SCHOOL DISTRICT OF MANAWA
BUILDINGS & GROUNDS COMMITTEE MEETING
AGENDA

Date: September 12, 2019 **Time: 5:30 p.m.** MES Board Room
800 Beech St., Manawa

Board Committee Members: R. Johnson (C), Scheller, Forbes

In Attendance:

Timer: _____ Recorder: _____

1. Endorse Selection of Fire Alarm Company
2. MES Roof Leaks (Information)
3. Referendum Project Updates (Information)
4. Alternative Add Options (Information/Action)
    a. Adding a Light Pack in HS Parking Lot
    b. HS Gym Roof Drains
        i. Lead pipes leaking at joints
        ii. Pinhole leaks
        iii. Packing joints/Replacing drain segments of drain lines
        iv. Asbestos testing
5. HS Air Quality Tests (Information)
6. MES Domestic Hot Water Heaters (Information)
7. Replacement of Pickup Truck (Information/Action)
8. Football Field (Information/Action)
    a. Field Boring Report
    b. Rettler Recommendation
9. Focus on Energy and Energy Efficiency Project Annual Reporting (Information)
10. Sale of Truck Plow Blade (No longer being used.) (Action)
11. Quote from S & S Excavating for MES Playground Drain Tile and Installing Wood Chips (Wood chips are being donated by Conroys at Bear Lake.) (Information/Action)
12. Quote on Tree Pruning from Mid-state Tree Service (Information/Action)
    a. Dead tree at west entry to HS.
    b. Decorative trees at MES growing into soffit or needing professional shaping.
    c. Tree branches partially growing over the light pack on the center utility pole on the west end of the HS parking lot.
13. LaForce Quotes for Additional Fobbed Entrances at MES (Information)
14. Buildings & Grounds Committee Planning Guide (Information)
15. Confirm Meeting Date: Wednesday, October 2, 2019, at 6:00 p.m.

a. Review RFP submittals
b. Regular Buildings & Grounds topics to follow RFPs
c. Other

16. Confirm Upcoming Meeting Dates:
    a. October 2, 2019 – 5:30 p.m. Includes Lawn Care RFP's
    b. November 13, 2019 – 5:30 p.m.
    c. December 11, 2019 – 5:30 p.m.
    d. January 8, 2020 – 5:30 p.m.
    e. February 12, 2020 – 5:30 p.m.
    f. March 11, 2020 – 5:30 p.m.
    g. April 8, 2020 – 5:30 p.m.
    h. May 13, 2020 – 5:30 p.m.
    i. June 10, 2020 – 5:30 p.m.
    j. July 8, 2020 – 5:30 p.m.
    k. August 12, 2020 – 5:30 p.m.
17. Upcoming Meeting Items:
    a.
    b.
18. Adjourn

MANAWA

Students choosing to excel; realizing their strengths.

To: Manawa Board of Education
From: Dr. Melanie J. Oppor
Date: September 11, 2019
Re: Fire Alarm System Recommendation

The purpose of this memo is to recommend Martin Systems to install the Notifier fire alarm control system and to provide the fire alarm monitoring services through Wright-Hennepin. The rationale for this recommendation is as follows:

- Of two Wisconsin-based companies bidding on the project, Martin Systems was the low bid.
- Notifier is an open protocol system meaning that other vendors can repair or manage the system.
- Martin Systems places primary emphasis on service/client satisfaction.
- The alarm system can be checked in real time via computer or smartphone. This same access is available to local law enforcement, the fire department, and to whomever else the district may wish to grant access through a password-based system.
- The fire alarm system can be put into and out of "test mode" by the district within seconds for routine fire drills. The user controls these features and is not reliant on a remote attendant.
- Mead & Hunt, Inc., the engineering consulting firm working with the district recommends Martin Systems as the preferred vendor.
- Martin Systems offers the state required test and inspection services based on an hourly rate.
- All repair costs are based on parts and hourly labor fees that are preestablished (no annual package fees).
- Martin Systems has a direct dial service department with an on-call technician 24/7.
- The monitoring company fee is based on a monthly charge per panel/building.
- The system is expandable to include door security monitoring and security camera monitoring.
- Martin Systems serves a diverse array of clients to include cities, technical colleges, and public/private schools. Chief Rosenau checked references based on the fire department perspective and received all favorable feedback. Dr. Oppor contacted references at Fox Valley Technical College (system used on all 16 campuses) and the Pulaski School District. The references indicate that personnel are customer service oriented, the technology interfaces are user-friendly/simple to use, and the client can always talk with a service technician directly. The references state they are more than satisfied with Martin Systems and would highly recommend them.

School District of Manawa
18-268
Project Budget Summary
September 16, 2019

Hoffman
Planning, Design & Construction, Inc.

	Referendum Estimate	Schematic Design Estimate	Design Development Estimate	Construct. Documents Estimate	CURRENT BUDGET	Comments
Bid Package #1	**$2,516,075**	**$2,382,325**	**$1,511,195**	**$1,517,854**	**$1,677,948**	MES site work, re-roof at both schools, and masonry restoration at HS, also includes elevator and HS generator in CURRENT
Bid Package #2	**$6,966,671**	**$7,108,427**	**$7,626,136**	**$7,630,657**	**$7,493,553**	
Design Reimbursables	**$20,000**	**$20,000**	**$20,000**	**$20,000**	**$20,000**	
Scheerer Construction Fee	**$0**	**$217,000**	**$80,000**	**$80,000**	**$80,000**	
Cost of Work Consultants	**Inc. Above**	**Inc. Above**	**$57,375**	**$57,725**	**$57,725**	Survey, Civil, Geotechnical, Commissioning
GC's and PR's	**$1,403,787**	**$1,403,787**	**$1,403,787**	**$1,373,786**	**$1,373,786**	
Architectural Fee	**$556,952**	**$556,952**	**$556,952**	**$556,952**	**$556,952**	
Construction Mgt Fee	**$376,683**	**$376,683**	**$376,683**	**$376,683**	**$376,683**	
Total Construction Est. w/ fees	**$11,840,168**	**$12,065,174**	**$11,632,128**	**$11,613,657**	**$11,636,648**	
Furnishings and Equipment	**$200,000**	**$300,000**	**$250,000**	**$250,000**	**$200,000**	STEAM and FF&E Allowance-Including science tables (SD Added 50k in FF&E and Playground Equipment, DD Removed Playground Equipment)
Other Owner Costs	**$104,000**	**$105,350**	**$105,350**	**$110,776**	**$110,776**	Moving and Abatement
Total Project Estimate	**$12,144,168**	**$12,470,524**	**$11,987,478**	**$11,974,433**	**$11,947,424**	

Bid Package #1 Contingency Update

Starting Balance	$	246,011.00
Expenditures to Date	$	(40,916.52)
Remaining Balance	$	205,094.48

School District of Manawa
Bid Package #2 Bid Tabulation
18-268
September 16 2019

MANAWA

Hoffman
Planning, Design & Construction, Inc.

*Note: Check comments before modifying any values in this sheet.

PHASE	DESCRIPTION	COMPANY	BASE BID	P&P BOND	SUGGESTED	REMARKS
Division 2	**SELECT DEMOLITION**					
02.41.00. .	DEMOLITION	BDR Services LLC	$224,564.20	$5,614.11	$230,178.31	
02.41.00. .	DEMOLITION	Boutz Demolition Company	$282,781.00	$250.00		
Division 3	**CONCRETE**					
03.30.00. .	CAST-IN-PLACE CONCRETE	Delrar	$240,250.00	$7,207.50	$247,457.50	
03.30.00. .	CAST-IN-PLACE CONCRETE	De Arteaga, Inc.	$339,800.00	$4,247.50		
03.30.00. .	CAST-IN-PLACE CONCRETE	Boldt	$371,747.00	$7,966.00		
03.30.00. .	CAST-IN-PLACE CONCRETE	Altmann Construction Company, Inc.	$425,000.00	1%		Bid Bond was sent
Division 3	**POLISHED CONCRETE**					
03.35.13. .	CONCRETE FLOOR FINISHING	L & A Crystal	$100,300.00	$1,854.00		
03.35.13. .	CONCRETE FLOOR FINISHING	J.C. Santy Construction, LLC	$104,496.14	$2,612.40		
03.35.13. .	CONCRETE FLOOR FINISHING	HJ Martin & Son, Inc.	$107,840.00	$2,156.80	$109,996.80	Looking at combined bid savings
Division 4	**MASONRY**				$25,000	WINTER CONDITIONS
04.20.00. .	UNIT MASONRY	Hatch Building Supply	$16,917.09	N/A		Rebar Supply ONLY
04.20.00. .	UNIT MASONRY	Boldt	$364,261.00	$7,966.00		Contract Modifications
04.20.00. .	UNIT MASONRY	Wm. A Hein Construction Co., Inc.	$369,800.00	$4,800.00	$374,600.00	
04.20.00. .	UNIT MASONRY	Pahlow Masonry LLC	$437,395.00			
04.20.00. .	UNIT MASONRY	City Wide Masonry	$455,000.00	2%		
Division 5	**STRUCTURAL STEEL - SUPPLY**					
05.50.00. .	METAL FABRICATIONS	Hatch Building Supply	$16,917.09	N/A		Rebar Supply ONLY
05.50.00. .	METAL FABRICATIONS	Marvin Metal Fabricating	$269,832.00	N/A	$269,832.00	
05.50.00. .	METAL FABRICATIONS	Nick's Welding & Fabricating	$270,000.00			
05.50.00. .	METAL FABRICATIONS	Nimsgern Steel Corp.	$336,453.00	N/A		
Division 5	**STRUCTURAL STEEL - INSTALL**				$2,500	ADDITIONAL CRANE MOBILIZATION
05.12.00. .	STRUCTURAL STEEL FRAMING	Londerville Steel Enterprises	$26,823.55	N/A		Rebar Supply ONLY
05.12.00. .	STRUCTURAL STEEL FRAMING	SPE - Steel Erecting Services	$120,100.00	$1,801.50	$121,901.50	
05.12.00. .	STRUCTURAL STEEL FRAMING	Beson & Houle LLC	$136,000.00	$3,400.00		
05.12.00. .	STRUCTURAL STEEL FRAMING	Lakeland Construction	$195,000.00	N/A		
05.12.00. .	STRUCTURAL STEEL FRAMING	Red Cedar Steel Erectors, Inc.	$215,750.00	1%		
05.12.00. .	STRUCTURAL STEEL FRAMING	Boldt	$486,276.00	$7,966.00		
Division 6	**CARPENTRY**				$100,000	ROUGH CARPENTRY ALLOWANCE
06.10.00. .	ROUGH CARPENTRY	Lakeland Construction	$121,800.00	N/A		
Division 6	**CASEWORK - SUPPLY**					
06.41.00. .	ARCHITECTURAL WOOD CASEWORK	Innovative Laboratory Systems	$21,083.00	N/A		Epoxy Countertops ONLY
06.41.00. .	ARCHITECTURAL WOOD CASEWORK	CTB Inc.	$83,165.00	N/A		Excludes Epoxy Countertops
06.41.00. .	ARCHITECTURAL WOOD CASEWORK	Wynn Jones & Associates	$104,477.00	$2,042.00	$106,519.00	
06.41.00. .	ARCHITECTURAL WOOD CASEWORK	Hillcraft of Wisconsin, LLC	$104,785.00			
06.41.00. .	ARCHITECTURAL WOOD CASEWORK	Discher Millwork	$108,000.00	Included		
06.41.00. .	ARCHITECTURAL WOOD CASEWORK	JA Eisch LLC	$137,321.50	$4,400.00		
06.41.00. .	ARCHITECTURAL WOOD CASEWORK	Starved Rock Casework	$143,263.16			
06.41.00. .	ARCHITECTURAL WOOD CASEWORK	Central Wisconsin Woodworking Corporation	$150,018.00			
Division 6	**CASEWORK - INSTALL**					
06.41.00. . INSTALL	ARCHITECTURAL WOOD CASEWORK INSTALL	Innovative Laboratory Systems	$10,500.00	N/A		Install of Epoxy Tops ONLY
06.41.00. . INSTALL	ARCHITECTURAL WOOD CASEWORK INSTALL	JA Eisch LLC	$11,941.00	$4,400.00		Will Install JA Eisch Casework ONLY
06.41.00. . INSTALL	ARCHITECTURAL WOOD CASEWORK INSTALL	Lakeland Construction	$29,500.00	N/A		
06.41.00. . INSTALL	ARCHITECTURAL WOOD CASEWORK INSTALL	Wynn Jones & Associates	$31,599.00	Incl Above	$31,599.00	
06.41.00. . INSTALL	ARCHITECTURAL WOOD CASEWORK INSTALL	F.C. Dadson	$49,623.00	N/A		
Division 7	**ROOFING**				$10,000	ROOF PATCHING ALLOWANCE
07.53.00. .	ELASTOMERIC MEMBRANE ROOFING	HySafe Fall Protection	$24,552.00	N/A		Roof Tie-off Posts ONLY
07.53.00. .	ELASTOMERIC MEMBRANE ROOFING	Weinert Roofing	$130,785.00	N/A		
07.53.00. .	ELASTOMERIC MEMBRANE ROOFING	Crafts Inc.	$138,755.00	$1,387.55	$140,142.55	
07.53.00. .	ELASTOMERIC MEMBRANE ROOFING	Jamar Roofing Service	$162,800.00	$550.00		
07.53.00. .	ELASTOMERIC MEMBRANE ROOFING	W&L Insulation & Roofing Inc.	$233,304.00	$5,100.00		
Division 7	**FIRESTOPPING**					
07.84.00. .	FIRESTOPPING	Complete Fire Solutions	$5,500.00	N/A		Incomplete Bid
07.84.00. .	FIRESTOPPING	Performance Firestop	$32,600.00	N/A	$32,600.00	
Division 7	**WATERPROOFING**					
07.14.00. .	FLUID APPLIED WATERPROOFING	D7 Solutions LLC	$24,310.00	$375.00	$24,310.00	
Division 7	**INSULATION**					
07.21.19. .	FOAMED-IN-PLACE INSULATION	Pro-Foamers, Inc.	$27,730.00	N/A	$27,730.00	
07.21.19. .	FOAMED-IN-PLACE INSULATION	Corcoran Glass & Paint	$33,500.00	N/A		
Division 7	**METAL WALL PANELS**					
07.42.13. .	METAL WALL PANEL	Muza Sheet Metal Co., LLC	$235,658.00	$1,768.00	$237,426.00	
07.42.13. .	METAL WALL PANEL	Corcoran Glass & Paint	$348,240.00	N/A		
Division 8	**DOORS & FRAMES - SUPPLY**					
08.11.13. .	HOLLOW METAL DOORS AND FRAMES	Tri City Glass & Door	$114,733.00	$2,500.00	$117,233.00	
08.11.13. .	HOLLOW METAL DOORS AND FRAMES	LaForce	$121,435.00	$1,986.00		
08.11.13. .	HOLLOW METAL DOORS AND FRAMES	HJ Martin	$145,302.00	N/A		
08.11.13. .	HOLLOW METAL DOORS AND FRAMES					
Division 8	**DOORS & FRAMES - INSTALL**					
08.11.13. .90	.90 OWNER - HOLLOW METAL DOORS AND FRAMES	Lakeland Construction	$30,000.00	N/A		
08.11.13. .90	.90 OWNER - HOLLOW METAL DOORS AND FRAMES	Tri City Glass & Door	$37,500.00	Incl Above	$37,500.00	
08.11.13. .90	.90 OWNER - HOLLOW METAL DOORS AND FRAMES	LaForce	$49,575.00	N/A		
08.11.13. .90	.90 OWNER - HOLLOW METAL DOORS AND FRAMES	HJ Martin	$30,300.00	N/A		
Division 8	**ALUMINUM ENTRANCES**					
08.43.13. .	ALUMINUM-FRAMED STOREFRONTS	Tri City Glass & Door	$266,130.00	$4,000.00	$270,130.00	Includes 5k reduction for combined bid
08.43.13. .	ALUMINUM-FRAMED STOREFRONTS	Omni Glass & Paint	$269,069.00	$3,200.00		
08.43.13. .	ALUMINUM-FRAMED STOREFRONTS	Corcoran Glass & Paint	$290,430.00	$5,790.00		
Division 8	**OVERHEAD DOORS**				$2,500	ELECTRICAL CONNECTION ALLOWANCE
08.33.23. .	OVERHEAD COILING DOORS	EZ Glide	$4,900.00	NA	$4,900.00	

08.33.23. .	OVERHEAD COILING DOORS	Overhead Door Company of Appleton	$5,319.00	NA		
Division 9	**GYPSUM ASSEMBLIES**				**$15,000**	**FRAME INSTALL ALLOWANCE**
09.21.16. .	GYPSUM BOARD ASSEMBLIES	Kohel Drywall LLC	$209,834.00	$5,245.85	$215,079.85	
09.21.16. .	GYPSUM BOARD ASSEMBLIES	VerHalen Inc	$336,072.00	N/A		See inclusions/exclusions at bottom
09.21.16. .	GYPSUM BOARD ASSEMBLIES	Lakeland Construction	$348,000.00	N/A		
Division 9	**TILE**					
09.30.00. .	TILING	HJ Martin	$16,515.00	$330.30	$16,845.30	Excludes demo/mitigation
Division 9	**ACOUSTICAL CEILING**					
09.51.00. .	ACOUSTICAL CEILING	Appleton Lathing Corporation	$126,745.00	$1,060.00	$127,805.00	
09.51.00. .	ACOUSTICAL CEILING	Acoustic Professionals LLC	$127,780.00	$3,930.00		
09.51.00. .	ACOUSTICAL CEILING	VerHalen Inc.	$153,736.00	1%		
Division 9	**RESILIENT FLOORING**					
09.65.00. .	RESILIENT FLOORING	HJ Martin	$226,965.00	$4,539.30	$231,504.30	Exludes demo/mitigation
Division 9	**ATHLETIC FLOORING**					
09.65.66. .	SPECIALTY FLOORING	HJ Martin	$25,685.00	$513.70	$26,198.70	To be contracted w/scope above
09.65.66. .	SPECIALTY FLOORING	Haldman Homme	$32,798.00	NA		
09.65.66. .	SPECIALTY FLOORING	Schmidt Custom Floors	$39,920.00	$256.00		
Division 9	**TERRAZZO FLOORING**					
09.66.16. .	TERRAZZO TILE	John Cimarosti Terrazzo & Tile Co. Inc.	$33,830.00		$33,830.00	
Division 9	**FLUID APPLIED FLOORING**					
09.67.00. .	FLUID-APPLIED FLOORING	Parker Coatings, Inc.	$30,058.00	NA	$30,058.00	
09.67.00. .	FLUID-APPLIED FLOORING	Prostar Surfaces Inc.	$32,775.00	N/A		
09.67.00. .	FLUID-APPLIED FLOORING	L & A Crystal	$100,300.00	$1,854.00		
Division 9	**PAINTING**				**$15,000**	**WALL PATCHING ALLOWANCE**
09.90.00. .	PAINTING AND COATING	Davis Painting & Decorating, Inc.	$67,737.00	$1,253.13	$68,990.13	
09.90.00. .	PAINTING AND COATING	SDS Painting Co. Inc.	$69,500.00	N/A		
09.90.00. .	PAINTING AND COATING	Omni Glass & Paint	$80,305.00	$225.00		
09.90.00. .	PAINTING AND COATING	Van Eperen Painting	$122,890.00	$3,670.00		
09.90.00. .	PAINTING AND COATING	Corcoran Glass & Paint, Inc.	$128,750.00	3%		
Division 10	**SIGNAGE**					
10.14.00. .	SIGNAGE	Sign Elements	$8,395.00	N/A	$8,395.00	
10.14.00. .	SIGNAGE	United Sign Corp	$10,914.00			
Division 10	**SPECIALTIES**					
10.11.01. .	VISUAL DISPLAY BOARDS	Par-Loc, Inc.	$8,800.00	NA		Toilet & Bath Accessories ONLY
10.11.01. .	VISUAL DISPLAY BOARDS	Block Iron & Supply Company	$12,701.00			Exlcudes Shelving, and Projection Screen
10.11.01. .	VISUAL DISPLAY BOARDS	LaForce	$30,258.00	$1,986.00	$30,258.00	Supply and install Specialties
10.11.01. .	VISUAL DISPLAY BOARDS	JWC Building Specialists, Inc.	$37,211.00	$278.00	$37,211.00	Accordion folding partion only (inc. Install)
10.11.01. .	VISUAL DISPLAY BOARDS	Construction Supply, Inc.	$60,181.00	NA		Partitions Only
Division 10	**LOCKERS**					
10.51.00. .	LOCKERS	Marshfield Book & Stationary	$69,590.00	N/A	$69,590.00	
Division 10	**FLAG POLES**				**$2,500**	**FLAG POLE EXCAVATION ALLOWANCE**
10.75.00. .	FLAGPOLES	Pole-Tech Co., Inc.	$1,465.00	NA		Pole Base only
10.75.00. .	FLAGPOLES	Sommerville Flag	$1,647.00		$1,647.00	
Division 11	**EQUIPMENT - KITCHEN EQUIPMENT**					
11.40.00. .	FOOD SERVICE EQUIPMENT	Van Vreede's	$418.95			Standard Residential Range Hood
11.40.00. .	FOOD SERVICE EQUIPMENT	Streich Equipment Co. Inc.	$7,800.00	N/A	$7,800.00	Denlar Hood with Fire Suppresion
Division 11	**EQUIPMENT - THEATRE EQUIPMENT**				**$10,000**	**FRAMING/RIGGING ALLOWANCE**
11.61.23. .	MUSICAL RISERS	MainStage Theatrical Supply, Inc.	$55,958.25		$55,958.25	
Division 22	**PLUMBING**					
22.00.00. .	PLUMBING	Hurckman Mechanical Industries, Inc.	$358,048.00	$3,580.48	$361,628.48	
22.00.00. .	PLUMBING	Wisconsin Mechanical Solutions	$389,767.00	$5,611.00		
22.00.00. .	PLUMBING	J.F. Ahern Co.	$397,100.00	$2,594.00		
22.00.00. .	PLUMBING	Johnson & Jonet Mechanical Contractors Inc.	$425,900.00	$21,540.00		
22.00.00. .	PLUMBING	Jim's Plumbing	$429,495.00	$12,900.00		
22.00.00. .	PLUMBING	August Winter & Sons, Inc.	$544,225.00	$0.01		
Division 23	**HVAC**				**$25,000**	**OVERTIME ALLOWANCE**
23.00.00. .	HVAC	B & P Mechanical, Inc.	$1,025,000.00	$10,250.00	$1,035,250.00	
23.00.00. .	HVAC	Baumgart Mechanical Inc.	$1,036,750.00	$20,735.00		
23.00.00. .	HVAC	Best Mechanical Services, LLC	$1,072,846.00	$10,728.46		
23.00.00. .	HVAC	Wisconsin Mechanical Solutions	$1,095,000.00	$12,500.00		
23.00.00. .	HVAC	Hurckman Mechanical Industries, Inc.	$1,101,906.00	$11,019.06		
23.00.00. .	HVAC	Rohde Brothers, Inc.	$1,121,531.00	0.9%		
23.00.00. .	HVAC	J.F. Ahern Co.	$1,136,000.00	$6,745.00		
23.00.00. .	HVAC	Ama Inc.	$1,136,892.00	$10,936.00		
23.00.00. .	HVAC	Johnson & Jonet Mechanical Contractors Inc.	$1,149,800.00	$21,540.00		
23.00.00. .	HVAC	August Winter & Sons, Inc.	$1,542,283.00	1%		
Division 26	**ELECTRICAL**				**$45,000**	**MES GENERATOR ALLOWANCE**
26.00.00. .	ELECTRICAL	CableCom LLC	$104,974.68			Communication Cabling ONLY
26.00.00. .	ELECTRICAL	Northland Electrical Services	$1,227,806.00	$12,278.06	$1,240,084.06	Fire Alarm Options
26.00.00. .	ELECTRICAL	Total Electric Service, Inc.	$1,305,000.00	$13,050.00		
26.00.00. .	ELECTRICAL	Van Ert Electric Company Inc.	$1,467,322.00	0.94%		
26.00.00. .	ELECTRICAL	KW Electric, Inc.	$1,515,900.00	1%		
26.00.00. .	ELECTRICAL	Elmstar Electric Corporation	$1,724,974.00	$13,475.00		
Division 31	**EXCAVATION**				**$50,000**	**SHORING ALLOWANCE**
31.23.16. .	EXCAVATION	Midwest Drilled Foundations & Engineering	$44,700.00	N/A		Sheet Piling ONLY
31.23.16. .	EXCAVATION	Faulks Brothers Construction	$181,868.00	$2,810.00	$184,678.00	NEED SAVINGS ON SPOILS ON SITE DEMO OF CANOPY
Division 31	**HELICAL PILES**					
31.66.13. .	HELICAL SCREW FOUNDATIONS	Raise Rite Foundation Pier System, Inc.	$7,200.00	N/A		Doesn't meet insurance requirements
31.66.13. .	HELICAL SCREW FOUNDATIONS	Midwest Drilled Foundations & Engineering	$15,000.00	N/A	$15,000.00	
31.66.13. .	HELICAL SCREW FOUNDATIONS	McMullen & Pitz Construction Co.	$18,000.00	N/A		
Division 32	**ASPHALT PAVING**				**$125,000**	**DRIVEWAY PAVING ALLOWANCE**
32.12.16. .	ASPHALT PAVING	American Asphalt of Wisconsin	$14,368.00	N/A	$14,368.00	
32.12.16. .	ASPHALT PAVING	Northeast Asphalt Inc.	$18,250.00	N/A		
Division 32	**SITE CONCRETE**					
32.13.13. .	CONCRETE PAVING	Delrar	$45,120.00	$1,353.60	$46,473.60	
32.13.13. .	CONCRETE PAVING	De Arteaga, Inc.	$76,300.00	$953.75		

Division 32	**FENCING**					
32.31.13. .	CHAIN LINK FENCES AND GATES	Fortress Fence	$3,155.00	N/A	$3,155.00	
Division 32	**LANDSCAPING**				**$2,500**	**LANDSCAPING ALLOWANCE**
32.92.19. .	SEEDING	Faulks Brothers Construction	$3,800.00	Incl Above	$3,800.00	
Division 33	**SITE UTILITIES**					
33.31.11. .	SITE SANITARY UTILITY SEWERAGE PIPING	Faulks Brothers Construction	$63,890.00	Incl Above	$63,890.00	
33.31.11. .	SITE SANITARY UTILITY SEWERAGE PIPING	Scott DeNoble & Sons Construction Inc.	$71,490.00	N/A		
Do not insert rows below this row.						

$6,743,553.33	SUBTOTAL
$750,000.00	CONTINGENCY
$7,493,553.33	BID PACKAGE #2 TOTAL

HS - Locker Room Corridor Flooring		
Luxury Vinyl Tile	$ 8,550.00	
Walk Off Carpet	$ 5,500.00	
Epoxy	$ 6,650.00	
HS - Site Restoration for Overflow Parking		**$ 16,500.00**
	$ 16,500.00	
	$ -	

VISUAL SOIL CLASSIFICATION

Little Wolf Junior/Senior Football Field

515 East 4th Street

Manawa, Wisconsin

Prepared for:

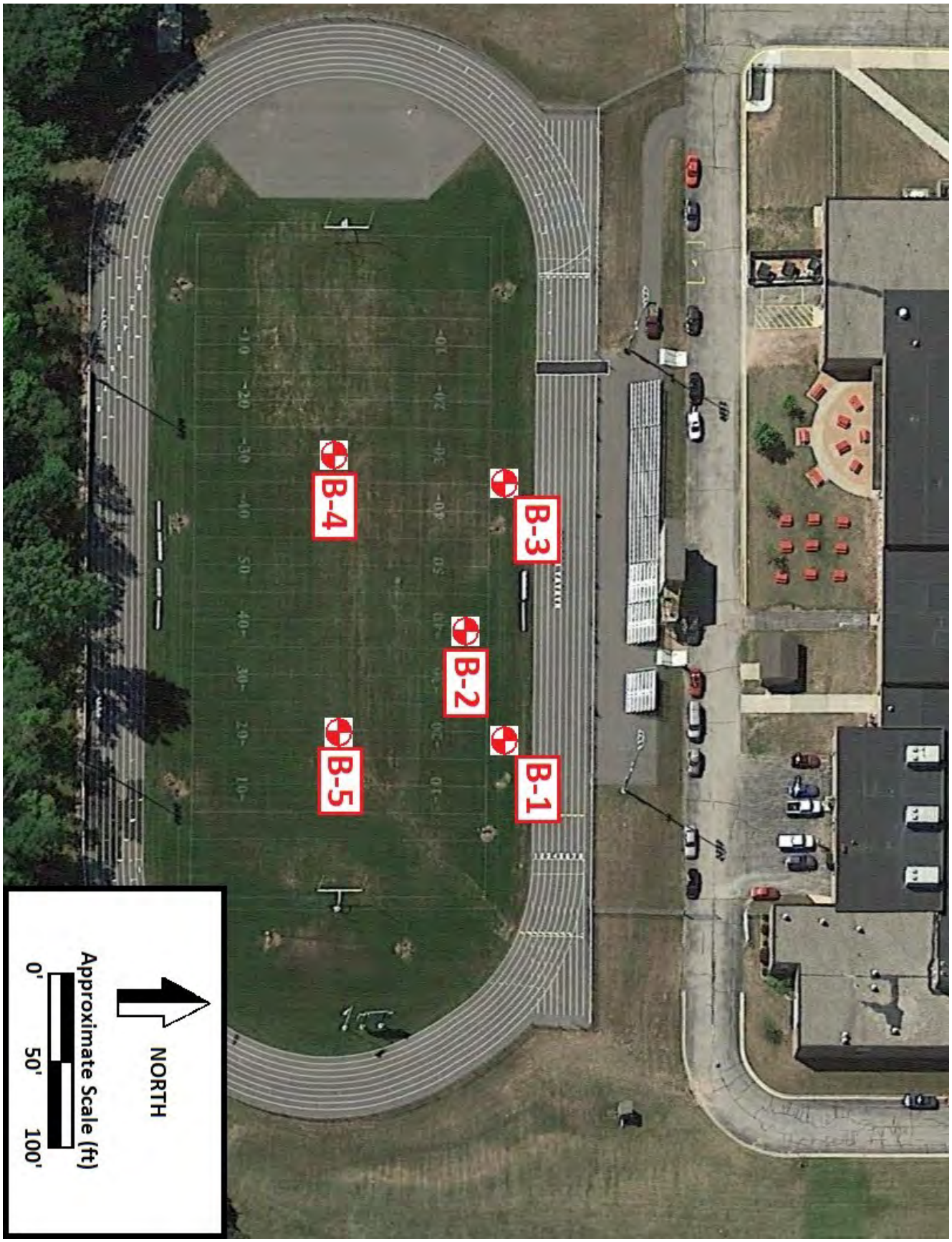
Hoffman Planning, Design & Construction, Inc.

122 East College Avenue, Suite 1G

Appleton, Wisconsin 54911

August 26, 2019

PSI Project No. 0094953



intertek psi	Little Wolf Junior/Senior Football Field 515 East 4th Street Manawa, Wisconsin	**SCALE:** SHOWN ABOVE
		PROJECT NO: 0094953
	FIGURE 1: BORING LOCATION PLAN	**PAGE 1 OF 1**

SOIL BORING LOG: B - 1

Project: Little Wolf Junior/Senior Football Field
Project No.: 0094953

Location: 515 East 4th Street, Manawa, Wisconsin
Drill Date: August 12, 2019
Drilled By: GW/KH

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION — GROUND SURFACE ELEVATION: 875.5	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
	0-6": Dark Brown Sandy CLAY, with trace root matter, moist (TOPSOIL FILL)			-	-	11	▽
1 / 874.5	Brown Medium SAND, wet (FILL)	1-SS	6	-	-	5	
2 / 873.5	Brown Medium to Fine SAND, with trace silt and gravel, moist (FILL)						
3 / 872.5	Reddish brown Sandy CLAY, with trace gravel and dark brown seams, moist (FILL)	2-SS	14	2.5	-	8	
4 / 871.5							
5 / 870.5							
6 / 869.5	Reddish brown CLAY, with trace gravel, moist	3-SS	9	2.5	2.8	22	⊥
7 / 868.5							
8 / 867.5		4-SS	50/3"	4.0	-	10	
9 / 866.5							
10 / 865.5							
11 / 864.5		5-SS	22	4.5+	5.0	12	
12 / 863.5							
13 / 862.5							
14 / 861.5	Reddish brown Fine SAND, with trace clay, moist	6-SS	23	-	-	13	
15 / 860.5							
16 / 859.5							
17 / 858.5							
18 / 857.5							
19 / 856.5	Brown Fine SAND, moist	7-SS	10	-	-	5	
20 / 855.5							
	END OF BORING @ 20± FEET						

FIELD OBSERVATIONS:

Water Level $_{\text{during drilling}}$: 6± inches below ground surface (EL. 875.0±) ▽
Water Level $_{\text{upon completion}}$: Not Present ▼
Caved at $_{\text{upon completion}}$: 6± feet below ground surface (EL. 869.5±) ⊥
Delay Time: N/A
Water Level $_{\text{delayed}}$: N/A ¥
Caved at $_{\text{delayed}}$: N/A

ADDITIONAL COMMENTS:

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual.

SOIL BORING LOG: B - 2

Project: Little Wolf Junior/Senior Football Field
Project No.: 0094953

Location: 515 East 4th Street, Manawa, Wisconsin
Drill Date: August 12, 2019
Drilled By: GW/KH

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION — GROUND SURFACE ELEVATION: 875.5	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
0	0-6": Dark Brown Sandy CLAY, with trace root matter, moist (TOPSOIL FILL)						▽
1 / 874.5	Brown Medium SAND, wet (FILL)	1-SS	6	-	-	14	
	Reddish brown CLAY, with dark brown seams, moist (FILL)						
2 / 873.5							
3 / 872.5	Reddish brown CLAY, with trace gravel, moist	2-SS	12	4.0	5.6	20	
4 / 871.5							
5 / 870.5		3-SS	7	2.3	2.4	22	
6 / 869.5							
7 / 868.5		4-SS	15	2.5	3.1	13	⊥
8 / 867.5							
9 / 866.5		5-SS	21	3.5	3.9	13	
10 / 865.5							
11 / 864.5							
12 / 863.5							
13 / 862.5							
14 / 861.5	Brown Medium to Fine SAND, with trace gravel, moist	6-SS	22	-	-	1	
15 / 860.5							
16 / 859.5							
17 / 858.5							
18 / 857.5							
19 / 856.5		7-SS	12	-	-	1	
20 / 855.5							
	END OF BORING @ 20± FEET						

FIELD OBSERVATIONS:

Water Level $_{\text{during drilling}}$: 6± inches below ground surface (EL. 875.0±) ▽
Water Level $_{\text{upon completion}}$: Not Present ▼
Caved at $_{\text{upon completion}}$: 7± feet below ground surface (EL. 868.5±) ⊥
Delay Time: N/A
Water Level $_{\text{delayed}}$: N/A ¥
Caved at $_{\text{delayed}}$: N/A

ADDITIONAL COMMENTS:

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual.

SOIL BORING LOG: B - 3

Project: Little Wolf Junior/Senior Football Field
Project No.: 0094953

Location: 515 East 4th Street, Manawa, Wisconsin
Drill Date: August 12, 2019
Drilled By: GW/KH

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION — GROUND SURFACE ELEVATION: 875.5	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
	0-6": Dark Brown Sandy CLAY, with trace root matter, moist (TOPSOIL FILL)			-	-	16	▽
1 / 874.5	Brown Medium SAND, wet (FILL)	1-SS	10	-	-	6	
2 / 873.5	Brown Medium to Fine SAND, with gravel, trace silt, and reddish brown clay seams, moist (FILL)						
3 / 872.5	Brown Sandy CLAY, moist (POSSIBLE FILL)	2-SS	11	2.8	2.8	12	
4 / 871.5							
5 / 870.5	Brown CLAY, moist (POSSIBLE FILL)	3-SS	7	1.5	2.7	18	
6 / 869.5							
7 / 868.5							⊥
8 / 867.5	Reddish brown CLAY, with trace gravel, moist	4-SS	11	2.8	2.5	16	
9 / 866.5							
10 / 865.5		5-SS	18	4.5+	5.4	12	
11 / 864.5							
12 / 863.5							
13 / 862.5							
14 / 861.5	Brown Fine SAND, with trace gravel, moist	6-SS	50/2"	-	-	5	
15 / 860.5							
16 / 859.5							
17 / 858.5							
18 / 857.5							
19 / 856.5		7-SS	14	-	-	4	
20 / 855.5							
	END OF BORING @ 20± FEET						

FIELD OBSERVATIONS:

Water Level $_{\text{during drilling}}$: 6± inches below ground surface (EL. 875.0±) ▽
Water Level $_{\text{upon completion}}$: Not Present ▼
Caved at $_{\text{upon completion}}$: 7± feet below ground surface (EL. 868.5±) ⊥
Delay Time: N/A
Water Level $_{\text{delayed}}$: N/A ¥
Caved at $_{\text{delayed}}$: N/A

ADDITIONAL COMMENTS:

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual.

SOIL BORING LOG: B - 4

Project: Little Wolf Junior/Senior Football Field
Project No.: 0094953

Location: 515 East 4th Street, Manawa, Wisconsin
Drill Date: August 12, 2019
Drilled By: GW/KH

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION GROUND SURFACE ELEVATION: 876.0	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
	0-6": Dark Brown Sandy CLAY, with trace root matter, moist (TOPSOIL FILL)			-	-	15	
1 / 875.0	Reddish brown CLAY, with dark brown seams and medium sand seams, moist (FILL)	1-SS	5	-	-	12	
2 / 874.0							
3 / 873.0		2-SS	7	1.8	-	11	
4 / 872.0							
5 / 871.0	Reddish brown CLAY, with trace gravel, moist						
6 / 870.0		3-SS	15	4.5	4.0	16	
7 / 869.0							
8 / 868.0		4-SS	30	4.3	-	10	
9 / 867.0							⊥
10 / 866.0							
11 / 865.0		5-SS	45	1.5	-	11	
12 / 864.0							
13 / 863.0							
14 / 862.0	Brown Fine SAND, with trace gravel, moist	6-SS	20	-	-	4	
15 / 861.0							
16 / 860.0							
17 / 859.0							
18 / 858.0							
19 / 857.0		7-SS	13	-	-	5	
20 / 856.0							
	END OF BORING @ 20± FEET						

FIELD OBSERVATIONS:

Water Level $_{\text{during drilling}}$: Not Encountered ▽
Water Level $_{\text{upon completion}}$: Not Present ▼
Caved at $_{\text{upon completion}}$: 9± feet below ground surface (EL. 867.0±) ⊥
Delay Time: N/A
Water Level $_{\text{delayed}}$: N/A ¥
Caved at $_{\text{delayed}}$: N/A

ADDITIONAL COMMENTS:

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual.

SOIL BORING LOG: B - 5

Project: Little Wolf Junior/Senior Football Field
Project No.: 0094953

Location: 515 East 4th Street, Manawa, Wisconsin
Drill Date: August 12, 2019
Drilled By: GW/KH

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION — GROUND SURFACE ELEVATION: 876.0	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
	0-6": Dark Brown Sandy CLAY, with trace root matter, moist (TOPSOIL FILL)			-	-	10	
1 / 875.0	Dark brown Sandy CLAY, with reddish brown clay seams , moist (FILL)	1-SS	7	1.3	2.4	15	
2 / 874.0							
3 / 873.0		2-SS	21	4.5	-	9	
4 / 872.0	Brown Sandy SILT, moist (POSSIBLE FILL)						
5 / 871.0							⊥
6 / 870.0	Reddish brown CLAY, with trace gravel, moist	3-SS	10	2.5	3.7	19	
7 / 869.0							
8 / 868.0		4-SS	16	4.0	4.1	14	
9 / 867.0							
10 / 866.0							
11 / 865.0		5-SS	20	4.3	5.4	14	
12 / 864.0							
13 / 863.0							
14 / 862.0		6-SS*	29	-	-	14	
15 / 861.0							
16 / 860.0							
17 / 859.0							
18 / 858.0							
19 / 857.0	Brown Fine SAND, with trace gravel, moist	7-SS	25	-	-	4	
20 / 856.0							
	END OF BORING @ 20± FEET						

FIELD OBSERVATIONS:

Water Level $_{\text{during drilling}}$: Not Encountered ▽
Water Level $_{\text{upon completion}}$: Not Present ▼
Caved at $_{\text{upon completion}}$: 5± feet below ground surface (EL. 871.0±) ⊥
Delay Time: N/A
Water Level $_{\text{delayed}}$: N/A ¥
Caved at $_{\text{delayed}}$: N/A

ADDITIONAL COMMENTS:

*** Poor sample recovery.**

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual.

GENERAL NOTES

SAMPLE IDENTIFICATION

1. Information on each log is a compilation of subsurface conditions, based on visual soil classifications of soil samples obtained from the field as assigned by a soils engineer, as well as from laboratory testing of samples, if performed. The strata lines on the logs may be approximate or the transition between the strata may be gradual rather than distinct. Water level measurements refer only to those observed at the times and locations indicated, and may vary with time, geologic condition and construction activity.
2. Unified Soil Classification System (USCS) designations are based on visual soil classification estimates on the basis of textural and particle size categorization and various soil behavior characteristics. If laboratory tests were performed to classify the soil, the USCS designation is shown in parenthesis.

USCS SOIL PARTICLE SIZE CLASSES

U.S. Std. Sieve			#200	#40	#10	#4	¾"	3"	12"	
Soil Type	Clay	Silt	Sand			Gravel		Cobbles	Boulders	
			Fine	Medium	Coarse	Fine	Coarse			
Millimeters	0.002	0.074	0.42	2	4.8	19	76	300		

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D2487-00)

Criteria for assigning group symbols and group names using laboratory tests [A]				Soil Classification	
				Group Symbol	Group Name [B]
COARSE-GRAINED SOILS (More than 50% retained on No. 200 sieve)	Gravels (More than 50% of coarse fraction retained on No. 4 sieve)	Clean gravels w/ < 5% fines [E]	Cu ≥ 4 and 1 ≤ Cc ≤ 3 [C]	GW	Well-graded gravel [D]
			Cu < 4 and/or1 > Cc > 3 [C]	GP	Poorly graded gravel [D]
		Gravels w/ > 12% fines [E]	Fines classify as ML or MH	GM	Silty gravel [D,F,G]
			Fines classify as CL or CH	GC	Clayey gravel [D,F,G]
	Sands (More than 50% of coarse fraction passes the No. 4 sieve)	Clean sands w/ < 5% fines [I]	Cu ≥ 6 and 1 ≤ Cc ≤ 3 [C]	SW	Well-graded sand [H]
			Cu < 6 and/or 1 > Cc > 3 [C]	SP	Poorly graded sand [H]
		Sands w/ > 12% fines [I]	Fines classify as ML or MH	SM	Silty sand [F,G,H]
			Fines classify as CL or CH	SC	Clayey sand [F,G,H]
FINE-GRAINED SOILS (More than 50% passes the No. 200 sieve)	Silts and clays w/ liquid limit (LL) < 50	Inorganic	PI > 7 and plots on or above "A" line [J]	CL	Lean clay [K,L,M]
			PI < 4 and plots below "A" line [J]	ML	Silt [K,L,M]
		Organic	LL (Oven dried) / LL (Not dried) < 0.75	OL	Organic clay [K,L,M,N]
				OL	Organic silt [K,L,M,O]
	Silts and clays w/ liquid limit (LL) ≥ 50	Inorganic	PI plots on or above "A" line	CH	Fat clay [K,L,M]
			PI plots below "A" line	MH	Elastic silt [K,L,M]
		Organic	LL (Oven dried) / LL (Not dried) < 0.75	OH	Organic clay [K,L,M,P]
				OH	Organic silt [K,L,M,Q]
HIGHLY ORGANIC SOILS		Primarily organic matter, dark in color, and organic odor		PT	Peat

[A] Based on the material passing the 3-inch (75 mm) sieve
[B] If field sample contained cobbles or boulders, or both, add " with cobbles or boulders, or both" to group name
[C] $Cu = D_{60}/D_{10}$; $Cc = (D_{30})^2 / D_{10} \times D_{60}$
[D] If soil contains ≥ 15% sand, add "with sand" to group name
[E] Gravels with 5 to 12% fines require dual symbols:
GW-GM well-graded gravel with silt
GW-GC well-graded gravel with clay
GP-GM poorly graded gravel with silt
GP-GC poorly graded gravel with clay
[F] If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM
[G] If fines are organic, add "with organic fines" to group name
[H] If soil contains ≥ 15% gravel, add "with gravel" to group name
[I] Sands with 5 - 12% fines require dual symbols:
SW-SM well-graded sand with silt
SW-SC well-graded sand with clay
SP-SM poorly graded sand with silt
SP-SC poorly graded sand with clay
[J] If Atterberg limits plot in hatched area, soil is a CL-ML, silty clay
[K] If soil contains 15 - 29% plus No. 200, add "with sand" or "with gravel"
[L] If soil contains ≥ 30% plus No. 200, predominantly sand, add "sandy" to group name
[M] If soil contains ≥ 30% plus No. 200, predominantly gravel, add "gravelly" to group name
[N] PI ≥ 4 and plots on or above "A" line
[O] PI < 4 or plots below "A" line
[P] PI plots on or above "A" line
[Q] PI below "A" line

RELATIVE SOIL COMPOSITION

Trace - 0 - 15% of sample
With - 15 - 35% of sample
Soil modifier - > 35% of sample (i.e. sandy, silty, clayey, gravelly)

Professional Service Industries, Inc.

DRILLING & SAMPLING SYMBOLS

AU - Auger sample from cuttings
BS - Bag sample
HA - Hand auger sample
SS - Split spoon sample (2" O.D. by 1⅜" I.D.)
ST - Shelby Tube sample (2" or 3" O.D.)
WS - Wash sample from wash water return

SOIL PROPERTY SYMBOLS

N - N-value (blow count) is the standard penetration resistance based on the total number of blows required to advance a split spoon sampler one (1) foot, using a 140 lb. hammer with a 30 inch free fall. To avoid damage to sampling tools, driving is typically limited to 50 blows during any 6 inch interval. Additional description is provided below:

N-value (bpf)	Description
HW	Sampler penetrated soil under weight of hammer and rods; no driving required
25	25 blows to advance sampler 12 inches after initial 6 inches of seating
75/10"	75 blows to advance sampler 10 inches after initial 6 inches of seating
50/S3"	50 blows to advance sampler 3 inches during initial 6 inch seating interval

MC - Moisture content, %
Qu - Unconfined compressive strength, tons per square foot (tsf)
Qp - Calibrated hand penetrometer resistance, tsf
γd - Dry density, pounds per cubic foot (pcf)
LL - Liquid limit, % (ASTM D4318)
PL - Plastic limit, % (ASTM D4318)
PI - Plasticity index, % (ASTM D4318)
%P200 - Percent of sample passing the No. 200 sieve
RQD - Rock quality designation of NX-size core sample
RMR - Rock mass rating, as developed by Z.T. Bieniawski
PID - Photoionization detector (Hnu meter) volatile vapor level, ppm

SOIL RELATIVE DENSITY & CONSISTENCY CLASSIFICATION

NON-COHESIVE SOILS		COHESIVE SOILS		
Density	N-Value Range	Consistency	Qu Range (tsf)	Approximate N-value Range
Very loose	0 - 3	Very soft	0 - 0.25	0 - 2
Loose	3 - 7	Soft	0.25 - 0.5	2 - 5
Medium dense	7 - 15	Medium stiff	0.5 - 1.0	5 - 10
Dense	15 - 38	Stiff	1.0 - 2.0	10 - 14
Very dense	38+	Very Stiff	2.0 - 4.0	14 - 32
		Hard	4.0+	32+

SOIL STRUCTURE TERMINOLOGY

Interlayered - Alternating layers of different soil types
Layer - Inclusion greater than 3 inches thick
Seam - Inclusion ⅛ to 3 inches thick
Laminated - Alternating seams of different soil type
Intermixed - Pockets of different soil types, no layering
Pocket - Inclusion of material of different texture
Varved - Alternating layers or seams of sand, silt, and/or clay

GROUNDWATER & MOISTURE CONDITIONS

v - Approximate groundwater level as noted during drilling and sampling
▼ - Groundwater level as noted within the open borehole upon removal of the augers
¥ - Delayed groundwater level within open borehole
Dry - Absence of moisture, dry to the touch
Moist - Damp, but no visible water
Wet - Visible free water, saturated, usually below water table

NOTE: General Notes have been adapted from and incorporate portions of ASTM D2487 "Classification of Soils for Engineering Purposes (Unified Soil Classification System)" and ASTM D2488 "Description and Identification of Soils (Visual-Manual Procedure)."

Professional Service Industries, Inc.

focus on energy®
Partnering with Wisconsin utilities

BENCHMARKING

School Benchmarking Report for

School District of Manawa

School District of Manawa,

Thank you for participating in Focus on Energy's School Benchmarking Initiative!

Focus on Energy serves K-12 schools across the state through its Agriculture, Schools and Government Program. The following analysis is provided by Focus on Energy as a service to Wisconsin K-12 public and private schools. The primary goals of this analysis are to:

- Help you understand how your buildings are doing relative to similar schools
- Identify and implement opportunities for improving operations and reducing costs in your district so that more of your budget can be spent in the classroom

Our analysis is based on school building descriptions you provided including size, number of students, types of heating and cooling used, cooking facilities, etc. In addition, we used your most recent utility bills to assess your electricity and heating fuel consumption. All of this information was compared against three sets of school energy data:

- B3 Benchmarking – each building is scored based on potential savings relative to the current energy code
- ENERGY STAR® – each building is measured to buildings of similar properties
- Peer Comparison – each building is compared to other Wisconsin schools participating in this benchmarking study

A user account has been created for you at https://focusonenergy.b3benchmarking.com. First time visitors, please visit https://focusonenergy.b3benchmarking.com/Password-Reminder to request a password key and establish your account. Once logged in you will have access to a variety of metrics, along with the ability to adjust your building and meter data.

The following report identifies the magnitude of potential energy savings. If you are interested in pursuing a project or have further questions, visit www.focusonenergy.com/ea-map to find your local Energy Advisor or call the Agriculture, Schools and Government Program at 888.947.7828.

Thank you again for participating. We hope the following information will be helpful to your district for years to come.

Sincerely,

Heather Feigum

Heather Feigum, Program Manager
Focus on Energy Agriculture, Schools and Government Program

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Partnering with Wisconsin utilities

B3 BENCHMARKING

Quick Start Guide

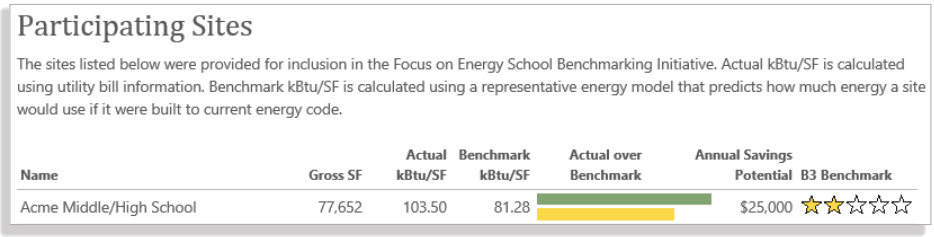
Use this guide to walk you through each item in the report, what it means and how to use the information. In this report you will find a District Summary and a report for each building that is participating in the study.

District Summary

This report details all the buildings you have submitted data for in the benchmarking study. Use this site summary to prioritize the buildings that should be evaluated first for energy savings potential. Focus on buildings with the lowest B3 Benchmark ratings.

Participating Sites

Provides details of the actual energy usage and benchmark energy usage for each building, the B3 Benchmark result, and the energy savings potential at the building.


Participating Sites

The sites listed below were provided for inclusion in the Focus on Energy School Benchmarking Initiative. Actual kBtu/SF is calculated using utility bill information. Benchmark kBtu/SF is calculated using a representative energy model that predicts how much energy a site would use if it were built to current energy code.

Name	Gross SF	Actual kBtu/SF	Benchmark kBtu/SF	Actual over Benchmark	Annual Savings Potential	B3 Benchmark
Acme Middle/High School	77,652	103.50	81.28		$25,000	★★☆☆☆

- The 'Actual kBtu/SF' value is a result of all electric and gas usage converted to kBtu and divided by the total square footage provided for the building (represented by the green bar in the Actual over Benchmark graph).
- The 'Benchmark kBtu/SF' estimates the amount of energy a similar building type would use if built to current code, which references ASHRAE 90.1-2013 standards (represented by the yellow bar in the Actual over Benchmark graph).
- The Annual Savings Potential is an estimate of the dollar savings attainable if the building was operating 15% more efficiently than code.
- The B3 Benchmark score is reported in a five-star system. A five-star rating translates to a school using the lowest amount of energy compared to building code. A two-and-a-half-star rating translates to the school using the same amount as code would require, and any less than two and a half stars indicates the school is using more energy than code.

Energy Savings Opportunities

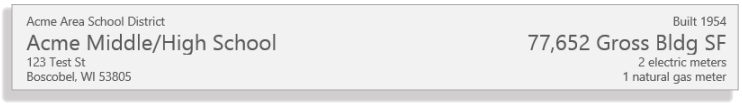
Each building that is using more energy than code will show energy savings potential. Keep in mind, even if there is no energy savings listed for your site - there is always room for improvement. Work with your energy advisor to help identify savings beyond the "low hanging fruit". Energy Savings Opportunities are reported if the building uses more than 15% less than the current energy code. For example - if your building uses the same amount of energy as the benchmark, there is still 15% energy savings available because it is feasible to achieve 15% better than code with current technologies. The pie chart shows the amount of savings potential by fuel source which can help prioritize which technologies to upgrade.

Quick Start Guide

Use this guide to walk you through each item in the report, what it means and how to use the information. In this report you will find a District Summary and a report for each building that is participating in the study.

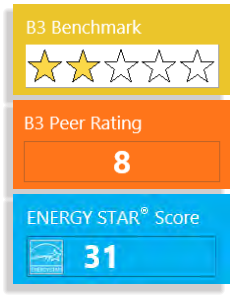
Building Summary

This section details the building information provided to Focus on Energy to analyze the building. If something looks wrong in this section, please contact your energy advisor to get it updated as the data here will change the report and scores.

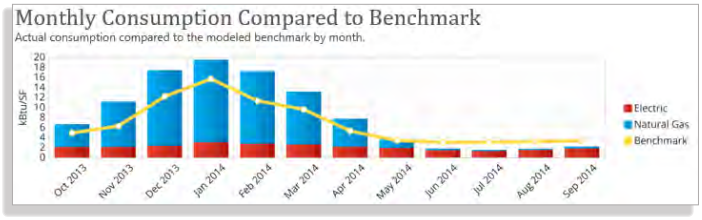


B3 Benchmark, Peer Rating and ENERGY STAR® Score

There are three scores listed for each building. The B3 Benchmark score was also reported on the district summary and compares the building data to the current energy code. The B3 Peer Rating is reported as a number between 1 to 100 with 50 being average of Wisconsin Schools participating in this study. Higher than 50 means your school is using less energy than a typical Wisconsin school and lower than 50 means your school is using more energy than a typical Wisconsin school. The ENERGY STAR score is reported as a number between 1 and 100. A score of 50 translates to using the average amount of energy. Higher than 50 means a customer uses less energy than similar properties and lower than 50 means a customer uses more energy than like properties.

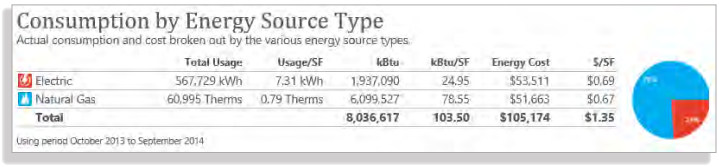


Monthly Consumption Compared to Benchmark



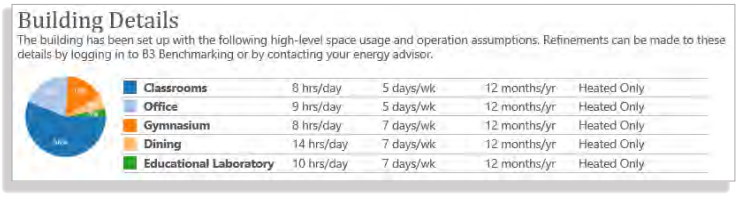
The Monthly Consumption graph shows the amount of energy broken out by fuel type used to heat, cool and operate the building each month of the year. Using an engineered model of yearly consumption of a typical facility built to code, the yellow benchmark line can help you identify which energy source is dominating energy charges and at what time of year you are using too much.

Consumption by Energy Source Type



This table details the total energy used by fuel, how much is spent in the previous 12 months on that fuel, and the usage breakdown for that building. Use this section to identify the energy source you should be focusing on for your next upgrade.

Building Details



This section shows the assumptions of space type that are used for calculating the benchmarks for your building. If an assumption is incorrect, please contact your energy advisor and they will assist you in updating it in the B3 software.

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B3 BENCHMARKING

School District of Manawa — 178,840 Gross Bldg SF

Participating Sites

The sites listed below were provided for inclusion in the Focus on Energy School Benchmarking Initiative. Actual kBtu/SF is calculated using utility bill information. Benchmark kBtu/SF is calculated using a representative energy model that predicts how much energy a site would use if it were built to current energy code.

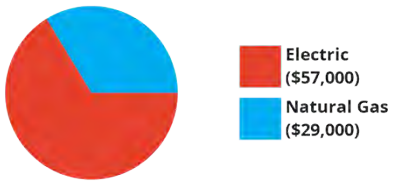
Name	Gross SF	Actual kBtu/SF	Benchmark kBtu/SF	Actual over Benchmark	Annual Pot. Savings	B3 Benchmark
Little Wolf Junior/Senior High School	93,261	96.70	74.43		$49,000	★★☆☆☆
Manawa Elementary	85,579	100.23	59.02		$37,000	★★☆☆☆

Energy Savings Opportunities

100 % of the potential savings ($86,000/yr) comes from 2 sites.

- Little Wolf Junior/Senior High School ($49,000)
- Manawa Elementary ($37,000)

Improvement Potential by Fuel Source



Even if some or all sites indicate no savings potential compared to code, there's always room for savings. Contact your energy advisor to discuss savings opportunities for your sites.

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B3 BENCHMARKING

School District of Manawa

Little Wolf Junior/Senior High School

515 E 4th St
Manawa, WI 54949

Built 1969

93,261 Gross Bldg SF

2 electric meters
1 natural gas meter

B3 Benchmark

This site is using slightly more energy than the B3 Benchmark.

B3 Peer Rating

8

This site is ranked in the lower 8th percentile amongst 51 similar sites.

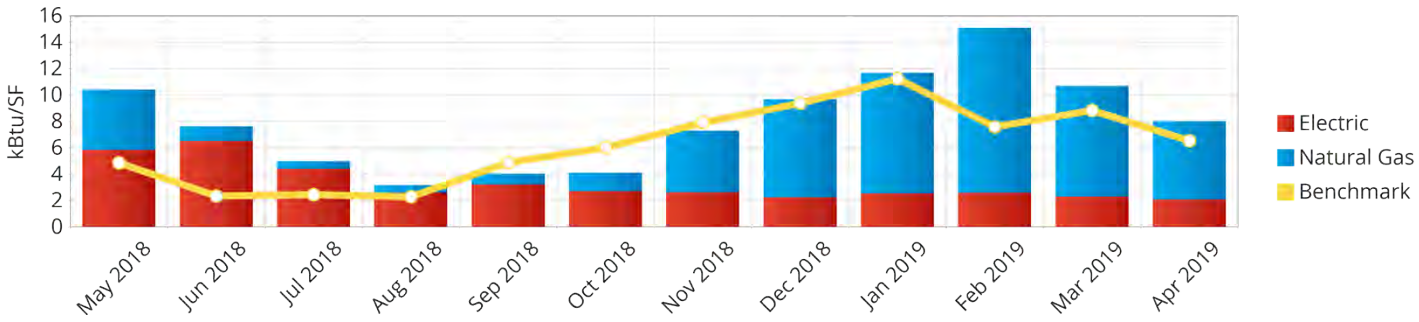
ENERGY STAR® Score

13

This site has received an ENERGY STAR score of 13

Monthly Consumption Compared to Benchmark

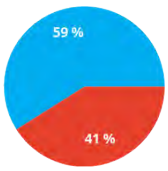
Actual consumption compared to the modeled benchmark by month.



Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

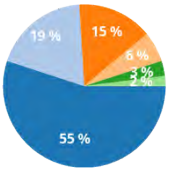
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	$/SF
Electric	1,085,112 kWh	11.64 kWh	3,702,403	39.70	$123,390	$1.32
Natural Gas	53,158 Therms	0.57 Therms	5,315,800	57.00	$28,486	$0.31
Total			**9,018,203**	**96.70**	**$151,876**	**$1.63**



Using period May 2018 to April 2019

Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Classrooms	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
Office	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
Gymnasium	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
Dining	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
Educational Laboratory	10 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
Kitchen	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

focus on energy®
Partnering with Wisconsin utilities

B3 BENCHMARKING

School District of Manawa
Manawa Elementary
800 Beech St
Manawa, WI 54949

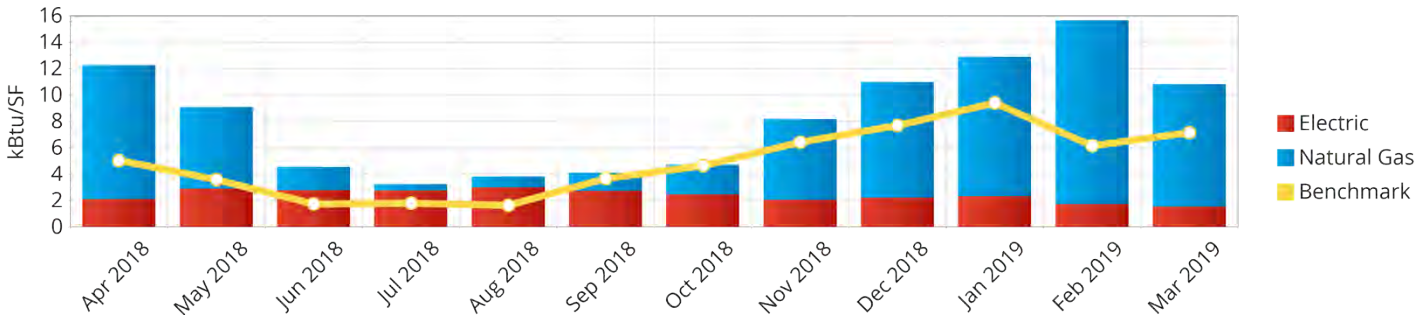
Built 1996
85,579 Gross Bldg SF
2 electric meters
1 natural gas meter

B3 Benchmark
This site is using more energy than the B3 Benchmark.

B3 Peer Rating
3
This site is ranked in the lower 3rd percentile amongst 155 similar sites.

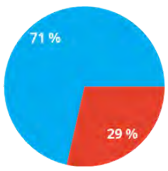
ENERGY STAR® Score
75
This site has received an ENERGY STAR score of 75

Monthly Consumption Compared to Benchmark
Actual consumption compared to the modeled benchmark by month.



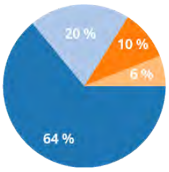
Consumption by Energy Source Type
Actual consumption and cost broken out by the various energy source types.

	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	$/SF
Electric	717,829 kWh	8.39 kWh	2,449,234	28.62	$71,917	$0.84
Natural Gas	61,287 Therms	0.72 Therms	6,128,700	71.61	$31,918	$0.37
Total			**8,577,934**	**100.23**	**$103,835**	**$1.21**



Using period April 2018 to March 2019

Building Details
The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Classrooms	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
Office	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
Gymnasium	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
Dining	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

LAFORCE INC

ELECTRONIC SECURITY SYSTEMS powered by LAFORCE

09/09/2019

QUOTATION

Manawa School District
Attn: Melanie Oppor
800 Beech Street
Manawa, WI 54949-0400

RE: SI - ELEMENTARY SCHOOL BRIVO ADDITIONS
Quote#:389284
Contact: Heather Wirz
920.491.5929 or 1.800.236.8858 ext. 2929
HWirz@laforceinc.com

Brivo OnSite Server Expansion at Door M18 Exterior:

- HID MultiClass SE Series 125KHz/13.56MHz R10 mini mullion-mount smart proximity reader (black) (Quantity of 1)
- Interlogix 1" diameter recessed Door Position Switch (DPS) (brown) (Quantity of 2)
- HES 9600 Series 12VDC / 24VDC ¾" rim exit electric strike with 630 satin stainless steel finish (Quantity of 1)
- Altronix 12VDC / 24VDC 1.75 amp power supply, (2) 12VDC 7 amp hour SLA backup batteries, and expanded enclosure (Quantity of 1)
- Wire / cable, connectors, and miscellaneous supplies necessary for fully functional, proper installation of the components included in this quotation
- Installation and termination of the equipment included in this quotation by LaForce, Inc.

Total Price for Brivo Expansion at Door M18 Exterior of Manawa Elementary School = $2,225.00

Brivo OnSite Server Expansion at Door M7 Exterior:

- Brivo OnServer ACS6000 series two reader expansion board (Quantity of 1)
- HID MultiClass SE Series 125KHz/13.56MHz R10 mini mullion-mount smart proximity reader (black) (Quantity of 1)
- Interlogix 1" diameter recessed Door Position Switch (DPS) (brown) (Quantity of 2)
- HES 9600 Series 12VDC / 24VDC ¾" rim exit electric strike with 630 satin stainless steel finish (Quantity of 1)
- Wire / cable, connectors, and miscellaneous supplies necessary for fully functional, proper installation of the components included in this quotation
- Installation and termination of the equipment included in this quotation by LaForce, Inc.
- Pricing is valid only if door M18 is done at the same time or prior to this opening.

Total Price for Brivo Expansion at Door M7 Exterior of Manawa Elementary School = $2,210.00

Brivo OnSite Server Expansion Door M3 Exterior:

- HID MultiClass SE Series 125KHz/13.56MHz R10 mini mullion-mount smart proximity reader (black) (Quantity of 1)
- Interlogix 1" diameter recessed Door Position Switch (DPS) (brown) (Quantity of 2)
- HES 9600 Series 12VDC / 24VDC ¾" rim exit electric strike with 630 satin stainless steel finish (Quantity of 1)
- Wire / cable, connectors, and miscellaneous supplies necessary for fully functional, proper installation of the components included in this quotation
- Installation and termination of the equipment included in this quotation by LaForce, Inc.
- Pricing is valid only if doors M18 and M3 are done at the same time or prior to this opening.

Total Price for Brivo Expansion at Door M3 Exterior of Manawa Elementary School = $1,795.00

Proposal Qualifications:

1. Please allow up to 8-12 weeks from written acceptance of this proposal for installation to begin. Please keep in mind that occasional back-orders / shipping delays may affect this timeline.
2. Our pricing is based on the assumption that adequate 115VAC / 120VAC electrical power is already in place or will be installed by others.
3. Our proposal does not include specialty cable such as plenum-rated, wet-rated, direct burial, etc.
4. Our pricing is based on the assumption that any required conduit / raceway systems are already in place or will be installed by others.
5. Our proposal does not include the purchase and / or rental of any electrical / mechanical lift equipment.
6. Our proposal does not include the provision and / or installation of any doors, door frames, and / or mechanical door hardware unless explicitly listed in this document.
7. Our proposal does not include the provision of any credentials, such as cards, key tags / fobs, adhesive tags, etc., as we assume your current stock of credentials is sufficient.
8. The acceptance of this proposal is dependent upon approved credit and / or current account status with LaForce, Inc.
9. This proposal does not include union labor and / or prevailing wage rates.
10. This proposal DOES include all applicable shipping and handling costs.

THIS PROPOSAL INCLUDES AND IS SUBJECT TO THE PAGE OF TERMS AND CONDITIONS LOCATED AT THE END OF THIS DOCUMENT.

Sincerely,

Heather Wirz

Heather Wirz
LaForce, Inc. – Green Bay
Security Integration Division
Phone: (920) 491-5929
Email: HWirz@laforceinc.com

ACCEPTED BY

Company: _____

Date: _____

Signature: _____

LAFORCE INC

ELECTRONIC SECURITY SYSTEMS powered by LAFORCE

TERMS AND CONDITIONS

1. This quotation is subject to prompt acceptance within 30 calendar days from the date of this quotation.
2. No sales, use or other taxes are included unless otherwise stated herein. No installation, utilities or bonding are included unless otherwise stated herein.
3. To approved credit, payment terms are Net 30 days from the date of Seller's invoice without retainage. Any invoice or part of invoice, which is not paid when due shall bear interest at the rate of 1½% per month.
4. Buyer is solely responsible for all necessary building permits from government authorities and associated fees.
5. Installation, programming, and training, if any, will be performed during normal business hours of 7:30 am to 4:30 pm Monday through Friday excluding holidays. If other than normal business hours are required, additional charges will apply.
6. Seller shall only be required to furnish material, labor, or services, which are explicitly described in this quotation, or which are, in the Seller's sole judgment, explicitly described in those portions of the plans, drawings, and specifications explicitly referenced in this quotation. Any items not so explicitly described herein or not in Seller's sole judgment so explicitly described in such portions of the plans and specifications are not offered to be sold or furnished under this quotation.
7. Deliveries will be made based upon manufacturer's delivery schedule at the time when final approved shop drawings and schedules describing the materials have been furnished by Buyer to Seller and Buyer has furnished Seller with all other information required by the manufacturers of the materials being furnished including but not limited to field dimensions and hardware and door schedules. Seller shall not be liable for delay due to fire, war, natural catastrophes, sabotage, civil insurrection, acts of God, labor disputes, material shortages, or other unforeseeable occurrences, which are beyond the reasonable control of the Seller.
8. Seller has no responsibility for field conditions whether or not concealed, or conditions preventing or interfering with delivery of materials and performance of work. Buyer is obligated to provide access to the jobsite so that the materials can be delivered in a commercially reasonable manner. If there shall be any alteration in the schedule of deliveries or work so as to increase the Seller's cost, Seller shall be entitled to compensation thereof.
9. If the material or work is covered by a change order or order for extra work or materials, no material need be ordered and no work need be performed or scheduled unless or until, Buyer has furnished Seller with a written change order thereof or other written authorization signed by the Buyer and by the Owner or someone authorized to sign on behalf of the Owner describing the extra materials to be provided and the extra work to be performed and stating the agreed price thereof.
10. Seller warrants only that a) the goods provided by Seller will be free from defects in material for a period of one (1) year after delivery and b) installation rendered by Seller, if any, will be free from defects in workmanship for a period of one (1) year from the date of installation, except for installation of electrical or motorized goods rendered by Seller in which case the warranty period is reduced to ninety (90) days from the date of installation. Seller's warranty does not cover defects due to neglect, misuse, abuse, structural settlement, improper installation, lack of proper maintenance or any cause other than defects directly attributable to Seller. SELLER DISCLAIMS ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE EXCEPT AS OTHERWISE EXPRESSLY PROVIDED IN SELLER'S QUOTATION UNLESS SPECIFICALLY MADE IN WRITING AND SIGNED BY SELLER. Notice of any defect in goods or installation or nonconformity of same with the requirements of the contract between the parties shall be given to Seller by Buyer within three (3) days of discovery by Buyer, and Seller shall be given a reasonable time to cure the defect, or nonconformity, or the defect or nonconformity shall be deemed waived. Use of any defective or nonconforming items without notice of the defect or nonconformity shall waive all claims on account of such defect or nonconformity. Seller shall in no event be liable for any incidental, special, liquidated, or consequential damages.
11. This quotation is made in accordance with the provisions appearing in this quotation, but only in accordance with these Terms and Conditions. All contrary or additional terms appearing in any document previously received by Seller or in an acknowledgement or response hereto are rejected. In the event this quotation is referred to or in any way becomes a part of the contract between the parties, the provisions of this quotation including but not limited to these Terms and Conditions shall have priority over any conflicting provisions of any other document. No term in any form used by Buyer shall be binding upon Seller unless Seller has consented in writing thereto. Any response to this quotation which does not expressly reject it, and any order for any of the work, labor, or material described herein shall constitute acceptance of all of the provisions, terms and conditions of this quotation, including but not limited to these Terms and Conditions.