipe, fittings, and supports, sched. 40 PVC, AG, 3"	320	LNFT	51.18	16,378
Vent pipe, fittings, and supports, sched. 40 PVC, AG, 2"	1,100	LNFT	41.28	45,404
Vent pipe, fittings, and supports, sched. 40 PVC, AG, 1-1/2"	2,510	LNFT	34.82	87,395
Storm drainage pipe, fittings, and supports, sched. 40 PVC, AG, 10"	110	LNFT	161.65	17,782
Storm drainage pipe, fittings, and supports, sched. 40 PVC, AG, 8"	400	LNFT	106.69	42,675
Pipe insulation, AG horizontal storm drainage, 10"	110	LNFT	27.14	2,985
Pipe insulation, AG horizontal storm drainage, 8"	220	LNFT	24.86	5,469
Sanitary/waste pipe and fittings, PVC, UG, 4"	940	LNFT	43.55	40,935
Sanitary/waste pipe and fittings, PVC, UG, 3"	40	LNFT	35.09	1,404
Sanitary/waste pipe and fittings, PVC, UG, 2"	150	LNFT	27.27	4,091
Vent pipe and fittings, PVC, UG, 2"	250	LNFT	27.27	6,818
Subsoil drainage pipe, perforated PVC, 6"	2,840	LNFT	27.11	76,996
Subsoil drainage pipe, perforated PVC, 4"	1,860	LNFT	23.89	44,433
Incoming service (domestic water & FP), w/meter & backflow preventers	1	EACH	7,012.71	7,013
Pipe and valve tagging - domestic water	1,180	LNFT	1.37	1,615
System pressure testing, water pipe chlorination, and pipe flushing - domestic plumbing	1	LSUM	5,851.20	5,851
Subtotal: Domestic Water, Waste & Vent, & Storm Drainage Piping				\$814,828
TOTAL: PLUMBING				\$1,078,697

23000 HEATING VENTILATION & AIR CONDITIONING

23200 Ventilation & Exhaust

Air handling unit, packaged, electric heat, fans, filters, 1200 cfm, AHU-1	1	EACH	14,777.28	14,777
Makeup air unit, gas heat, fans, filters, 31,000 cfm, MAU-1	1	EACH	190,054.56	190,055
Energy recovery ventilator, 80 cfm, ERV-1, ERV-2	2	EACH	2,616.48	5,233
AC split system, 1.5 ton, AC/ACCU-1 & 2	2	EACH	5,888.64	11,777
Heat pump split system, 1 tons, FCU/HPU-1 thru 3	3	EACH	5,088.64	15,266
Heat pump split system, 3 tons, FCU/HPU-4	1	EACH	9,888.64	9,889
Heat pump split system, 5 tons, FCU/HPU-5	1	EACH	12,888.64	12,889
Refrigeration tubing, 3/4" OD copper	120	LNFT	24.66	2,959
Refrigeration tubing, 1/2" OD copper	300	LNFT	11.99	3,596



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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Refrigeration tubing, 3/8" OD copper	200	LNFT	11.22	2,244
Pipe insulation, refrigeration piping, up to 1" dia.	620	LNFT	10.07	6,246
Condensate drain piping, 1-1/2" DWV copper	350	LNFT	55.42	19,398
Pipe insulation, condensate drain piping, 1-1/2"	350	LNFT	12.80	4,480
Exhaust fan, inline, w/supports, vibration isolation, 10 hp, 16,585 cfm, SF-1	1	EACH	7,556.60	7,557
Exhaust fan, 2x2 array, 5 hp/8,925 cfm per fan, EF-1	1	EACH	43,554.56	43,555
Exhaust fan, inline, w/supports, vibration isolation, 1/8 hp, 225 cfm, EF-2	1	EACH	997.16	997
Exhaust fan, inline, w/supports, vibration isolation, 2 hp, 4,300 cfm, EF-3, VFD	25	EACH	7,461.58	186,539
Exhaust fan, rooftop, w/curb, backdraft damper, 1/6 hp, 800 cfm, EF-4	1	EACH	1,372.16	1,372
Exhaust fan, inline, w/supports, vibration isolation, 1/8 hp, 100 cfm, EF-5	1	EACH	972.16	972
Exhaust fan, rooftop, w/curb, backdraft damper, 1/8 hp, 160 cfm, EF-6	1	EACH	972.16	972
Exhaust fan, inline, w/supports, vibration isolation, 3/4 hp, 2,300 cfm, TF-1	1	EACH	3,544.32	3,544
Variable frequency drive, EF-3 fan, 2 hp (MC supply, EC install)	1	EACH	1,631.90	1,632
Galvanized steel duct, rectangular	58,200	LBS	11.69	680,544
Galvanized steel spiral duct, 16" dia.	360	LNFT	53.39	19,221
Galvanized steel spiral duct, 12" dia.	20	LNFT	38.32	766
Galvanized steel spiral duct, 10" dia.	110	LNFT	29.94	3,294
Galvanized steel spiral duct, 6" dia.	330	LNFT	15.22	5,023
Galvanized steel spiral duct, 4" dia.	50	LNFT	12.17	608
Duct insulation	33,900	SQFT	6.86	232,615
EA grille, 125x24 (31,500 cfm)	1	EACH	9,768.82	9,769
Grilles and diffusers	17	EACH	142.22	2,418
Grilles w/birdscreen	41	EACH	397.22	16,286
Transfer duct & grille	1	EACH	377.83	378
Louvers	1	LSUM	57,494.40	57,494
Fire dampers	3	EACH	682.16	2,046
Emergency generator intake louver, damper, and duct provisions	1	LSUM	9,768.82	9,769
Subtotal: Ventilation & Exhaust				\$1,586,181
23300 Central Hydronic & Steam Equipment & Specialties				
EM generator flue/vent, 12" dia.	40	LNFT	221.50	8,860
GRH flue/vent, 4" dia.	20	LNFT	116.09	2,322
Subtotal: Central Hydronic & Steam Equipment & Specialties				\$11,182
23400 Heating & Ventilating Terminals				
Unit heater, electric radiant heater, ERH-1	2	EACH	1,772.16	3,544
Electric wall heaters at elevator , EWH-#	15	EACH	1,154.12	17,312
Unit heater, gas-fired, GUH-1	4	EACH	2,472.16	9,889
Gas infrared tube heater, natural gas, GRH	1	EACH	4,462.80	4,463
Subtotal: Heating & Ventilating Terminals				\$35,208
23500 HVAC Piping				
Natural gas piping, std. wgt. blk. steel pipe, fittings, and supports, welded/flanged, 3"	200	LNFT	96.73	19,346
Natural gas piping, std. wgt. blk. steel pipe, fittings, and supports, threaded, 1-1/2"	140	LNFT	38.38	5,373
Natural gas piping, std. wgt. blk. steel pipe, fittings, and supports, threaded, 1"	330	LNFT	31.68	10,453



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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Pipe and valve tagging - interior bldg HVAC piping	670	LNFT	1.32	887
Subtotal: HVAC Piping				\$36,060
23600 Temperature Controls				
Controls - air handling units incl. zone controls	1	EACH	20,000.00	20,000
Controls - makeup air units	1	EACH	12,000.00	12,000
Controls - energy recovery units ERV-1, 2	2	EACH	15,000.00	30,000
Controls - AC split systems AC/ACCU-1, 2	2	EACH	3,000.00	6,000
Controls - heat pump split systems FCU/HPU-1 thru 5	5	EACH	4,000.00	20,000
Controls - SF-1 fan	1	EACH	9,000.00	9,000
Controls - exhaust fan EF-1	1	EACH	6,000.00	6,000
Controls - exhaust fan EF-2	1	EACH	6,000.00	6,000
Controls - exhaust fan EF-3	25	EACH	4,000.00	100,000
Controls - exhaust fan EF-4 thru 6	3	EACH	5,000.00	15,000
Controls - electric resistance heater ERH-1	1	EACH	2,000.00	2,000
Controls - electric wall heaters EWH-x	1	EACH	3,000.00	3,000
Controls - gas radiant heater GRH-1	1	EACH	2,500.00	2,500
Thermostats/temperature sensors	26	EACH	500.00	13,000
CO sensors	24	EACH	500.00	12,000
NO2 sensors	24	EACH	500.00	12,000
H2 sensors	24	EACH	500.00	12,000
Motorized dampers - mid-size	9	EACH	5,000.00	45,000
Miscellaneous points & devices	1	LSUM	15,000.00	15,000
Engineer's station	1	LSUM	20,000.00	20,000
Programming, testing, and training	1	LSUM	25,000.00	25,000
Subtotal: Temperature Controls				\$385,500
23700 Testing, Balancing, & Commissioning				
Airflow system testing and balancing	1	LSUM	150,000.00	150,000
Perform pipe pressure and leak testing - natural gas piping	1	LSUM	7,500.00	7,500
HVAC system commissioning assistance	1	LSUM	50,000.00	50,000
Subtotal: Testing, Balancing, & Commissioning				\$207,500
TOTAL: HEATING VENTILATION & AIR CONDITIONING				\$2,261,630
26000 ELECTRICAL				
26200 Main Power Distribution				
Main Distribution Switchboard 480/277V 3ph 4w 3000A - SWBD-H	1	EACH	230,205.00	230,205
Distribution Panel 480/277V 3ph 4w 600A - GMBS-1	1	EACH	13,832.80	13,833
Distribution Panel 480/277V 3ph 4w 600A - H-1	1	EACH	13,832.80	13,833
Distribution Panel 480/277V 3ph 4w 400A - COM-P3-FD	1	EACH	10,432.80	10,433
Distribution Panel 480/277V 3ph 4w 400A - COM-P3-EVC	1	EACH	10,432.80	10,433
Distribution Panel 480/277V 3ph 4w 400A - COM-P2-FD	1	EACH	10,432.80	10,433
Distribution Panel 480/277V 3ph 4w 400A - COM-P2-EVC	1	EACH	10,432.80	10,433
Distribution Panel 480/277V 3ph 4w 400A -	1	EACH	10,432.80	10,433
Transformer, dry-type, ventilated, 3 phase 480 V primary 120/208 V secondary, 30 kVA TEM-LL	1	EACH	8,128.51	8,129



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Transformer, dry-type, ventilated, 3 phase 480 V primary 120/208 V secondary, 45 kVA TSB-LL	1	EACH	10,146.72	10,147
Transformer, dry-type, 3 phase 480 V primary 120/208 V secondary, 150 kVA T-COM-P2	1	EACH	16,335.30	16,335
Transformer, dry-type, 3 phase 480 V primary 120/208 V secondary, 150 kVA T-COM-P3	1	EACH	16,335.30	16,335
Transformer, dry-type, 3 phase 480 V primary 120/208 V secondary, 150 kVA T-LL	1	EACH	16,335.30	16,335
Panelboards main breaker 42ct 400A - FPMBS-1	1	EACH	13,341.00	13,341
Panelboards main breaker 42ct 400A - HEM-LL	1	EACH	13,341.00	13,341
Panelboards main breaker 42ct 400A - HSB-LL	1	EACH	13,341.00	13,341
Panelboards main breaker 42ct 400A - L-LL	1	EACH	13,341.00	13,341
Panelboards MLO 42ct 100A -	1	EACH	4,576.40	4,576
Panelboards MLO 42ct 100A - H3	1	EACH	4,576.40	4,576
Panelboards MLO 42ct 100A - LEM-LL	1	EACH	4,576.40	4,576
Panelboards MLO 42ct 100A - LSB-LL	1	EACH	4,576.40	4,576
Feeder installation 600 V, including conduit and XHHW wire, 100A	220	LNFT	33.23	7,310
Feeder installation 600 V, including conduit and XHHW wire, 250A	150	LNFT	63.50	9,525
Feeder installation 600 V, including conduit and XHHW wire, 400A	670	LNFT	102.47	68,656
Feeder installation 600 V, including conduit and XHHW wire, 600A	120	LNFT	183.92	22,070
Feeder installation 600 V, including conduit and XHHW wire, 3000A UG	100	LNFT	589.81	58,981
Subtotal: Main Power Distribution				\$615,528
26300 Emergency Power Distribution				
Generator set, diesel, 3 phase 4 wire, 277/480 V, 500 kW, including battery & charger	1	EACH	212,684.50	212,685
Automatic transfer switches, enclosed, 3 pole, 300 amp ATS-EM	1	EACH	11,104.60	11,105
Automatic transfer switches, enclosed, 3 pole, 400 amp ATS-OSB	1	EACH	12,524.60	12,525
Subtotal: Emergency Power Distribution				\$236,314
26400 Grounding & Lightning Protection System				
Grounding System per code	1	LSUM	94,577.02	94,577
Subtotal: Grounding & Lightning Protection System				\$94,577
26500 Lighting				
Light fixture, interior, L.E.D. mounting hardware and connections - Type - A	35	EACH	339.56	11,885
Light fixture, interior, L.E.D. mounting hardware and connections - Type - B	16	EACH	339.56	5,433
Light fixture, interior, L.E.D. mounting hardware and connections - Type - C	42	EACH	368.56	15,480
Light fixture, interior, L.E.D. mounting hardware and connections - Type - D	4	EACH	310.56	1,242
Light fixture, interior, L.E.D. mounting hardware and connections - Type - F	4	EACH	329.56	1,318
Light fixture, interior, L.E.D. mounting hardware and connections - Type - OA	349	EACH	525.59	183,430
Light fixture, interior, L.E.D. mounting hardware and connections - Type - EX	23	EACH	315.56	7,258
Occupancy sensors, passive infrared, ceiling mounted	34	EACH	283.05	9,624
Occupancy sensors automatic wall switches	3	EACH	191.10	573
Toggle switch, quiet type, single pole, 20 amp	9	EACH	114.65	1,032
3 way switch, quiet type, single pole, 20 amp	2	EACH	115.82	232
Lighting System - Lighting control, equipment, devices and control cabling (Garage)	1	LSUM	50,000.00	50,000



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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Lighting System - Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A (Garage & Support spaces)	16,300	LNFT	23.72	386,629
Subtotal: Lighting				\$674,136
26600 Branch Power Distribution & Devices				
Duplex receptacle, backbox, grounded, 120 volt, 20 amp	9	EACH	116.82	1,051
Duplex receptacle, Ground Fault Interrupting, 20 amp	15	EACH	140.05	2,101
Junction Box and hardwired connection	18	EACH	92.26	1,661
Duplex receptacle, Ground Fault Interrupting, 20 amp	12	EACH	140.05	1,681
Power special purpose receptacles 30A 1P	3	EACH	124.55	374
Quadruplex receptacle, backbox, grounded, 120 volt, 20 amp	8	EACH	153.00	1,224
Junction Box and hardwired connection - EV CHARGER	5	EACH	12,000.00	60,000
Junction Box and hardwired connection - EV READY CHARGING SPACE	54	EACH	1,600.00	86,400
Junction Box and hardwired connection - motorized OH door	3	EACH	287.00	861
Junction Box and hardwired connection - PS	4	EACH	225.00	900
Junction Box and hardwired connection - RC	5	EACH	225.00	1,125
Junction Box and hardwired connection - RC-G	4	EACH	278.00	1,112
Junction Box and hardwired connection - SW	8	EACH	163.00	1,304
Junction Box and hardwired connection - DA-1	12	EACH	163.00	1,956
Junction Box and hardwired connection - DSA-1S	6	EACH	163.00	978
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	1	LSUM	215,000.00	215,000
Subtotal: Branch Power Distribution & Devices				\$377,727
26700 Mechanical Equipment Connections & Feeders				
Motors connection, disconnect switches and associated feeders - Elevator sump pump	3	EACH	1,000.00	3,000
Motors connection, disconnect switches and associated feeders - Exhaust fan, sidewall,	26	EACH	1,800.00	46,800
Motors connection, disconnect switches and associated feeders - Elevators	3	EACH	10,000.00	30,000
Motors connection, disconnect switches and associated feeders - Fire pump, 1000 gpm	1	EACH	15,000.00	15,000
Motors connection, disconnect switches and associated feeders - Electric wall heaters	14	EACH	1,600.00	22,400
Motors connection, disconnect switches and associated feeders - ERV	2	EACH	1,000.00	2,000
Motors connection, disconnect switches and associated feeders - Jockey pump	1	EACH	1,500.00	1,500
Motors connection, disconnect switches and associated feeders - Exhaust fan, toilet exhaust	2	EACH	2,300.00	4,600
Motors connection, disconnect switches and associated feeders - Sewage ejectors, duplex	1	EACH	2,800.00	2,800
Motors connection, disconnect switches and associated feeders - Exhaust fan, Inline TF,	4	EACH	2,200.00	8,800
Motors connection, disconnect switches and associated feeders - AC split system	2	EACH	3,850.00	7,700
Motors connection, disconnect switches and associated feeders - Sump pumps, duplex	1	EACH	1,200.00	1,200
Motors connection, disconnect switches and associated feeders - Unit heater, gas	6	EACH	950.00	5,700
Motors connection, disconnect switches and associated feeders - Unit heater, electric	3	EACH	1,500.00	4,500
Motors connection, disconnect switches and associated feeders - MAU-1	1	EACH	4,200.00	4,200



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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Motors connection, disconnect switches and associated feeders - FCU	5	EACH	1,500.00	7,500
Motors connection, disconnect switches and associated feeders - HPU	5	EACH	1,500.00	7,500
Subtotal: Mechanical Equipment Connections & Feeders				\$175,200

TOTAL: ELECTRICAL \$2,173,482

27000 COMMUNICATIONS

27200 Tele/Data Systems

IDF Room provisions, rack and backbone (FO & Cabling) to utility point of connection (garage)	1	EACH	40,000.00	40,000
Telecommunication/Data & Television System, data drops	35	EACH	1,500.00	52,500
Subtotal: Tele/Data Systems				\$92,500

TOTAL: COMMUNICATIONS \$92,500

28000 ELECTRONIC SAFETY & SECURITY

28200 Fire Alarm Systems

Fire alarm control panel, addressable, connections & programming	1	EACH	39,328.00	39,328
Annunciator panel	1	EACH	10,673.94	10,674
Smoke detector, addressable type	38	EACH	363.45	13,811
Heat detector, addressable	81	EACH	301.05	24,385
Manual alarm station, addressable	27	EACH	327.45	8,841
Audio visual alarm	13	EACH	363.45	4,725
Speaker and strobe light alarm	112	EACH	351.45	39,362
Control modules	6	EACH	363.45	2,181
Fire alarm wiring installation, including 3/4" EMT conduit and FA cable wire	11,200	LNFT	13.08	146,489
Interface with sprinkler system	1	EACH	7,500.00	7,500
Testing and engineering	1	LSUM	50,000.00	50,000
Subtotal: Fire Alarm Systems				\$347,296

28300 Intrusion Detection & Access Control Systems

Acces control System - Card reader, rough-in only	48	EACH	850.00	40,800
Subtotal: Intrusion Detection & Access Control Systems				\$40,800

28400 CCTV System

CCTV System - cameras, rough-in only	74	EACH	1,300.00	96,200
Subtotal: CCTV System				\$96,200

TOTAL: ELECTRONIC SAFETY & SECURITY \$484,296

31000 EARTHWORK

31300 Foundation Excavation & Fill

Dewatering - Casual	1	LSUM	95,222.72	95,223
Excavate for basement	8,561	CUYD	11.37	97,310
Excavate for foundations & slab	10,747	CUYD	15.91	171,021
Backfill with engineered fill	6,512	CUYD	48.80	317,804
Haul off excavated material as CCDD	19,308	CUYD	43.08	831,727
Subtotal: Foundation Excavation & Fill				\$1,513,085

31400 Soil Stabilizations

Temporary sheet piling, avg 30' deep	26,700	SQFT	48.91	1,305,780
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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Underpinning at North & South	181	LNFT	1,490.80	269,835
			Subtotal: Soil Stabilizations	\$1,575,615
TOTAL: EARTHWORK				\$3,088,700
TOTAL: CITY PARKING GARAGE & BUS TERMINAL				\$34,487,288

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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
GROUND FLOOR WEST FAÇADE				
04000 MASONRY				
04100 Exterior Masonry				
Cast stone veneer	314	SQFT	75.78	23,795
Subtotal: Exterior Masonry				\$23,795
TOTAL: MASONRY				\$23,795
05000 METALS				
05200 Structural Metal Stud Framing				
Structural metal studs, 6" thk	3,308	SQFT	19.24	63,653
Subtotal: Structural Metal Stud Framing				\$63,653
TOTAL: METALS				\$63,653
06000 WOODS, PLASTICS & COMPOSITES				
06200 Rough Carpentry				
Exterior gypsum sheathing	2,218	SQFT	2.69	5,974
Subtotal: Rough Carpentry				\$5,974
TOTAL: WOODS, PLASTICS & COMPOSITES				\$5,974
07000 THERMAL & MOISTURE PROTECTION				
07100 Dampproofing & Waterproofing				
Air/vapor barrier	3,308	SQFT	2.63	8,685
Subtotal: Dampproofing & Waterproofing				\$8,685
07200 Thermal Insulation				
Rigid insulation	3,308	SQFT	2.93	9,701
Subtotal: Thermal Insulation				\$9,701
07600 Metal Panel Systems				
Metal panel system	1,904	SQFT	52.86	100,653
Metal panel soffit system	1,090	SQFT	55.26	60,236
Metal column enclosure, 3'-2" dia, 18'-0" high	9	EACH	18,572.80	167,155
Subtotal: Metal Panel Systems				\$328,044
07900 Miscellaneous Thermal & Moisture Protection				
Entry canopy including structure & soffit, 25'-10"x15'-10"	1	EACH	107,160.00	107,160
Subtotal: Miscellaneous Thermal & Moisture Protection				\$107,160
TOTAL: THERMAL & MOISTURE PROTECTION				\$453,591
08000 OPENINGS				
08200 Curtainwall & Storefront				
AL storefront/window system, bird glass	1,368	SQFT	121.24	165,858
Subtotal: Curtainwall & Storefront				\$165,858
08400 Doors, Frames, & Hardware				
HM door type F, 3'-0"x7'-0"	1	EACH	1,194.32	1,194
HM door type F, (2)3'-0"x7'-0"	1	EACH	2,628.64	2,629
HM frame type 01, 3'-0"x7'-0"	1	EACH	1,091.48	1,091

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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
HM frame type 02, 6'-0"x7'-0"	1	EACH	1,430.80	1,431
AL door type FG-A, 2'-11"x7'-10", IG-1T	2	EACH	4,194.32	8,389
AL frame type 01, 2'-11"x7'-10"	2	EACH	1,438.64	2,877
Hardware set, single	2	EACH	1,194.32	2,389
Hardware set 09, single	1	EACH	4,164.32	4,164
Hardware set 02, double	1	EACH	9,347.96	9,348
Subtotal: Doors, Frames, & Hardware				\$33,512
TOTAL: OPENINGS				\$199,370
09000 FINISHES				
09100 Plaster & Gypsum Board				
Gyp board back up	2,218	SQFT	5.82	12,912
Subtotal: Plaster & Gypsum Board				\$12,912
TOTAL: FINISHES				\$12,912
TOTAL: GROUND FLOOR WEST FAÇADE				\$759,295

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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
LEVEL 2 THRU LEVEL 6 WEST FAÇADE				
04000 MASONRY				
04100 Exterior Masonry				
Brick facade, modular, 2-2/3"x8"x4" thk	10,356	SQFT	35.66	369,274
Cast stone trim	516	LNFT	58.82	30,353
Cast stone coping	322	LNFT	170.68	54,960
Subtotal: Exterior Masonry				\$454,587
TOTAL: MASONRY				\$454,587
05000 METALS				
05200 Structural Metal Stud Framing				
Structural metal studs, 6" thk	13,097	SQFT	19.24	252,015
Subtotal: Structural Metal Stud Framing				\$252,015
05400 Metal Fabrications				
Glazed guardrail	22	LNFT	684.39	15,057
Subtotal: Metal Fabrications				\$15,057
TOTAL: METALS				\$267,072
06000 WOODS, PLASTICS & COMPOSITES				
06200 Rough Carpentry				
Exterior gypsum sheathing	13,098	SQFT	2.69	35,276
Subtotal: Rough Carpentry				\$35,276
TOTAL: WOODS, PLASTICS & COMPOSITES				\$35,276
07000 THERMAL & MOISTURE PROTECTION				
07100 Dampproofing & Waterproofing				
Air/vapor barrier	13,097	SQFT	2.63	34,387
Subtotal: Dampproofing & Waterproofing				\$34,387
07200 Thermal Insulation				
Rigid insulation	13,097	SQFT	2.93	38,410
Subtotal: Thermal Insulation				\$38,410
07600 Metal Panel Systems				
Metal panel system	2,742	SQFT	52.86	144,953
Subtotal: Metal Panel Systems				\$144,953
TOTAL: THERMAL & MOISTURE PROTECTION				\$217,750
08000 OPENINGS				
08200 Curtainwall & Storefront				
AL storefront/window system, bird glass	5,101	SQFT	121.24	618,452
Subtotal: Curtainwall & Storefront				\$618,452
TOTAL: OPENINGS				\$618,452
09000 FINISHES				
09100 Plaster & Gypsum Board				

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City of Madison
State Street Campus Garage Mixed-Use
Phase 1

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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Gyp board back up	13,097	SQFT	5.82	76,244
Subtotal: Plaster & Gypsum Board				\$76,244
TOTAL: FINISHES				\$76,244
TOTAL: LEVEL 2 THRU LEVEL 6 WEST FAÇADE				\$1,669,381

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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
HOUSING STAIR SHAFTS 2, 4 & 5 INCLUDING STAIRS 4 & 5				
03000 CONCRETE				
03400 Cementitious Decks				
Concrete fill at metal pan stair landing	660	SQFT	45.65	30,128
Concrete fill at metal pan stair tread	945	LNFT	56.59	53,481
Subtotal: Cementitious Decks				\$83,609
TOTAL: CONCRETE				\$83,609
04000 MASONRY				
04300 Interior Masonry				
CMU partition, 8" thk	11,086	SQFT	23.13	256,472
CMU partition, 12" thk	3,457	SQFT	30.45	105,277
Subtotal: Interior Masonry				\$361,749
TOTAL: MASONRY				\$361,749
05000 METALS				
05300 Stairs				
Metal pan stairs	945	LNFT	96.31	91,017
Metal pan stair landing	660	SQFT	79.42	52,417
Steel railing system, floor mounted, painted	261	LNFT	287.56	75,053
Steel handrail, 1-1/2" dia, wall mounted, painted	319	LNFT	59.42	18,955
Subtotal: Stairs				\$237,442
TOTAL: METALS				\$237,442
08000 OPENINGS				
08400 Doors, Frames, & Hardware				
HM door type F, 3'-0"x7'-0"	1	EACH	1,194.32	1,194
HM door type N333, 3'-0"x7'-0", glazing 3" x 33", S-1Ta	6	EACH	1,404.32	8,426
HM door type N333, 3'-0"x7'-0", glazing 3" x 33", S-4F	21	EACH	1,519.32	31,906
HM door type N333, 3'-6"x7'-0", glazing 3" x 33", S-1Ta	1	EACH	1,574.32	1,574
HM frame type 01, 3'-0"x7'-0"	11	EACH	1,091.48	12,006
HM frame type 01A, 3'-0"x7'-0"	17	EACH	1,101.48	18,725
HM frame type 05C, 3'-0"x7'-0", sidelite 3'-0" x 7'-0"	1	EACH	2,227.28	2,227
90 minute rated, per leaf	20	EACH	150.00	3,000
Hardware set 04, single	10	EACH	4,994.32	49,943
Hardware set 05, single	1	EACH	5,049.32	5,049
Hardware set 09, single	1	EACH	4,164.32	4,164
Hardware set 10, single	7	EACH	3,454.32	24,180
Hardware set 14, single	1	EACH	3,574.32	3,574
Hardware set 19, single	6	EACH	2,014.32	12,086
Hardware set 20, single	1	EACH	2,029.32	2,029
Hardware set 24, single	1	EACH	2,909.32	2,909
Hardware set 26, single	1	EACH	1,394.32	1,394



City of Madison
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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Subtotal: Doors, Frames, & Hardware				\$184,389
TOTAL: OPENINGS				\$184,389
09000 FINISHES				
09100 Plaster & Gypsum Board				
Gypsum board ceiling	163	SQFT	8.97	1,462
Subtotal: Plaster & Gypsum Board				\$1,462
09200 Floor Finishes				
Rubber base	684	LNFT	3.38	2,315
Stained concrete stair tread	945	LNFT	16.28	15,380
Stained concrete at stair landings	660	SQFT	14.28	9,422
Concrete sealer	2,137	SQFT	1.47	3,150
Subtotal: Floor Finishes				\$30,266
09600 Paints & Coatings				
Prepare & paint walls	5,486	SQFT	1.51	8,258
Paint gyp board ceiling	163	SQFT	1.42	231
Subtotal: Paints & Coatings				\$8,489
TOTAL: FINISHES				\$40,217
TOTAL: HOUSING STAIR SHAFTS 2, 4 & 5 INCLUDING STAIRS 4 & 5				\$907,406

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City of Madison
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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
STAIRS 1 & 3 STANDPIPES				
21000 FIRE SUPPRESSION				
21300 Sprinkler Heads & Piping				
Fire/sprinkler main/standpipe, sch. 10 blk steel pipe, fittings, and supports, 4"	500	LNFT	97.46	48,732
	Subtotal: Sprinkler Heads & Piping			\$48,732
TOTAL: FIRE SUPPRESSION				\$48,732
TOTAL: STAIRS 1 & 3 STANDPIPES				\$48,732
TOTAL: BASE BID				\$40,347,516

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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
ALTERNATE #1: INSTALL FOUR (4) BRIDGES TO LAKE ST GARAGE				
CITY PARKING GARAGE & BUS TERMINAL				
02000 EXISTING CONDITIONS				
02100 Selective Demolition				
Remove existing bridge infill wall/barrier	8	EACH	2,956.50	23,652
Subtotal: Selective Demolition				\$23,652
TOTAL: EXISTING CONDITIONS				\$23,652
03000 CONCRETE				
03100 Concrete Formwork				
Formwork for concrete bridge walls	1,362	SQFT	19.06	25,960
Formwork for elevated slab, bridges	1,858	SQFT	26.18	48,642
Subtotal: Concrete Formwork				\$74,603
03200 Concrete Reinforcement				
Reinforcement in concrete bridge walls	1,421	LBS	3.15	4,469
Reinforcement in elevated slab, avg 5.0 lbs/sf, bridges	2,025	LBS	3.79	7,683
Reinforcement in elevated slab, avg 5.5 lbs/sf, bridges	6,254	LBS	3.79	23,727
Subtotal: Concrete Reinforcement				\$35,879
03300 Cast in Place Concrete				
Concrete in concrete bridge walls	21	CUYD	244.20	5,128
Concrete in elevated slabs, bridges	57	CUYD	290.81	16,576
Concrete sealer & waterproofing admixture	1,474	SQFT	5.30	7,811
Concrete sealer & waterproofing admixture	1,542	SQFT	1.95	3,004
Subtotal: Cast in Place Concrete				\$32,519
03900 Miscellaneous Concrete				
Remobilize for bridge construction	1	LSUM	25,000.00	25,000
Access for bridge construction	1	LSUM	50,000.00	50,000
Subtotal: Miscellaneous Concrete				\$75,000
TOTAL: CONCRETE				\$218,001
07000 THERMAL & MOISTURE PROTECTION				
07500 Roofing Specialties				
Expansion joint	74	LNFT	91.49	6,770
Subtotal: Roofing Specialties				\$6,770
TOTAL: THERMAL & MOISTURE PROTECTION				\$6,770
TOTAL: CITY PARKING GARAGE & BUS TERMINAL				\$248,424
TOTAL: ALTERNATE #1: INSTALL FOUR (4) BRIDGES TO LAKE ST GARAGE				\$248,424