

GoTriangle RFQ 24-048

Exhibit H

2022 Regional Fleet & Facilities Study

BOMF Estimate of Probable Cost

(10 pages - including this page)



OPINION OF PROBABLE COST - SD LEVEL DESIGN DOCUMENTS						
PROJECT: Go Triangle - Nelson Road						
	Quantity	Units	Unit Cost (\$)	Total Cost	Assumptions	Division Subtotal
Division 1 - General Conditions						\$2,070,101.05
Mobilization	1.0	ls	\$1,676,021.05	\$1,676,021.05	10% of construction trade costs. Added per comment from Bong Vang	
Temporary Facilities	1.0	ls	\$200,000.00	\$200,000.00	Allowance used until detailed SOW is developed. Added per comment from Paige Cureton	
Phasing / Movement Management	1.0	ls	\$100,000.00	\$100,000.00	Allowance used until detailed SOW is developed. Added per comment from Paige Cureton	
MAINTENANCE & UPGRADES						
Skilled workers for minor renovation and re-org	800.0	mh	\$87.60	\$70,080.00		
Misc supplies allowance for relocation, small repair, touch-up	1.0	ls	\$24,000.00	\$24,000.00		
Division 2 - Existing Conditions						\$1,027,739.67
Temporary Paratransit Maintenance Bays	1.0	ls	\$500,000.00	\$500,000.00	Allowance used until detailed SOW is developed. Added per comment from Paige Cureton	
Dump fees	1.0	ls	\$300,000.00	\$300,000.00	Allowance used until detailed SOW is developed. Added per comment from Bong Vang	
MAINTENANCE & UPGRADES						
Demolition of existing walls	1750.0	sf	\$7.01	\$12,264.00		
Demolition of walls	880.0	sf	\$7.01	\$6,167.04		
SITE UPGRADES						
Removal of existing CCTV	1.0	ls	\$5,000.00	\$5,000.00		
SITE IMPROVEMENTS						
Demo Curb	2256.1	lf	\$14.02	\$31,620.85		
Demo Asphalt Paving	11784.6	sf	\$7.01	\$82,586.68		
Demo Walks	1072.3	sf	\$7.01	\$7,514.41		
2 STORY ADDITION						
Demo Asphalt Paving,, curb, walks	11784.6	sf	\$7.01	\$82,586.68		
Division 3 - Concrete					Bong Vang comments incorporated in takeoff. See backup sheets	\$332,153.13

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	Quantity	Units	Unit Cost (\$)	Total Cost	Assumptions	Division Subtotal
MAINTENANCE & UPGRADES						
Foundation			\$25.49	\$0.00		
2 STORY ADDITION						
Form Block out For Columns	160.0	lf	\$17.52	\$2,803.20		
Form Const.Joint @ SOG	30.0	lf	\$17.52	\$525.60		
Rebar Per Take-Off	2.0	tn	\$5,385.20	\$10,770.40		
6" x 6" x 6/6	2.0	tn	\$3,995.28	\$7,990.56		
Place Rectangular Spot Footing	79.3	cy	\$291.40	\$23,095.20		
Place Cont. Footing	294.2	cy	\$291.40	\$85,743.28		
Place Slab on Fill	120.0	cy	\$291.40	\$34,961.30		
Polish Finish Slab on Grade	9348.9	sf	\$12.00	\$112,186.30		
Curing Compound Horiz.Surface+dowels	9348.9	sf	\$5.78	\$54,077.29		
Division 4 - Masonry					Bong Vang comments incorporated in takeoff. See backup sheets	\$543,297.20
MAINTENANCE & UPGRADES						
Brick walls, 12" thick	1150.0	sf	\$22.20	\$25,530.00		
2 STORY ADDITION						
Modular Face Brick	8000.0	sf		\$127,600.00		
Mortar	1.0	ls		\$50,000.00		
Scaffolding	1.0	ls		\$50,000.00		
8x8x16 Std. CMU Block	8000.0	sf		\$215,200.00		
CMU Conc. Fill	20.0	cy		\$3,451.20		
Horizontal Reinforcing	3.0	tn		\$21,516.00		
Scaffolding	1.0	ls		\$50,000.00		
Division 5 - Steel					Bong Vang comments incorporated in takeoff. See backup sheets	\$1,816,507.38

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	Quantity	Units	Unit Cost (\$)	Total Cost	Assumptions	Division Subtotal
SITE UPGRADES						
New canopy, 30' high	7500.0	sf	\$50.00	\$375,000.00		
2 STORY ADDITION						
Bus Canopy allowance(structural, concrete, etc.)	1.0	ls	\$750,000.00	\$750,000.00		
Structural Steel Erection / Tons	20.0	tn	\$4,918.00	\$98,360.00		
WF Beams	10.0	tn	\$4,918.00	\$49,180.00		
Tube Stl.Beams	10.0	tn	\$4,918.00	\$49,180.00		
Channel Framing	5.0	tn	\$4,918.00	\$24,590.00		
Angle Framing	2.0	tn	\$4,918.00	\$9,836.00		
Steel Girders /ton	5.0	tn	\$4,918.00	\$24,590.00		
10K1 Joist	47.7	lf	\$25.96	\$1,239.00		
Crane + operator	1.0	ls	\$250,000.00	\$250,000.00		
12K1 Joist	745.2	lf	\$25.96	\$19,342.28		
14K1 Joist	386.1	lf	\$25.96	\$10,022.10		
1-1/2" Metal Roof Deck Intermediate Rib	10400.0	sf	\$14.92	\$155,168.00		
Division 6 - Wood						\$60,000.00
MAINTENANCE & UPGRADES						
Custom cabinetry	1.0	ls	\$60,000.00	\$60,000.00		
Division 7 - Thermal & Moisture Protection						\$229,003.99
MAINTENANCE & UPGRADES						
Roof	1000.0	sf	\$25.49	\$25,491.71		
2 STORY ADDITION						
Fluid Applied Damp proofing	7797.1	sf	\$1.50	\$11,658.84		
3" Roof Insulation Board	10000.0	sf	\$6.45	\$64,528.00		

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	Quantity	Units	Unit Cost (\$)	Total Cost	Assumptions	Division Subtotal
sheathing	10000.0	sf	\$4.45	\$44,528.00		
10mil Poly Vapor Barrier	12000.0	sf	\$1.10	\$13,213.44		
50 mil EPDM Roofing	10000.0	sf	\$5.00	\$50,040.00		
Copper Thru-Wall Flashing	500.0	lf	\$39.09	\$19,544.00		
Division 8 - Storefront, windows						\$172,339.20
2 STORY ADDITION						
Storefront (Clerestory)	600.0	sf	\$174.53	\$104,716.80		
Doors/Frames/ hardware	40.0	sets	\$1,690.56	\$67,622.40		
Division 9 - Finishes						\$680,974.71
MAINTENANCE & UPGRADES						
Drywall partition on metal stud, FR offices	1200.0	sf	\$7.00	\$8,400.00		
Shell	1000.0	sf	\$118.96	\$118,961.33		
Construction of 12" walls	1430.0	sf	\$58.47	\$83,613.39		
2 STORY ADDITION						
framing, painting, flooring, etc.	11000.0	sf	\$40.00	\$440,000.00		
patch existing openings/walls	1.0	ls	\$30,000.00	\$30,000.00		
Division 10 - Specialties						\$535,880.00
MAINTENANCE & UPGRADES						
Garage doors, awnings	2.0	ea	\$10,392.00	\$20,784.00		
Stairs	1.0	unit	\$12,096.00	\$12,096.00		
Garage door	1.0	ea	\$3,000.00	\$3,000.00		
2 STORY ADDITION						
Furniture, Equipment and Furnishings	1.0	ls	\$500,000.00	\$500,000.00	Increased per comment from Paige Cureton	
Division 11 - Furnishings					Bong Vang comments incorporated in takeoff. See backup sheets	\$328,000.00

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MAINTENANCE & UPGRADES						
4 walls x 8' high bay 5 & 6, modular system - office mezz	800.0	sf	\$66.00	\$52,800.00		
4 walls x 8' high bay 5 & 6, modular system - office training	600.0	sf	\$42.00	\$25,200.00		
2 STORY ADDITION						
Outdoor furnishings, landscaping, restoration	1.0	ls	\$500,000.00	\$250,000.00	Increased per comment from Paige Cureton. Scope to be determined later	
Division 12 - Equipment						\$1,505,360.00
MAINTENANCE & UPGRADES						
Tire bay accessories	1.0	ls	\$91,200.00	\$91,200.00		
Added equipment not identified	1.0	ls	\$1,000,000.00	\$500,000.00		
Stertil Koni ECO 60 Lift	1.0	ea	\$180,000.00	\$180,000.00		
Sliding shelving, 7'wx5'dx6' high	40.0	ea	\$3,000.00	\$120,000.00		
Lockable chain-link fence, 8' high	20.0	lf	\$60.00	\$1,200.00		
Scissor Lift 3000lb	1.0	ea	\$12,960.00	\$12,960.00		
Additional shop equipment ⁴	1.0	ls	\$500,000.00	\$500,000.00	Added per comment from Paige Cureton. Scope will be determined later	
Additional computers, etc. ⁴	1.0	ls	\$100,000.00	\$100,000.00		
Division 21 - Fire Suppression						
2 STORY ADDITION	11,000.0	sf	\$5.00	\$55,000.00	Allowance until scope is determined	\$55,000.00
Division 22 - Plumbing						
2 STORY ADDITION	11,000.0	sf	\$12.00	\$132,000.00		\$132,000.00
Division 23 - HVAC						
2 STORY ADDITION	11000.0	sf	\$25.00	\$275,000.00		\$275,000.00
Division 26 - Electrical						\$1,267,539.20
MAINTENANCE & UPGRADES						
Services for offices	1400.0	sf	\$45.00	\$63,000.00		

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	Quantity	Units	Unit Cost (\$)	Total Cost	Assumptions	Division Subtotal
SITE UPGRADES						
Site lighting, 40' high LED, 1000 W including poles and bases	35.0	ea	\$6,401.60	\$224,056.00		
SITE IMPROVEMENTS						
Site lighting	1.0	ls	\$250,000.00	\$250,000.00		
BUILDING SYSTEMS UPGRADES						
Power						
New gas engine generator set - 120 KW	1.0	ea	\$69,319.20	\$69,319.20		
Lighting upgrade - mezzanine						
New receptacles, max 8 ea / 400sf	40.0	ea	\$264.80	\$10,592.00		
New lighting fixtures + wiring, fluorescent, max 11 fixtures/400sf	60.0	ea	\$483.60	\$29,016.00		
Lighting upgrade - maintenance bay						
New lighting for entire maintenance bay incl new expansion, 1000W high bay, max 4 fixture/900 sf	100.0	ea	\$1,188.00	\$118,800.00		
New task lighting	20.0	ea	\$387.80	\$7,756.00		
2 STORY ADDITION						
	11000.0	sf	\$45.00	\$495,000.00		
Division 28 - Security					Bong Vang comments incorporated in takeoff. See backup sheets	\$566,200.00
SITE UPGRADES						
Master monitor station	1.0	ea	\$1,560.00	\$1,560.00		
internet protocol network	1.0	ea	\$1,920.00	\$1,920.00		
Monitor, 19"	5.0	ea	\$1,020.00	\$5,100.00		
Surveillance station (CCTV)	1.0	ea	\$2,700.00	\$2,700.00		
Additional CCTV cameras	25.0	ea	\$1,176.00	\$29,400.00		
PA system - industrial	10.0	spkfr	\$552.00	\$5,520.00		
Upgrade Allowance ³	1.0	ls	\$250,000.00	\$250,000.00	Added per comment from Paige Cureton. Scope will be determined later	

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IT and Communications Allowance ³	1.0	ls	\$250,000.00	\$250,000.00	Added per comment from Paige Cureton. Scope will be determined later	
Wiring allowance	1.0	ls	\$20,000.00	\$20,000.00		
Division 31 - Earthwork					Bong Vang comments incorporated in takeoff. See backup sheets	\$52,893.29
SITE IMPROVEMENTS						
Stabilized Construction Entrance	10.0	tn	\$50.00	\$500.00		
4"-8" Rock For Berm	4.2	tn	\$50.00	\$210.55		
Silt Fence Sub / lf	3953.4	lf	\$1.98	\$7,832.14		
2 STORY ADDITION						
Excav. Footings(Machine)	500.0	cy	\$21.90	\$10,950.00		
Haul-off Spoil	450.0	cy	\$21.90	\$9,855.00		
Grade For Slab	10000.0	sf	\$1.31	\$13,140.00		
Stabilized Construction Entrance	5.0	tn	\$50.00	\$250.00		
4"-8" Rock For Berm	5.0	tn	\$50.00	\$250.00		
Silt Fence Sub / lf	5000.0	lf	\$1.98	\$9,905.60		
Division 32 - Exterior Improvements, Sitework					Bong Vang comments incorporated in takeoff. See backup sheets	\$6,186,242.71
SITE UPGRADES						
New chain-link fence, 10' high	700.0	lf	\$16.50	\$11,552.00		
Wire barbs	2000.0	lf	\$5.88	\$11,752.00		
MAINTENANCE & UPGRADES						
Side walks	1000.0	sf	\$29.39	\$29,385.22		
SITE IMPROVEMENTS						
Crushed Stone Base	2432.9	tn	\$22.90	\$55,712.68		
1.5" Asphalt Surface Course	437.0	tn	\$349.42	\$152,704.65		
2.5" Asphalt Surface Course	1247.3	tn	\$349.42	\$435,817.83		

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PROJECT: Go Triangle - Nelson Road						
	Quantity	Units	Unit Cost (\$)	Total Cost	Assumptions	Division Subtotal
3" Asphalt Base Course	906.6	tn	\$349.42	\$316,771.22		
Fine Grade @ Walks	1208.1	sf	\$29.39	\$35,500.35		
Place Conc.3000 PSI	15.6	cy	\$111.34	\$1,741.95		
Backfill Curb	263.2	cy	\$8.44	\$2,221.58		
Place Conc.3000 PSI	132.9	cy	\$111.34	\$14,794.68		
Finish Curb/Gutter	2733.4	lf	\$47.20	\$129,007.32		
2 STORY ADDITION						
Crushed Stone Base	3000.0	tn	\$22.90	\$68,700.00		
1.5" Asphalt Surface Course - 5500 sy	448.6	tn	\$349.42	\$156,747.63		
2.5" Asphalt Surface Course - 9500 sy	1291.4	tn	\$349.42	\$451,243.17		
3" Asphalt Base Course - 6000 sy	978.8	tn	\$349.42	\$341,994.83		
Excav. Walks	20.0	cy	\$87.60	\$1,752.00		
Fine Grade @ Walks	1208.1	sf	\$21.90	\$26,457.43		
Place Conc.3000 PSI	15.6	cy	\$261.40	\$4,089.60		
Broom Finish Sidewalks+curing compound	1208.1	sf	\$8.24	\$9,951.35		
Backfill Curb	263.2	cy	\$30.34	\$7,986.09		
Place Conc.3000 PSI	150.0	cy	\$261.40	\$39,210.00		
Construct new parking lot w/ utilities + landscaping	116000.0	sf	\$29.15	\$3,381,149.14		
Removal of unsuitable soil, replacement with engineered fill ⁵	1.0	ls	\$500,000.00	\$500,000.00		
Division 33 - Site Utilities						
Site Utility design and coordination ⁶	1.0	ls	\$350,000.00	\$350,000.00	Added per comments from Paige Cureton/Bong Vang. Scope will be determined later	\$350,000.00
Division 48 - Sustainability						
Potential Green Initiatives (PV system,)	1.0	ls	\$500,000.00	\$250,000.00	Added per comment from Paige Cureton. Scope will be determined later	\$250,000.00
Division XX - Stormwater/Water/Sanitary Sewer						

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	Quantity	Units	Unit Cost (\$)	Total Cost	Assumptions	Division Subtotal
Stormwater, Water, Sanitary	1.0	ls	\$1,243,801.11	\$1,243,801.11		
				\$0.00		
Total =				\$19,680,032.65		