

February 4, 2022

48,545 SF



SD Estimate Summary

CSI Division	Division Title	% of Cost	Cost per SF	Total Cost
010000	General Requirements	2.07%	\$ 7.70	\$ 374,005
020000	Existing Conditions	1.37%	\$ 5.11	\$ 248,122
030000	Concrete	5.74%	\$ 21.38	\$ 1,038,076
040000	Masonry	8.77%	\$ 32.69	\$ 1,587,070
050000	Metals	9.34%	\$ 34.81	\$ 1,689,674
060000	Wood, Plastics and Composites	1.33%	\$ 4.97	\$ 241,386
070000	Thermal and Moisture Protection	10.93%	\$ 40.74	\$ 1,977,885
080000	Openings	3.79%	\$ 14.12	\$ 685,600
090000	Finishes	4.31%	\$ 16.08	\$ 780,438
100000	Specialties	1.62%	\$ 6.03	\$ 292,625
110000	Equipment	1.73%	\$ 6.44	\$ 312,610
120000	Furnishings	0.03%	\$ 0.10	\$ 5,025
210000	Fire Suppression	1.67%	\$ 6.23	\$ 302,520
220000	Plumbing	4.05%	\$ 15.09	\$ 732,540
230000	HVAC	6.66%	\$ 24.81	\$ 1,204,600
260000	Electrical	8.16%	\$ 30.42	\$ 1,476,763
270000	Communications	0.87%	\$ 3.25	\$ 157,771
280000	Electronic Safety and Security	1.07%	\$ 4.00	\$ 194,226
310000	Earthwork	3.67%	\$ 13.66	\$ 663,328
320000	Exterior Improvements	6.94%	\$ 25.88	\$ 1,256,200
330000	Utilities	8.36%	\$ 31.16	\$ 1,512,645
	Design/Estimating/Escalation Contingency	7.50%	\$ 27.95	\$ 1,356,739
<b>Total Direct Construction Cost</b>		<b>100.00%</b>	<b>\$ 372.64</b>	<b>\$ 18,089,848</b>
	GC/CM Bonding and Insurance	2.25%	\$ 8.38	\$ 407,020
	GC/CM Construction Stage Personnel	3.50%	\$ 13.04	\$ 633,140
	GC/CM Overhead and Profit	4.25%	\$ 16.75	\$ 813,030
<b>Total Construction Cost</b>			<b>\$ 410.82</b>	<b>\$ 19,943,038</b>

Alternates			
1.	Vehicle Wash Facility	Add	\$ 1,781,405
2.	Rainwater Harvesting System	Add	\$ 144,968
3.	Skylights at Vehicle Storage and Maintenance Areas	Add	\$ 52,470

Total Construction Cost Segregated by Area			
A.	Site Development		\$ 3,976,445
B.	Building Abatement and Demolition		\$ 117,032
C.	Administration, Vehicle Storage, and Vehicle Maintenance Building	\$ 303.59/sf	\$ 14,737,973
D.	Fueling Facility		\$ 1,111,588

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SD Estimate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
<b>Division 010000 - General Requirements</b>						<b>\$ 374,005</b>
<b>014100</b>		<b>Regulatory Requirements</b>				<b>\$ 32,260</b>
All		commercial activity tax	1	lpsm	\$ 2,260.00	\$ 2,260
All		building permit fee(s)	1	lpsm	\$ 30,000.00	\$ 30,000
<b>014500</b>		<b>Quality Control</b>				<b>\$ -</b>
All		independent testing and inspection	1	lpsm	\$ -	NIC
All		temporary mock-ups [by responsible trade]	1	lpsm	\$ -	\$ -
<b>015000</b>		<b>Temporary Facilities and Controls</b>				<b>\$ 71,100</b>
All		temporary utility consumption	16	month	\$ 1,250.00	\$ 20,000
All		field office set-up and breakdown	1	lpsm	\$ 3,500.00	\$ 3,500
All		field office w/furnishings and equipment	16	month	\$ 1,500.00	\$ 24,000
All		field office supplies	16	month	\$ 350.00	\$ 5,600
All		sanitary facilities	16	month	\$ 1,125.00	\$ 18,000
<b>015800</b>		<b>Project Identification</b>				<b>\$ 6,000</b>
All		BCRTA project sign(s)	1	lpsm	\$ 3,500.00	\$ 3,500
All		temporary construction signage	1	lpsm	\$ 2,500.00	\$ 2,500
<b>017100</b>		<b>Examination and Preparation</b>				<b>\$ 31,375</b>
All		document reproduction/misc. reproduction costs	1	lpsm	\$ 10,000.00	\$ 10,000
All		construction survey/layout for site and building construction [establish BM's and control lines]	15	day	\$ 1,425.00	\$ 21,375
<b>017300</b>		<b>Execution</b>				<b>\$ 111,009</b>
All		temporary construction fence/gates [w/relocation as necessary]	2,650	lnft	\$ 9.25	\$ 24,513
All		maintenance and protection of vehicular and pedestrian traffic/access	1	lpsm	\$ 15,000.00	\$ 15,000
All		temporary building enclosure/weather protection	1	lpsm	\$ 15,000.00	\$ 15,000
All		temporary heating/cooling/ventilation	1	lpsm	\$ 25,000.00	\$ 25,000
All		temporary fire protection	1	lpsm	\$ 3,500.00	\$ 3,500
All		temporary protection of finishes	11,985	sqft	\$ 0.25	\$ 2,996
All		misc. safety related labor and material	1	lpsm	\$ 10,000.00	\$ 10,000
All		misc. tools and equipment/delivery	1	lpsm	\$ 15,000.00	\$ 15,000
<b>017419</b>		<b>Cleaning and Waste Management</b>				<b>\$ 112,261</b>
All		misc. labor/progress cleaning	624	hour	\$ 62.50	\$ 39,000
All		misc. street/parking lot sweeping	15	trip	\$ 500.00	\$ 7,500

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A	PH					
All		final cleaning [building]	48,545	sqft	\$ 0.25	\$ 12,136
All		glass cleaning [building]	1	lpsm	\$ 12,500.00	\$ 12,500
All		final cleaning [site]	1	lpsm	\$ 10,000.00	\$ 10,000
All		dumpsters	75	each	\$ 415.00	\$ 31,125
<b>017700</b>		<b>Contract Closeout</b>				<b>\$ 10,000</b>
All		final site survey	1	lpsm	\$ 10,000.00	\$ 10,000
All		demonstration and training [by responsible trade]	1	lpsm	\$ -	\$ -
All		project record documents [by GC/CM staff]	1	lpsm	\$ -	\$ -
<b>Division 020000 - Existing Conditions</b>						<b>\$ 248,122</b>
<b>024113</b>		<b>Selective Site Demolition</b>				<b>\$ 152,122</b>
Site		demo existing asphalt pavement, concrete pavement, concrete curb, and aggregate surfacing	162,110	sqft	\$ 0.65	\$ 105,372
Site		demo existing underground utilities	1,650	lnft	\$ 20.00	\$ 33,000
Site		demo misc. site improvements [shelters, fencing, signs, bollards, light poles and foundations, etc.]	5	day	\$ 2,750.00	\$ 13,750
<b>024116</b>		<b>Structure Demolition</b>				<b>\$ 68,000</b>
Demo		demo existing maintenance building	8,000	sqft	\$ 8.50	\$ 68,000
<b>028000</b>		<b>Facility Remediation</b>				<b>\$ 28,000</b>
Demo		allowance for abatement and disposal of hazardous materials @ existing building	8,000	sqft	\$ 3.50	\$ 28,000
<b>Division 030000 - Concrete</b>						<b>\$ 1,038,076</b>
<b>033000</b>		<b>Cast-in-Place Concrete</b>				<b>\$ 983,236</b>
		<b>Concrete Foundations</b>				
Bldg		perimeter spread footing w/reinforcement	456	cuyd	\$ 475.00	\$ 216,600
Bldg		spread footing w/reinforcement @ interior CMU walls	145	cuyd	\$ 450.00	\$ 65,250
Bldg		column pads w/reinforcement	220	cuyd	\$ 550.00	\$ 121,000
Fuel		column foundations w/reinforcement	4	each	\$ 10,000.00	\$ 40,000
Bldg		LSM @ perimeter spread footing/column pads	200	cuyd	\$ 225.00	\$ 45,000
		<b>Concrete Slab-on-Grade</b>				
Bldg		5" slab-on-grade w/4" stone base	11,985	sqft	\$ 5.25	\$ 62,921
Bldg		8" slab-on-grade w/6" stone base	36,560	sqft	\$ 7.75	\$ 283,340

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CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
		<b>Site Retaining Wall</b>				
Site		spread footing w/reinforcement	28	cuyd	\$ 475.00	\$ 13,300
Site		cast-in-place concrete retaining wall	18	cuyd	\$ 950.00	\$ 17,100
		<b>Miscellaneous Concrete</b>				
Bldg		grout column base plates	44	each	\$ 150.00	\$ 6,600
Fuel		grout column base plates	4	each	\$ 350.00	\$ 1,400
Bldg		6" walkway w/integral curb @ vehicle storage	1,500	sqft	\$ 7.50	\$ 11,250
Bldg		4' high concrete column encasement	4	each	\$ 3,500.00	\$ 14,000
Bldg		mechanical/electrical equipment pads	1,500	sqft	\$ 15.00	\$ 22,500
Bldg		frost slab(s) @ building entrance(s)	515	sqft	\$ 30.00	\$ 15,450
Site		spread footing w/reinforcement @ seat wall(s)	20	cuyd	\$ 475.00	\$ 9,500
Site		spread footing w/reinforcement @ trash enclosure walls	14	cuyd	\$ 475.00	\$ 6,650
Site		spread footing w/reinforcement @ monument sign	5	cuyd	\$ 475.00	\$ 2,375
Site		cast-in-place concrete stair	1	lpsm	\$ 10,000.00	\$ 10,000
Site		labor and concrete material to install steel pipe bollards	40	each	\$ 300.00	\$ 12,000
Site		HDPE bollard cover(s) @ perimeter of mechanical yard	40	each	\$ 175.00	\$ 7,000
<b>033543</b>		<b>Polished Concrete Finishing</b>				<b>\$ 54,840</b>
Bldg		burnish and seal w/hardener [8" SOG]	36,560	sqft	\$ 1.50	\$ 54,840
<b>Division 040000 - Masonry</b>						<b>\$ 1,587,070</b>
<b>042000</b>		<b>Unit Masonry</b>				<b>\$ 1,332,740</b>
Bldg		exterior CMU wall w/fluid-applied membrane air barrier	16,165	vsf	\$ 26.50	\$ 428,373
Bldg		brick veneer w/rigid insulation	9,355	vsf	\$ 28.25	\$ 264,279
Site		brick veneer @ site walls	1,180	vsf	\$ 25.00	\$ 29,500
Bldg		decorative CMU veneer w/rigid insulation	4,712	vsf	\$ 21.50	\$ 101,308
Bldg		interior CMU partitions	20,464	vsf	\$ 20.00	\$ 409,280
Bldg		winter conditions allowance	4	month	\$ 25,000.00	\$ 100,000
<b>047200</b>		<b>Cast Stone Masonry</b>				<b>\$ 254,330</b>
Bldg		cast stone veneer, sills, and caps	1,534	cuft	\$ 145.00	\$ 222,430
Site		cast stone @ seat wall(s)	220	cuft	\$ 145.00	\$ 31,900

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A	PH					
<b>Division 050000 - Metals</b>						<b>\$ 1,689,674</b>
<b>051200</b>		<b>Structural Steel Framing</b>				<b>\$ 1,258,000</b>
Bldg		structural steel beams, columns and roof joist	285	ton	\$ 4,000.00	\$ 1,140,000
Bldg		supplemental structural steel [angles/bent plates @ edge of deck, framing @ roof openings, channel frames @ door openings, etc.]	30	ton	\$ 4,000.00	\$ 118,000
<b>053100</b>		<b>Steel Decking</b>				<b>\$ 288,090</b>
Bldg		metal roof deck	64,020	sqft	\$ 4.50	\$ 288,090
<b>054000</b>		<b>Cold-Formed Metal Framing</b>				<b>\$ 56,925</b>
Bldg		exterior wall framing	3,450	vsf	\$ 16.50	\$ 56,925
<b>055000</b>		<b>Metal Fabrications</b>				<b>\$ 86,659</b>
Bldg		mezzanine w/ships ladder and railing @ vehicle maintenance	260	sqft	\$ 65.00	\$ 16,900
Bldg		miscellaneous steel [lintels, BP's, misc. angles, etc.]	48,545	sqft	\$ 0.75	\$ 36,409
Bldg		roof ladder(s)	1	lpsm	\$ 8,350.00	\$ 8,350
Bldg		railing @ interior ramp(s)	1	lpsm	\$ 5,000.00	\$ 5,000
Site		railing @ exterior stair/ramp(s)	1	lpsm	\$ 10,000.00	\$ 10,000
Site		6" steel pipe bollard(s) [material]	40	each	\$ 250.00	\$ 10,000
<b>Division 060000 - Wood, Plastics and Composites</b>						<b>\$ 241,386</b>
<b>061053</b>		<b>Miscellaneous Rough Carpentry</b>				<b>\$ 134,218</b>
Bldg		wood roof blocking	3,670	lnft	\$ 17.50	\$ 64,225
Bldg		wood blocking @ aluminum storefront/windows	1,230	lnft	\$ 20.00	\$ 24,600
Bldg		metal strapping/wood blocking @ interior drywall partitions	10,985	sqft	\$ 0.50	\$ 5,493
Bldg		labor to install doors/frames/hardware	52	opng	\$ 600.00	\$ 31,200
Bldg		labor to install borrowed lite frame(s) [material]	5	each	\$ 300.00	\$ 1,500
Bldg		labor to install toilet accessories	80	hour	\$ 75.00	\$ 6,000
Bldg		labor to install fire extinguishers and cabinets	16	hour	\$ 75.00	\$ 1,200
<b>061600</b>		<b>Sheathing</b>				<b>\$ 12,938</b>
Bldg		glass-mat gypsum sheathing @ exterior CFMF wall	3,450	vsf	\$ 3.75	\$ 12,938
<b>064000</b>		<b>Architectural Woodwork</b>				<b>\$ 94,230</b>
Bldg		plastic laminate base cabinets w/solid surface counter [material]	80	lnft	\$ 375.00	\$ 30,000
Bldg		plastic laminate wall cabinets [material]	80	lnft	\$ 150.00	\$ 12,000

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A	PH					
Bldg		solid surface counter [material]	50	sqft	\$ 62.50	\$ 3,125
Bldg		solid surface window sill [material]	465	lnft	\$ 35.00	\$ 16,275
Bldg		closet rod w/shelf [material]	12	lnft	\$ 75.00	\$ 900
Bldg		misc. architectural woodwork [material]	1	lpsm	\$ 7,500.00	\$ 7,500
Bldg		labor to install architectural woodwork	1	lpsm	\$ 24,430.00	\$ 24,430
<b>Division 070000 - Thermal and Moisture Protection</b>						<b>\$ 1,977,885</b>
<b>072100</b>		<b>Thermal Insulation</b>				<b>\$ 11,550</b>
Bldg		foundation insulation	4,200	sqft	\$ 2.75	\$ 11,550
Bldg		rigid insulation @ exterior wall [w/cladding material]	1	lpsm	\$ -	\$ -
Bldg		sound insulation @ drywall partitions [w/092116]	1	lpsm	\$ -	\$ -
<b>072500</b>		<b>Weather Barriers</b>				<b>\$ 13,283</b>
Bldg		fluid-applied membrane air barrier	3,450	vsf	\$ 3.85	\$ 13,283
<b>074213</b>		<b>Metal Wall Panels</b>				<b>\$ 205,350</b>
Bldg		aluminum composite metal wall panels	3,450	vsf	\$ 55.00	\$ 189,750
Bldg		metal siding	780	vsf	\$ 20.00	\$ 15,600
<b>074293</b>		<b>Soffit Panels</b>				<b>\$ 386,875</b>
Bldg		soffit panels w/subframing	15,475	sqft	\$ 25.00	\$ 386,875
<b>074600</b>		<b>Siding</b>				<b>\$ 328,125</b>
Bldg		column and beam enclosure(s)	875	lnft	\$ 375.00	\$ 328,125
<b>075000</b>		<b>Membrane Roofing</b>				<b>\$ 705,281</b>
Bldg		membrane roof system w/insulation	48,545	sqft	\$ 11.50	\$ 558,268
Bldg		membrane roof system w/o insulation	15,475	sqft	\$ 9.50	\$ 147,013
<b>076200</b>		<b>Sheet Metal Flashings and Trim</b>				<b>\$ -</b>
All		sheet metal flashing and trim [by trade requiring]	1	lpsm	\$ -	\$ -
<b>077100</b>		<b>Roof Specialties</b>				<b>\$ 271,125</b>
Bldg		metal fascia w/subframing	1,205	lnft	\$ 225.00	\$ 271,125
<b>078413</b>		<b>Through Penetration Firestopping Systems</b>				<b>\$ -</b>
All		penetration firestopping [by trade requiring]	1	lpsm	\$ -	\$ -

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A	PH					
<b>078446</b>		<b>Fire-Resistive Joint Systems</b>				<b>\$ 13,500</b>
Bldg		firestopping @ head of rated CMU partition walls	450	lnft	\$ 30.00	\$ 13,500
Bldg		firestopping @ head of rated metal stud and drywall partition walls [w/092116]	1	lpsm	\$ -	\$ -
<b>079200</b>		<b>Joint Sealants</b>				<b>\$ 42,796</b>
Bldg		joint sealant @ CMU/veneer joints	1	lpsm	\$ 30,000.00	\$ 30,000
Bldg		joint sealant @ slab-on-grade	36,560	sqft	\$ 0.35	\$ 12,796
<b>Division 080000 - Openings</b>						<b>\$ 685,600</b>
<b>080000</b>		<b>Openings</b>				<b>\$ 91,200</b>
Bldg		hollow metal frame(s), hollow metal and wood door(s), and door hardware [avg. per opening]	52	opng	\$ 1,725.00	\$ 89,700
Bldg		interior borrowed lite frame(s) [material]	5	each	\$ 300.00	\$ 1,500
<b>083213</b>		<b>Sliding Aluminum-Framed Glass Doors</b>				<b>\$ 10,000</b>
Bldg		bi-parting automatic sliding door	1	each	\$ 10,000.00	\$ 10,000
<b>083323</b>		<b>Overhead Coiling Doors</b>				<b>\$ 161,000</b>
Bldg		26' x 14' insulated rapid coiling overhead door	2	each	\$ 30,000.00	\$ 60,000
Bldg		12' x 14' insulated coiling overhead door	8	each	\$ 8,500.00	\$ 68,000
Bldg		6' x 10' insulated coiling overhead door	3	each	\$ 5,250.00	\$ 15,750
Bldg		12' x 10' interior coiling overhead door	3	each	\$ 3,750.00	\$ 11,250
Bldg		6' x 10' interior coiling overhead door	2	each	\$ 3,000.00	\$ 6,000
<b>084113</b>		<b>Aluminum-Framed Entrances and Storefronts</b>				<b>\$ 385,650</b>
Bldg		storefront system	3,390	vsf	\$ 85.00	\$ 288,150
Bldg		aluminum windows	620	vsf	\$ 75.00	\$ 46,500
Bldg		aluminum door w/hardware	12	leaf	\$ 4,250.00	\$ 51,000
<b>085659</b>		<b>Service and Teller Window Units</b>				<b>\$ 2,500</b>
Bldg		transaction window	1	each	\$ 2,500.00	\$ 2,500
<b>087113</b>		<b>Automatic Swinging Door Operators</b>				<b>\$ 19,500</b>
Bldg		automatic door operator	6	leaf	\$ 3,250.00	\$ 19,500
<b>088000</b>		<b>Glazing</b>				<b>\$ 15,750</b>
Bldg		mirrors	200	vsf	\$ 15.00	\$ 3,000
Bldg		borrowed lite, sidelite and door lite glazing	850	vsf	\$ 15.00	\$ 12,750



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A	PH					
<b>Division 090000 - Finishes</b>						<b>\$ 780,438</b>
<b>092116</b>		<b>Gypsum Board Assemblies</b>				<b>\$ 332,436</b>
Bldg		interior drywall partition [MS w/drywall both sides]	22,420	vsf	\$ 12.50	\$ 280,250
Bldg		interior drywall partition [2-3/8" MS w/drywall one side]	3,400	vsf	\$ 6.15	\$ 20,910
Bldg		drywall @ exterior CFMF wall	4,590	vsf	\$ 3.75	\$ 17,213
Bldg		drywall ceiling	2,250	sqft	\$ 6.25	\$ 14,063
<b>093000</b>		<b>Tiling</b>				<b>\$ 45,675</b>
Bldg		ceramic floor tile	1,350	sqft	\$ 16.50	\$ 22,275
Bldg		ceramic wall tile	1,560	sqft	\$ 15.00	\$ 23,400
<b>095100</b>		<b>Acoustical Ceilings</b>				<b>\$ 107,476</b>
Bldg		metal ceiling system	3,140	sqft	\$ 22.50	\$ 70,650
Bldg		acoustical tile ceiling system	8,665	sqft	\$ 4.25	\$ 36,826
<b>096500</b>		<b>Resilient Flooring</b>				<b>\$ 34,815</b>
Bldg		resilient flooring	3,000	sqft	\$ 8.25	\$ 24,750
Bldg		resilient base	3,355	lnft	\$ 3.00	\$ 10,065
<b>096600</b>		<b>Terrazzo Flooring</b>				<b>\$ 94,200</b>
Bldg		3/8" epoxy terrazzo flooring @ Public Concourse and Vestibules	3,140	sqft	\$ 30.00	\$ 94,200
<b>096700</b>		<b>Fluid-Applied Flooring</b>				<b>\$ 15,000</b>
Bldg		epoxy floor striping/directional markings	1	lpsm	\$ 15,000.00	\$ 15,000
<b>096813</b>		<b>Tile Carpeting</b>				<b>\$ 26,000</b>
Bldg		carpet tile	650	sqyd	\$ 40.00	\$ 26,000
<b>099113</b>		<b>Exterior Painting</b>				<b>\$ 25,000</b>
Bldg		misc. exterior painting	1	lpsm	\$ 25,000.00	\$ 25,000
<b>099123</b>		<b>Interior Painting</b>				<b>\$ 99,836</b>
Bldg		painting @ public/admin area	10,985	sqft	\$ 2.25	\$ 24,716
Bldg		painting @ vehicle storage and maintenance areas	37,560	sqft	\$ 2.00	\$ 75,120
<b>Division 100000 - Specialties</b>						<b>\$ 292,625</b>
<b>101400</b>		<b>Signage</b>				<b>\$ 75,000</b>
Bldg		exterior and interior signage	1	lpsm	\$ 75,000.00	\$ 75,000



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A	PH					
<b>102113</b>		<b>Toilet Compartments</b>				<b>\$ 13,400</b>
Bldg		standard stall	10	each	\$ 750.00	\$ 7,500
Bldg		handicap stall	4	each	\$ 1,350.00	\$ 5,400
Bldg		urinal screen	2	each	\$ 250.00	\$ 500
<b>102213</b>		<b>Wire Mesh Partitions</b>				<b>\$ 18,750</b>
Bldg		wire mesh partition w/gate(s) @ vehicle maintenance	750	sqft	\$ 25.00	\$ 18,750
<b>102800</b>		<b>Toilet, Bath and Laundry Accessories</b>				<b>\$ 19,350</b>
Bldg		toilet accessories	1	lpsm	\$ 19,350.00	\$ 19,350
Bldg		installation labor [w/061053]	1	lpsm	\$ -	\$ -
<b>104400</b>		<b>Fire Protection Specialties</b>				<b>\$ 2,625</b>
Bldg		fire extinguisher cabinet	6	each	\$ 225.00	\$ 1,350
Bldg		fire extinguisher	15	each	\$ 75.00	\$ 1,125
Fuel		fire extinguisher	2	each	\$ 75.00	\$ 150
Bldg		installation labor [w/061053]	1	lpsm	\$ -	\$ -
<b>105113</b>		<b>Metal Lockers</b>				<b>\$ 15,000</b>
Bldg		lockers/cubbies	1	lpsm	\$ 15,000.00	\$ 15,000
<b>107316</b>		<b>Canopies</b>				<b>\$ 148,500</b>
Fuel		canopy @ fueling station	2,700	sqft	\$ 55.00	\$ 148,500
<b>Division 110000 - Equipment</b>						<b>\$ 312,610</b>
<b>111100</b>		<b>Vehicle Service Equipment</b>				<b>\$ 312,610</b>
Bldg		portable vehicle lift(s)	8	each	\$ 20,310	\$ 162,480
Bldg		tire changing/rotating machine	1	each	\$ 27,500	\$ 27,500
Bldg		tire balancing machine	1	each	\$ 28,880	\$ 28,880
Bldg		lubricating fluid distribution system	1	lpsm	\$ 56,250.00	\$ 56,250
Bldg		misc. vehicle service equipment	1	lpsm	\$ 37,500.00	\$ 37,500
<b>113013</b>		<b>Residential Appliances</b>				<b>\$ -</b>
Bldg		residential appliances	1	lpsm	\$ -	NIC
<b>Division 120000 - Furnishings</b>						<b>\$ 5,025</b>
<b>122413</b>		<b>Roller Window Shades</b>				<b>\$ 5,025</b>
Bldg		roller window shades	335	sqft	\$ 15.00	\$ 5,025

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SD Estimate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
<b>125000</b>		<b>Furniture</b>				<b>\$ -</b>
Bldg		furniture and loose furnishings	1	lpsm	\$ -	NIC
<b>Division 210000 - Fire Suppression</b>						<b>\$ 302,520</b>
<b>210000</b>		<b>Fire Suppression</b>				<b>\$ 302,520</b>
Bldg		6" double-check backflow preventer/riser assembly	1	lpsm	\$ 12,500.00	\$ 12,500
Bldg		fire pump	1	lpsm	\$ 55,000.00	\$ 55,000
Bldg		wet system fire protection	20,220	sqft	\$ 3.50	\$ 70,770
Bldg		dry system fire protection	43,800	sqft	\$ 3.75	\$ 164,250
<b>Division 220000 - Plumbing</b>						<b>\$ 732,540</b>
<b>220000</b>		<b>Plumbing</b>				<b>\$ 732,540</b>
		<b>Water Service</b>				
Bldg		water service entry w/booster pump	1	lpsm	\$ 35,000.00	\$ 35,000
Bldg		gas fired water heater(s) w/recirculating pump(s)	1	lpsm	\$ 25,000.00	\$ 25,000
		<b>Piping and Insulation</b>				
Bldg		domestic water, sanitary waste and vent connections	73	fixture	\$ 3,250.00	\$ 237,250
		<b>Roof Drainage</b>				
Bldg		roof drainage system	64,020	sqft	\$ 1.25	\$ 80,025
		<b>Plumbing Fixtures/Equipment</b>				
Bldg		water closet	16	each	\$ 1,830.00	\$ 29,280
Bldg		urinal	4	each	\$ 1,605.00	\$ 6,420
Bldg		wash basin	1	each	\$ 5,500.00	\$ 5,500
Bldg		wall-hung lavatory w/trim	1	each	\$ 2,575.00	\$ 2,575
Bldg		counter lavatory w/trim	13	each	\$ 2,350.00	\$ 30,550
Bldg		double bowl stainless steel sink w/trim	4	each	\$ 1,250.00	\$ 5,000
Bldg		shower w/trim	2	each	\$ 1,980.00	\$ 3,960
Bldg		electric water cooler	2	each	\$ 2,235.00	\$ 4,470
Bldg		mop basin	2	each	\$ 1,725.00	\$ 3,450
Bldg		emergency shower/eye wash	2	each	\$ 10,000.00	\$ 20,000
Bldg		interior hose bibb	12	each	\$ 755.00	\$ 9,060
Bldg		exterior wall hydrant	6	each	\$ 925.00	\$ 5,550
Bldg		trench drain	670	lnft	\$ 175.00	\$ 117,250
Bldg		3" shower drain	2	each	\$ 750.00	\$ 1,500
Bldg		3"/4" floor drain w/trap primer	6	each	\$ 950.00	\$ 5,700

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SD Estimate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
		<b>Compressed Air System</b>				
Bldg		air compressor, compressed air piping, and misc. valves fittings and sleeves	1	lpsm	\$ 55,000.00	\$ 55,000
		<b>Gas Piping</b>				
Bldg		natural gas piping to HVAC equipment and water heaters	1	lpsm	\$ 50,000.00	\$ 50,000
<b>Division 230000 - HVAC</b>						<b>\$ 1,204,600</b>
<b>230000</b>	<b>HVAC</b>					<b>\$ 1,204,600</b>
		<b>Public/Admin Areas</b>				
Bldg		VAV system w/electric reheat	10,985	sqft	\$ 30.00	\$ 329,550
Bldg		misc. area specific HVAC systems	10,985	sqft	\$ 5.00	\$ 54,925
		<b>Vehicle Storage and Maintenance Areas</b>				
Bldg		gas fired DOAS units, infrared radiant heaters, packaged RTU, unit heaters, etc.	37,560	sqft	\$ 15.00	\$ 563,400
Bldg		CO monitoring system	36,560	sqft	\$ 1.50	\$ 54,840
Bldg		vehicle exhaust system	1	lpsm	\$ 56,250.00	\$ 56,250
		<b>Building Automation System</b>				
Bldg		BAS system	48,545	sqft	\$ 3.00	\$ 145,635
<b>Division 260000 - Electrical</b>						<b>\$ 1,476,763</b>
<b>260000</b>	<b>Electrical</b>					<b>\$ 1,476,763</b>
		<b>Basic Electrical Requirements</b>				
Bldg		temporary power and lighting	48,545	sqft	\$ 0.50	\$ 24,273
		<b>Main Service and Distribution</b>				
Bldg		secondary service entry and main switchboard	1	lpsm	\$ 65,000.00	\$ 65,000
Bldg		distribution/branch panels and feeders	48,545	sqft	\$ 3.75	\$ 182,044
Fuel		distribution/branch panels and feeders	1	lpsm	\$ 10,000.00	\$ 10,000
		<b>Grounding System</b>				
Bldg		main service grounding system and lightning protection system	48,545	sqft	\$ 0.75	\$ 36,409

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48,545 SF



SD Estimate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
		<b>Emergency Power</b>				
Bldg		350 kW emergency generator, ATS, controls and wiring [diesel]	1	each	\$ 225,000.00	\$ 225,000
Bldg		emergency power distribution	48,545	sqft	\$ 0.50	\$ 24,273
		<b>Equipment Power Connections</b>				
Bldg		equipment power connections	48,545	sqft	\$ 1.50	\$ 72,818
Fuel		equipment power connections	1	lpsm	\$ 10,000.00	\$ 10,000
		<b>Branch Power Distribution</b>				
Bldg		power devices raceway/wiring/connection @ public/admin areas	10,985	sqft	\$ 6.50	\$ 71,403
Bldg		power devices raceway/wiring/connection @ vehicle storage and maintenance areas	37,560	sqft	\$ 3.00	\$ 112,680
		<b>Building/Interior Lighting</b>				
Bldg		normal and emergency lighting @ public/admin areas	10,985	sqft	\$ 13.50	\$ 148,298
Bldg		normal and emergency lighting @ vehicle storage and maintenance areas	37,560	sqft	\$ 5.25	\$ 197,190
Bldg		canopy lighting	15,475	sqft	\$ 5.00	\$ 77,375
		<b>Site Electrical and Lighting</b>				
Site		EV charging station(s)	4	each	\$ 7,500.00	\$ 30,000
Site		light pole(s)	6	each	\$ 7,500.00	\$ 45,000
Site		pedestrian light(s)	15	each	\$ 5,000.00	\$ 75,000
Site		light bollard(s)	20	each	\$ 2,500.00	\$ 50,000
Site		LED strip lighting under seating surface(s)	1	lpsm	\$ 20,000.00	\$ 20,000
<b>Division 270000 - Communications</b>						<b>\$ 157,771</b>
<b>270000</b>		<b>Communications</b>				<b>\$ 157,771</b>
		<b>Communications Cabling</b>				
Bldg		conduit/junction boxes/back boxes	48,545	sqft	\$ 1.25	\$ 60,681
Bldg		cable, devices and terminations	48,545	sqft	\$ 2.00	\$ 97,090
All		voice/data systems equipment and hardware	1	lpsm	\$ -	NIC
		<b>Audio-Video Systems</b>				
Bldg		audio-visual systems @ community room(s)	1	lpsm	\$ -	NIC

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SD Estimate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
<b>Division 280000 - Electronic Safety and Security</b>						<b>\$ 194,226</b>
<b>280000</b>		<b>Electronic Safety and Security</b>				<b>\$ 194,226</b>
		<b>Access Control System</b>				
Bldg		access control/security system (cabling, devices, terminations, equipment and hardware)	48,545	sqft	\$ 1.00	\$ 48,545
		<b>Video Surveillance System</b>				
Bldg		video surveillance system	1	lpsm	\$ 85,000.00	\$ 85,000
		<b>Fire Alarm System</b>				
Bldg		fire alarm system	48,545	sqft	\$ 1.25	\$ 60,681
<b>Division 310000 - Earthwork</b>						<b>\$ 663,328</b>
<b>310100</b>		<b>Maintenance of Earthwork</b>				<b>\$ 55,000</b>
Site		temporary construction entrance(s), access road(s), lay-down/staging area, and building access drive(s)	20,000	sqft	\$ 1.50	\$ 30,000
Site		general site maintenance/dust control	1	lpsm	\$ 25,000.00	\$ 25,000
<b>311000</b>		<b>Site Clearing</b>				<b>\$ 53,250</b>
Site		clearing and grubbing	1	lpsm	\$ 15,000.00	\$ 15,000
Site		strip and export topsoil	1,530	cuyd	\$ 25.00	\$ 38,250
<b>312000</b>		<b>Earth Moving</b>				<b>\$ 453,265</b>
Site		exploratory test pit(s) within footprint of former high school building	4	each	\$ 3,750.00	\$ 15,000
Site		2' undercut @ building and pavement areas [remove and recompact existing undocumented fill material]	15,050	cuyd	\$ 12.50	\$ 188,125
Site		cut and fill with on-site material	14,060	cuyd	\$ 6.50	\$ 91,390
Site		cut and export excess material/handle, stockpile, and export misc. spoils	2,500	cuyd	\$ 23.50	\$ 58,750
Site		allowance for removal and replacement of unsuitable soil	2,500	cuyd	\$ 40.00	\$ 100,000
<b>312200</b>		<b>Grading</b>				<b>\$ 71,838</b>
Site		establish and proofroll subgrade	184,750	sqft	\$ 0.25	\$ 46,188
Site		import and place topsoil	570	cuyd	\$ 45.00	\$ 25,650
<b>312500</b>		<b>Erosion and Sedimentation Controls</b>				<b>\$ 29,975</b>
Site		erosion and sedimentation control measures	4.85	acre	\$ 3,500.00	\$ 16,975
Site		concrete wash-out pit(s)	2	each	\$ 2,500.00	\$ 5,000

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SD Estimate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
Site		maintenance of e&s control measures	16	month	\$ 500.00	\$ 8,000
<b>Division 320000 - Exterior Improvements</b>						<b>\$ 1,256,200</b>
<b>321216</b>		<b>Asphalt Paving</b>				<b>\$ 131,000</b>
Site		asphalt pavement w/stone base	3,325	sqyd	\$ 35.00	\$ 116,375
Site		full depth reconstruction/patching of existing asphalt pavement @ new utility trenches and adjacent to new concrete pavement and curb(s)	1,950	sqft	\$ 7.50	\$ 14,625
<b>321313</b>		<b>Concrete Paving</b>				<b>\$ 639,227</b>
Site		concrete pavement w/stone base	68,275	sqft	\$ 7.25	\$ 494,994
Site		concrete sidewalk w/stone base [standard]	13,430	sqft	\$ 5.50	\$ 73,865
Site		concrete sidewalk w/stone base [decorative]	7,855	sqft	\$ 8.50	\$ 66,768
Fuel		concrete pavement @ Fueling island(s)	360	sqft	\$ 10.00	\$ 3,600
<b>321613</b>		<b>Cast-in-Place Concrete Curbs</b>				<b>\$ 77,866</b>
Site		6"x18" concrete curb	3,880	lnft	\$ 19.25	\$ 74,690
Fuel		6"x18" concrete curb @ Fueling	165	lnft	\$ 19.25	\$ 3,176
<b>321723</b>		<b>Pavement Markings</b>				<b>\$ 13,500</b>
Site		pavement markings	1	lpsm	\$ 13,500.00	\$ 13,500
<b>321724</b>		<b>Traffic Sign and Supports</b>				<b>\$ 5,950</b>
Site		traffic sign(s)	15	each	\$ 350.00	\$ 5,250
Site		HC parking sign(s)	2	each	\$ 350.00	\$ 700
<b>321726</b>		<b>Tactile Warning Surfacing</b>				<b>\$ 45,625</b>
Site		truncated dome paver(s)	1,825	sqft	\$ 25.00	\$ 45,625
<b>323100</b>		<b>Fences and Gates</b>				<b>\$ 138,765</b>
Site		8' ornamental security fence	552	lnft	\$ 95.00	\$ 52,440
Site		4' ornamental security fence	75	lnft	\$ 65.00	\$ 4,875
Site		pivot lift gate(s) w/operator(s)	4	each	\$ 17,500.00	\$ 70,000
Site		4' pedestrian gate(s)	3	each	\$ 2,150.00	\$ 6,450
Site		swing gate(s) @ trash enclosure	1	lpsm	\$ 5,000.00	\$ 5,000
<b>323300</b>		<b>Site Furnishings</b>				<b>\$ 93,080</b>
Site		table and chairs [material]	2	each	\$ 6,500.00	\$ 13,000
Site		community table and bar stools [material]	1	each	\$ 4,000.00	\$ 4,000
Site		flight bench(es) [material]	10	each	\$ 2,325.00	\$ 23,250
Site		wall mounted bench(es) [material]	2	each	\$ 1,750.00	\$ 3,500

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SD Estimate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
Site		bicycle rack (material)	14	each	\$ 450.00	\$ 6,300
Site		litter bin [material]	6	each	\$ 1,925.00	\$ 11,550
Site		misc. site furnishings [material]	1	lpsm	\$ 10,000.00	\$ 10,000
Site		labor to install site furnishings	1	lpsm	\$ 21,480.00	\$ 21,480
<b>329200</b>		<b>Turf and Grasses</b>				<b>\$ 12,987</b>
Site		sod @ lawn areas	3,092	sqft	\$ 2.50	\$ 7,730
Site		lawn seeding	15,020	sqft	\$ 0.35	\$ 5,257
<b>329000</b>		<b>Planting</b>				<b>\$ 98,200</b>
Site		canopy tree [3-4" caliper]	20	each	\$ 750.00	\$ 15,000
Site		ornamental tree [10-12' ht. clump form]	6	each	\$ 500.00	\$ 3,000
Site		shrubs/perennials/grasses/groundcover	10,000	sqft	\$ 5.00	\$ 50,000
Site		planting soil	520	cuyd	\$ 45.00	\$ 23,400
Site		mulch	170	cuyd	\$ 40.00	\$ 6,800
<b>Division 330000 - Utilities</b>						<b>\$ 1,512,645</b>
<b>331000</b>		<b>Water Utilities</b>				<b>\$ 239,650</b>
Site		6" CL52 DIP water line	1,830	lnft	\$ 105.00	\$ 192,150
Site		fire hydrant	3	each	\$ 4,500.00	\$ 13,500
Site		connect to existing water main	4	each	\$ 8,500.00	\$ 34,000
<b>333000</b>		<b>Sanitary Sewer System</b>				<b>\$ 141,395</b>
Site		12" SDR 35 PVC sanitary sewer	220	lnft	\$ 82.50	\$ 18,150
Site		8" SDR 35 PVC sanitary sewer	570	lnft	\$ 65.00	\$ 37,050
Site		6" SDR 35 PVC sanitary sewer	170	lnft	\$ 58.50	\$ 9,945
Site		sanitary sewer manhole	5	each	\$ 4,750.00	\$ 23,750
Site		oil/water separator(s)	1	lpsm	\$ 35,000.00	\$ 35,000
Site		connect to existing sanitary sewer	5	each	\$ 3,500.00	\$ 17,500
<b>334000</b>		<b>Stormwater Utilities</b>				<b>\$ 344,500</b>
Site		6" - 27" HDPE storm sewer piping	1,050	lnft	\$ 85.00	\$ 89,250
Site		storm sewer manhole	7	each	\$ 4,250.00	\$ 29,750
Site		storm sewer catch basin	11	each	\$ 3,000.00	\$ 33,000
Site		underground stormwater detention system	17,500	cuft	\$ 10.00	\$ 175,000
Site		connect to existing storm sewer	5	each	\$ 3,500.00	\$ 17,500
<b>335200</b>		<b>Natural Gas Distribution</b>				<b>\$ -</b>
Site		natural gas service to BCRTA building [by Glenwood Energy]	1	lpsm	\$ -	NIC



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SD Estimate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
<b>335216</b>		<b>Diesel Fuel Transmission and Distribution</b>				<b>\$ 325,000</b>
Fuel		diesel fuel distribution system w/dispenser(s)	1	lpsm	\$ 175,000.00	\$ 175,000
Fuel		diesel exhaust fluid [DEF] system w/above ground storage	1	lpsm	\$ 150,000.00	\$ 150,000
<b>335633</b>		<b>Underground Fuel Storage</b>				<b>\$ 370,000</b>
Fuel		10,000 gallon below ground double wall diesel storage tank	2	each	\$ 185,000.00	\$ 370,000
<b>337000</b>		<b>Electrical Utilities</b>				<b>\$ 51,950</b>
Site		Duke Energy fee for primary electric service	1	lpsm	\$ -	NIC
Site		primary electric ductbank [2-4" PVC conduit]	730	lnft	\$ 65.00	\$ 47,450
Site		transformer pad	1	each	\$ 4,500.00	\$ 4,500
<b>338000</b>		<b>Communications Utilities</b>				<b>\$ 40,150</b>
Site		communications ductbank [4" PVC conduit w/innerducts]	730	lnft	\$ 55.00	\$ 40,150

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Alternate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
<b>Alternate 1: Vehicle Wash Facility</b>						
<b>Division 030000 - Concrete</b>						<b>\$ 130,179</b>
033000		<b>Cast-in-Place Concrete</b>				<b>\$ 130,179</b>
		<b>Concrete Foundations</b>				
Alt1		perimeter spread footing w/reinforcement	120	cuyd	\$ 475.00	\$ 57,000
Alt1		spread footing w/reinforcement @ interior CMU walls	14	cuyd	\$ 450.00	\$ 6,300
Alt1		LSM @ perimeter spread footing	80	cuyd	\$ 225.00	\$ 18,000
		<b>Concrete Slab-on-Grade</b>				
Alt1		8" slab-on-grade w/6" stone base	3,565	sqft	\$ 7.75	\$ 27,629
		<b>Miscellaneous Concrete</b>				
Alt1		mechanical/electrical equipment pads	500	sqft	\$ 15.00	\$ 7,500
Alt1		sump pit	1	lpsm	\$ 10,000.00	\$ 10,000
Alt1		frost slab(s) @ building entrance(s)	125	sqft	\$ 30.00	\$ 3,750
<b>Division 040000 - Masonry</b>						<b>\$ 388,150</b>
042000		<b>Unit Masonry</b>				<b>\$ 388,150</b>
Alt1		exterior CMU wall w/fluid-applied membrane air barrier	6,300	vsf	\$ 26.50	\$ 166,950
Alt1		brick veneer w/rigid insulation	6,300	vsf	\$ 28.25	\$ 178,000
Alt1		interior CMU partitions	2,160	vsf	\$ 20.00	\$ 43,200
<b>Division 050000 - Metals</b>						<b>\$ 93,391</b>
051200		<b>Structural Steel Framing</b>				<b>\$ 72,000</b>
Alt1		structural steel beams and roof joist	18	ton	\$ 4,000.00	\$ 72,000
053100		<b>Steel Decking</b>				<b>\$ 16,043</b>
Alt1		metal roof deck	3,565	sqft	\$ 4.50	\$ 16,043
055000		<b>Metal Fabrications</b>				<b>\$ 5,348</b>
Alt1		miscellaneous steel [lintels, BP's, misc. angles, etc.]	3,565	sqft	\$ 1.50	\$ 5,348
<b>Division 060000 - Wood, Plastics and Composites</b>						<b>\$ 11,820</b>
061053		<b>Miscellaneous Rough Carpentry</b>				<b>\$ 11,820</b>
Alt1		wood roof blocking	504	lnft	\$ 17.50	\$ 8,820
Alt1		labor to install doors/frames/hardware	5	opng	\$ 600.00	\$ 3,000

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Alternate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
<b>Division 070000 - Thermal and Moisture Protection</b>						<b>\$ 59,200</b>
071400		<b>Fluid-Applied Waterproofing</b>				<b>\$ 3,500</b>
Alt1		waterproofing @ sump pit	1	lpsm	\$ 3,500.00	\$ 3,500
072100		<b>Thermal Insulation</b>				<b>\$ 2,772</b>
Alt1		foundation insulation	1,008	sqft	\$ 2.75	\$ 2,772
075000		<b>Membrane Roofing</b>				<b>\$ 40,998</b>
Alt1		membrane roof system w/insulation	3,565	sqft	\$ 11.50	\$ 40,998
077100		<b>Roof Specialties</b>				<b>\$ 6,930</b>
Alt1		metal parapet coping	252	lnft	\$ 27.50	\$ 6,930
079200		<b>Joint Sealants</b>				<b>\$ 5,000</b>
Alt1		joint sealant @ CMU/veneer joints	1	lpsm	\$ 5,000.00	\$ 5,000
<b>Division 080000 - Openings</b>						<b>\$ 35,575</b>
080000		<b>Openings</b>				<b>\$ 13,325</b>
Alt1		3' x 7' door opening w/hollow metal frame, hollow metal door, and door hardware [material]	3	opng	\$ 1,725.00	\$ 5,175
Alt1		6' x 7' door opening w/hollow metal frame, hollow metal doors, and door hardware [material]	1	opng	\$ 2,800.00	\$ 2,800
Alt1		6' x 7' door opening w/stainless steel frame, stainless steel doors, and door hardware [material]	1	opng	\$ 5,350.00	\$ 5,350
Alt1		installation labor [w/061053]	1	lpsm	\$ -	\$ -
083323		<b>Overhead Coiling Doors</b>				<b>\$ 22,250</b>
Alt1		12' x 14' insulated coiling overhead door	2	each	\$ 8,500.00	\$ 17,000
Alt1		6' x 10' insulated coiling overhead door	1	each	\$ 5,250.00	\$ 5,250
<b>Division 090000 - Finishes</b>						<b>\$ 22,561</b>
099113		<b>Exterior Painting</b>				<b>\$ 5,000</b>
Alt1		misc. exterior painting	1	lpsm	\$ 5,000.00	\$ 5,000
099123		<b>Interior Painting</b>				<b>\$ 17,561</b>
Alt1		interior painting [CMU]	10,620	vsf	\$ 1.15	\$ 12,213
Alt1		interior painting [roof deck]	3,565	sqft	\$ 1.50	\$ 5,348

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Alternate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
<b>Division 100000 · Specialties</b>						<b>\$ 150</b>
104400		<b>Fire Protection Specialties</b>				<b>\$ 150</b>
Alt1		fire extinguisher	2	each	\$ 75.00	\$ 150
<b>Division 110000 · Equipment</b>						<b>\$ 425,000</b>
111100		<b>Vehicle Service Equipment</b>				<b>\$ 425,000</b>
Alt1		vehicle wash system	1	lpsm	\$ 425,000.00	\$ 425,000
<b>Division 210000 · Fire Suppression</b>						<b>\$ 12,478</b>
210000		<b>Fire Suppression</b>				<b>\$ 12,478</b>
Alt1		wet system fire protection	3,565	sqft	\$ 3.50	\$ 12,478
<b>Division 220000 · Plumbing</b>						<b>\$ 143,913</b>
220000		<b>Plumbing</b>				<b>\$ 143,913</b>
		<b>Water Service</b>				
Alt1		water service and misc. plumbing distribution	1	lpsm	\$ 25,000.00	\$ 25,000
		<b>Roof Drainage</b>				
Alt1		roof drainage system	3,565	sqft	\$ 2.50	\$ 8,913
		<b>Water Reclaim and Treatment System</b>				
Alt1		water reclaim and treatment system(s) @ vehicle wash building	1	lpsm	\$ 100,000.00	\$ 100,000
		<b>Gas Piping</b>				
Alt1		natural gas piping to HVAC equipment and water heaters	1	lpsm	\$ 10,000.00	\$ 10,000
<b>Division 230000 · HVAC</b>						<b>\$ 53,475</b>
230000		<b>HVAC</b>				<b>\$ 53,475</b>
		<b>Vehicle Wash Building</b>				
Alt1		gas fired DOAS unit, infrared radiant heaters, etc.	3,565	sqft	\$ 15.00	\$ 53,475
<b>Division 260000 · Electrical</b>						<b>\$ 38,500</b>
260000		<b>Electrical</b>				<b>\$ 38,500</b>
		<b>Basic Electrical Requirements</b>				
Alt1		temporary power and lighting	1	lpsm	\$ 3,500.00	\$ 3,500

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Alternate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
		<b>Main Service and Distribution</b>				
Alt1		distribution/branch panels and feeders	1	lpsm	\$ 15,000.00	\$ 15,000
		<b>Equipment Power Connections</b>				
Alt1		equipment power connections	1	lpsm	\$ 20,000.00	\$ 20,000
<b>Division 270000 · Communications</b>						<b>\$ 8,913</b>
<b>270000</b>		<b>Communications</b>				<b>\$ 8,913</b>
		<b>Communications Cabling</b>				
Alt1		conduit/junction boxes/back boxes	3,565	sqft	\$ 1.00	\$ 3,565
Alt1		cable, devices and terminations	3,565	sqft	\$ 1.50	\$ 5,348
<b>Division 280000 · Electronic Safety and Security</b>						<b>\$ 17,500</b>
<b>280000</b>		<b>Electronic Safety and Security</b>				<b>\$ 17,500</b>
		<b>Access Control System</b>				
Alt1		access control/security system (cabling, devices, terminations, equipment and hardware)	1	lpsm	\$ 7,500.00	\$ 7,500
		<b>Fire Alarm System</b>				
Alt1		fire alarm system	1	lpsm	\$ 10,000.00	\$ 10,000
<b>Division 330000 · Utilities</b>						<b>\$ 65,650</b>
<b>331000</b>		<b>Water Utilities</b>				<b>\$ 26,200</b>
Alt1		6" CL52 DIP water line	135	lnft	\$ 105.00	\$ 14,175
Alt1		2" Type K copper water line to Vehicle Wash Building	185	lnft	\$ 65.00	\$ 12,025
<b>333000</b>		<b>Sanitary Sewer System</b>				<b>\$ 24,350</b>
Alt1		6" SDR 35 PVC sanitary sewer	100	lnft	\$ 58.50	\$ 5,850
Alt1		oil/water separator(s)	1	lpsm	\$ 15,000.00	\$ 15,000
Alt1		connect to existing sanitary sewer	1	each	\$ 3,500.00	\$ 3,500
<b>334000</b>		<b>Stormwater Utilities</b>				<b>\$ 3,625</b>
Alt1		6" - 12" HDPE storm sewer piping	50	lnft	\$ 72.50	\$ 3,625
<b>335200</b>		<b>Natural Gas Distribution</b>				<b>\$ 11,475</b>
Alt1		gas piping from BCRTA building to Vehicle Wash Building	255	lnft	\$ 45.00	\$ 11,475

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Alternate Detail

CSI Code		Description of Work	Quantity	Unit of Measure	Unit Cost	Extended Total
A	PH					
<b>Total Direct Construction Cost</b>						<b>\$ 1,506,455</b>
Alt1		Design/Estimating/Escalation Contingency			7.50%	\$ 113,000
Alt1		Bonding/Insurance/OH&P			10.00%	\$ 161,950
<b>Total Construction Cost</b>						<b>\$ 1,781,405</b>

<b>Alternate 2: Rainwater Harvesting System</b>						
<b>Division 260000 - Electrical</b>						<b>\$ 7,500</b>
260000		<b>Electrical</b>				<b>\$ 7,500</b>
Alt2		equipment power connections	1	lpsm	\$ 7,500.00	\$ 7,500
<b>Division 330000 - Utilities</b>						<b>\$ 115,088</b>
334000		<b>Stormwater Utilities</b>				<b>\$ 115,088</b>
Alt2		6" - 12" HDPE storm sewer piping	415	lnft	\$ 72.50	\$ 30,088
Alt2		rain harvesting system w/20,000 gallon below ground rain harvesting tank	20,000	gallon	\$ 4.25	\$ 85,000
<b>Total Direct Construction Cost</b>						<b>\$ 122,588</b>
Alt2		Design/Estimating/Escalation Contingency			7.50%	\$ 9,200
Alt2		Bonding/Insurance/OH&P			10.00%	\$ 13,180
<b>Total Construction Cost</b>						<b>\$ 144,968</b>

<b>Alternate 3: Skylights at Vehicle Storage and Maintenance Areas</b>						
<b>Division 060000 - Wood, Plastics and Composites</b>						<b>\$ 6,300</b>
061053		<b>Miscellaneous Rough Carpentry</b>				<b>\$ 6,300</b>
Alt3		wood roof blocking	360	lnft	\$ 17.50	\$ 6,300
<b>Division 080000 - Openings</b>						<b>\$ 38,100</b>
086200		<b>Unit Skylights</b>				<b>\$ 38,100</b>
Alt3		3' x 3' unit skylight	30	each	\$ 850.00	\$ 25,500
Alt3		installation labor	1	lpsm	\$ 12,600.00	\$ 12,600
<b>Total Direct Construction Cost</b>						<b>\$ 44,400</b>
Alt3		Design/Estimating/Escalation Contingency			7.50%	\$ 3,300
Alt3		Bonding/Insurance/OH&P			10.00%	\$ 4,770
<b>Total Construction Cost</b>						<b>\$ 52,470</b>

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**Qualifications and Clarifications**

**General Qualifications and Clarifications**

1.	This estimate is based on the following design documents:
	A. Revised Floor Plans issued by Bowen+ [dated 1/27/22]
	B. Schematic Design Plan Set issued by Bowen+ [dated 12/17/21]
	C. Schematic Design MEP Narrative issued by Urban Engineers [dated 12/20/21]
	D. Geotechnical Engineering Report issued by Terracon Consultants [dated 12/17/21]
2.	This estimate is based on the assumption that all materials incorporated into the project will be exempt from state and local sales tax.
3.	This estimate is based on the assumption that the project is subject to prevailing wage requirements.
4.	Project schedule: assumed construction start 3rd quarter 2022 and construction completion 4th quarter 2023 [approximate 16 month construction duration].
5.	This estimate includes the following allowances:
	\$30,000 for building permit fee(s)
	\$28,000 for hazardous material abatement
	\$100,000 for removal and replacement of unsuitable soil

**Exclusions**

Costs related to the following items are not included in the construction cost estimate; however, the items may be required as part of the overall project development cost.

1.	Architectural/engineering fee(s)
2.	Zoning/plan review fee(s)
3.	Utility company fee(s)
4.	Utility connection/tap fee(s)
5.	Independent testing and inspection
6.	Independent commissioning
7.	Builder's risk insurance
8.	Furniture and loose furnishings
9.	Bike lockers
10.	Residential appliances
11.	Voice/data system(s) equipment and hardware
12.	Audio-visual systems
13.	Removal of underground storage tank(s)
14.	Remediation of contaminated soil
15.	Natural gas service
16.	South Main Street improvements