

Ley Pavilion Maintenance and Improvements

	<u>Estimated Cost</u>
1) Remove the existing asphalt floor and replace it with concrete.	\$650,000-\$900,000
a) Install piping (coils) for refrigeration system in new concrete.	<i>To Kyle getting breakdown of costs to separate coils install piping</i>
2) Remodel and add on to the existing heated building	\$500,000-\$750,000+
a) Create a dedicated entrance on the east end	
b) Add locker room space	
i) 4 individual team locker rooms	
ii) Girls' locker room for co-ed teams	
iii) Referee's locker room	
iv) Dedicated High School team locker room	
c) Provide a larger concession stand area	
d) Provide a larger commons area for public space	
e) Upgrade electrical system	
f) Upgrade plumbing and public restrooms	
g) Enclose building and insulate to meet code	
h) Add a cold storage area	
i) Install skate resistant flooring throughout	
3) Replace roof and insulation.....	\$150,000??
4) Install ceiling and vapor barrier under purlins.....	\$50,000
5) Replace sound system.....	\$32,000
6) Install overhead radiant heat tubes in spectator area....	\$10,000
7) Install permanent, collapsable bleachers.....	\$25,000
8) Install commercial dehumidification system.....	\$110,000
9) Install LED lighting.....	\$30,000

1) and 1a:

The current asphalt floor is cracked, heaving and uneven. This creates a difficult base on which to create an ice arena. The ice ends up being 6-8" thick in some areas to achieve the minimum 2-3" to cover the coils in other areas. Thick ice is very inefficient to maintain and puts an extra unnecessary load on the chilling equipment. Installing the coils permanently in the concrete floor would allow for maintaining a layer of ice that is only 1.5-1.75" thick. Not only would this increase efficiency and save energy, it would also make taking the ice out at season's end much quicker. Currently, IWYHA must wait for all the ice to melt before we can roll up and store the portable coils that we use. Installing the coils in the floor would allow for the ice to be pushed out of the building once the rink boards are taken down where it could melt outside, reducing the amount of time it takes each spring to clear the building of the hockey setup from weeks to a matter of days.

A finished concrete floor would also make the building more aesthetically pleasing during the summer when the ice arena is not installed.

2a)

Adding a dedicated entrance and new concessions/common area onto the east end of the building would add to the curbside appeal of the building while providing an obvious point of entrance to the building at the side where there is the most parking. This would be a benefit for all events held at the pavilion throughout the year.

2b)

IWYHA currently has the poorest locker room facilities for a WAHA sanctioned ice arena in the state. The main locker room is made by dividing the large room inside the heated building in half to create 2 locker rooms of inadequate size and privacy. These are referred to as the "home" locker rooms. Two more locker room spaces are created each year out in the pavilion using modular steel panels and wrapped in insulation. These 2 locker rooms, the "visitors" locker rooms, are woefully inadequate in terms of comfort and space. The current referee's locker room also doubles as an equipment storage area and houses the skate sharpening machine. The refs often have no privacy or ability to secure their belongings because the room must be accessed throughout the day by volunteer workers. A dedicated girl's locker room for the female players on co-ed teams to utilize is becoming the norm at most arenas. An additional larger locker room dedicated for use by the high school team would be a perk for the oldest players, but it would also be a good investment to be prepared for a potential Dodgeville High School WIAA team in the future.

2c)

The current concession stand is undersized and poorly designed. If a new common area is constructed on the east end of the pavilion an upgraded concession area would be a smart addition. Presently, on the Parks and Rec page, it is advertised that the pavilion has a "kitchen" space. It does not. It has a room with a refrigerator and a sink. A new concession area could fulfill this amenity and provide a space for summer events to utilize as well.

2d)

This would complement the larger, new concession area. When hosting public skate events and tournaments, the present common area is much too small to accommodate large crowds. This would also make for a nice public space to rent during the summer months for a group that does not need or want to utilize the entire pavilion.

2e)

The electrical system for the entire facility needs to be upgraded. The present system is aging and decaying to the point of being unsafe. It is also undersized and poorly laid out, making it unable to accommodate the power needs of events in the present day.

2f)

Like the electrical system, the plumbing and restrooms are aging and in need of restoration. The hot water heater used to fill the Zamboni is still the original one that was installed in 1989. Some design changes to the layout of the current restrooms should be considered as well.

2g)

Complete enclosure and insulation of the sidewalls would keep the building more comfortable year-round. It would also deter birds and other wildlife from taking up habitat in the building.

2h)

A cold storage addition to the pavilion would be used by IWYHA to store the dasherboards and related ice arena equipment on-site during the offseason. The IWYHA would also utilize the area to store all the player equipment (pads, skates, helmets, etc.) it owns in a secure and permanent space. The equipment is offered to players through a low-cost rental program each season to help keep hockey affordable for anyone who joins the program. The association also owns several 100 pairs of rental skates that are available for the public during open skate events that could be stored in this addition.

2i)

Each season IWYHA must install and remove hundreds of 1/2" thick rubber mats to provide a surface that is suitable for skaters to walk on. This is a very labor-intensive process that could be all but eliminated by installation of permanent appropriate flooring in the public areas and locker rooms.

3)

The roof has not had any major maintenance done in its lifetime. It leaks in several spots, the ridge vents do not operate correctly, and the insulation is falling apart due to bird damage. This is an area that is long overdue for maintenance.

4)

Installation of a vapor barrier to minimize condensation inside the building is a necessary addition for a building housing an ice arena. Adding a ceiling to cover up the rust red purlins

would naturally brighten the building and make it a more attractive space. A commercially available product, Arena Shield, is a low e-ceiling that is made specifically for ice arenas.

5)

A new sound system would provide a better game-day experience for hockey. It would also enable more interaction with the crowd during public skating events. In the summer months, events such as the WI Grill Cheese championship would be able to utilize it instead of bringing in portable sound systems. Wedding parties and other events could make use of it as well.

6)

Overhead radiant heat is a common feature at most ice arenas. This is a low-cost amenity that could be installed immediately by IWYHA. The Association won an on-line vote in 2022 proclaiming the pavilion to be the “coldest rink in the state.” Making the arena more comfortable for spectators would enable us to attract more teams to return for games and tournaments.

7)

Presently the seating for a hockey game is poor at best. The bleachers that are brought in each year are not high enough to provide an adequate view of the game. After the cold, they are the second most complained about feature by visitors. The installation of permanent bleachers that would be taller and give a better view would be another way of making the pavilion more inviting. In the offseason, the bleachers could also be used during any number of events for spectator seating. When not in use, they could be collapsed against a wall to maximize floor space in the pavilion.

8)

A commercial dehumidifier would remove the moisture from the building that is generated when making and melting the ice. It would greatly add to the life span of the building by keeping it from prematurely deteriorating due to the excess humidity in the structure.

9)

LED lighting would greatly improve the atmosphere in the building. Combined with a white or reflective ceiling surface, it would make the interior much more appealing. LED lighting would also improve the energy efficiency of the building and have a very rapid ROI due to the savings on utilities.

		BUDGET Rink Size: 200' x 85' x 28' Date: 5/19/2023
SCOPE CLARIFICATIONS (X=EXCLUDED, INCL=INCLUDED, N.A.=NON APPLICABLE, ALT.=ALTERNATE)		
GENERAL CONDITIONS		
<input checked="" type="checkbox"/>	Permits	
<input checked="" type="checkbox"/>	Stamped drawings	
<input checked="" type="checkbox"/>	Sales taxes	
<input checked="" type="checkbox"/>	Shipping	
<input checked="" type="checkbox"/>	Site preparation, soil/civil engineer services as needed	
<input checked="" type="checkbox"/>	Soil stabilization as stipulated by soil engineer	
<input checked="" type="checkbox"/>	Site drainage and dewatering	
<input checked="" type="checkbox"/>	Debris/trash removal/dumpster	
<input checked="" type="checkbox"/>	Cost of generator if required for small tools	
<input checked="" type="checkbox"/>	Cost of electric through construction	
<input checked="" type="checkbox"/>	Ventilation and/or utility design for ice resurfacer room	
<input checked="" type="checkbox"/>	Inadequate lighting, protection from water run off, snow removal	
<input checked="" type="checkbox"/>	Provide training session to arena personnel and service contractor	
<input checked="" type="checkbox"/>	Proper rough grade elevation as specified in project drawings + 1"	
<input checked="" type="checkbox"/>	Rink perimeter concrete in place prior to rink floor construction. + 1.8" over 10'	
REFRIGERATION/MECHANICAL SYSTEMS		
<input checked="" type="checkbox"/>	INCL Unloading/Rigging and Placement of Chiller	
<input checked="" type="checkbox"/>	INCL Unloading/Rigging and Placement of Condenser Cooling Tower	
<input checked="" type="checkbox"/>	INCL Water cooled chiller	
<input checked="" type="checkbox"/>	ALT Air cooled chiller	
<input checked="" type="checkbox"/>	INCL Evaporative Condenser Cooling tower	
<input checked="" type="checkbox"/>	X Chemical water treatment	
<input checked="" type="checkbox"/>	INCL Ethylene glycol	
<input checked="" type="checkbox"/>	INCL PumpSiai variable flow pumps/sid	
<input checked="" type="checkbox"/>	X Concrete slab for cooling tower/evaporative condenser	
<input checked="" type="checkbox"/>	X Main 3ph electrical supply to chiller including all conduit, power wiring and fused disconnects	
<input checked="" type="checkbox"/>	X 1" water supply line for cooling tower/evaporative condenser/sump tank	
<input checked="" type="checkbox"/>	INCL Structural stand for cooling tower/evaporative condenser	
<input checked="" type="checkbox"/>	X Heat trace materials (Wire, Control, insulation) and electrical supply for condenser water piping	
<input checked="" type="checkbox"/>	INCL Snow melting pit grid, heat exchanger, pump and glycol (not by others)	
<input checked="" type="checkbox"/>	ALT Heat reclaim desuperheaters, plate and frame heat exchangers, controls	
<input checked="" type="checkbox"/>	X Heat reclaim supporting equipment: Holding tanks, Boiler, interconnecting piping and pumps	
<input checked="" type="checkbox"/>	INCL System pressure testing, start up and commissioning	
HVAC & DEHUMIDIFICATION SYSTEMS		
<input checked="" type="checkbox"/>	INCL Desiccant Dehumidifier	
<input checked="" type="checkbox"/>	INCL Unloading/Rigging and placement of Dehumidifier	
<input checked="" type="checkbox"/>	X Roof curb/Concrete slab for dehumidifier	
<input checked="" type="checkbox"/>	X Duct work for desiccant type dehumidifier	
<input checked="" type="checkbox"/>	INCL Indoor air quality sensor package	
<input checked="" type="checkbox"/>	X Cutting, coring and patching of wall or floor penetrations	
RINK FLOOR SYSTEMS		
<input checked="" type="checkbox"/>	INCL System pressure testing, start up and commissioning	
<input checked="" type="checkbox"/>	X Excavation of spoils from transmission line trench	
<input checked="" type="checkbox"/>	X Backfilling of material and capping of transmission line trench	
<input checked="" type="checkbox"/>	X Supply of limestone shavings or compactable sand for lower grading	
<input checked="" type="checkbox"/>	INCL Frost shield header and tubing	
<input checked="" type="checkbox"/>	INCL Frost shield mechanical heat exchanger and pump	
<input checked="" type="checkbox"/>	INCL Expanded insulation and vapor barriers	
<input checked="" type="checkbox"/>	INCL Fusion ice rink piping system (HDPE headers and u bends)	
<input checked="" type="checkbox"/>	INCL Floor sensor	
<input checked="" type="checkbox"/>	INCL Rink pipe chairs	
<input checked="" type="checkbox"/>	INCL Wire mesh, rebar, wire ties & expansion joint	
<input checked="" type="checkbox"/>	INCL 5" thick concrete rink slab	
<input checked="" type="checkbox"/>	INCL Place and finish of concrete rink slab	
<input checked="" type="checkbox"/>	INCL Pumping of concrete for rink slab	
<input checked="" type="checkbox"/>	INCL Testing of concrete during pour	
DASHERBOARDS		
<input checked="" type="checkbox"/>	INCL Steel framed hockey dashers	
<input checked="" type="checkbox"/>	ALT 3" HIPS/ poly backer panels	
<input checked="" type="checkbox"/>	INCL Above glass netting - rink ends	
<input checked="" type="checkbox"/>	INCL Above glass netting - rink sides	
<input checked="" type="checkbox"/>	INCL Tempered glass shielding	
<input checked="" type="checkbox"/>	INCL Players boxes	
<input checked="" type="checkbox"/>	INCL Penalty boxes	
<input checked="" type="checkbox"/>	INCL Scorekeepers box	
<input checked="" type="checkbox"/>	INCL Glass shielding around entire players, penalty and scorekeepers boxes	
<input checked="" type="checkbox"/>	INCL Benches in players, penalty and scorekeepers boxes	
<input checked="" type="checkbox"/>	INCL Rubber matting in players, penalty and scorekeepers boxes	
<input checked="" type="checkbox"/>	X Coaches walkway in players boxes	
<input checked="" type="checkbox"/>	INCL Wooden subfloor for players, penalty and scorekeepers boxes	
<input checked="" type="checkbox"/>	INCL Water bottle shelf in players boxes	
<input checked="" type="checkbox"/>	INCL Aluminum 1 piece uprights with gaskets	
<input checked="" type="checkbox"/>	INCL Table in scorekeepers box	
ACCESSORIES		
<input checked="" type="checkbox"/>	INCL White ice paint	
<input checked="" type="checkbox"/>	INCL Line kit for hockey markings	
<input checked="" type="checkbox"/>	INCL Painting and installation of ice markings	
<input checked="" type="checkbox"/>	X Additional ice making over paint ice markings	
<input checked="" type="checkbox"/>	X Center ice logo	
<input checked="" type="checkbox"/>	X Ice making hoses	
<input checked="" type="checkbox"/>	ALT Ice resurfacer	
<input checked="" type="checkbox"/>	X Hot water system for ice resurfacer	
<input checked="" type="checkbox"/>	ALT Hockey goals	
<input checked="" type="checkbox"/>	INCL Marsh pegs	
<input checked="" type="checkbox"/>	ALT Ice edger	
<input checked="" type="checkbox"/>	ALT Arena rubber flooring	
<input checked="" type="checkbox"/>	ALT Rental skates	



To: Ice Wolves Youth Hockey
ATTN: Kyle Levetzow
Email: icewolvespres@gmail.com

Date: 2/21/2025
Proposal Title: Ice Wolves Speaker Replacement
Dodgeville WI

Grounded Electric, Inc pleased to furnish this Proposal for installation of wiring, material, and/or equipment for the above referenced project. This proposal is submitted per your request and includes the clarifications listed below.

Total Lump Sum Proposal \$31,925.00

Scope of Work:

- Furnish and install (1) replacement ceiling mount speaker in concession area.
- Furnish and install (2) replacement ceiling mount speakers in the lobby area.
- Furnish and install (7) replacement exterior wall mount speakers.
- Furnish and install (14) replacement suspended pendant mount speakers above ice.
- Furnish and install (4) new wall mount speakers. (2) behind each bleacher area.
- Replace head end equipment and replace with:
 - Wall mounted rack to provide system with proper ventilation.
 - LEA professional amplifier.
 - Tascam CD-4000U media player supporting Bluetooth, AM/FM, SD/SDHC, CD, and 3.5mm audio connections.
 - (8) channel power conditioner.
 - Includes system programming and owner training.
- New system will be broken into (4) individually controlled zones.
 - Ice rink, concession, exterior, lobby.
 - Surface mount wall controls will be added to control volume for each zone. Location TBD onsite.
- Demo, remove, recycle and/or dispose of (24) speakers and associated mounting brackets/boxes/hardware.

Clarifications:

- We've included electrical permit fee.
- We've included (1) week of lift rental to complete work in ice arena.
- All work to be performed during normal business hours, Monday thru Friday 7am to 5pm.
- Pricing is valid for (15) days.

Proposal may be withdrawn if not accepted by 15 Days

Payment to be made within 30 Days

Authorized Signature:

Matt Yerde

Title: Project Manager

Phone Number: 608-250-0225

The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified in the proposal above.

Signature of Acceptance:

Date:

PROPOSAL

25-0444 AV - Dodgeville Ice Wolves

Grounded Electric

3753 County Road Z

Dodgeville

WI 53533-8935

Revision: 0
Modified: 2/20/2025
Project No: 25-0444

Presented By:

Omni Technologies, LLC

900 Oregon Center Drive
Oregon, WI 53575 United States
(608) 819-1980
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SCOPE OF WORK

Omni Technologies LLC is pleased to present this AV proposal for the Dodgeville Ice Wolves in Dodgeville, WI. This is a Parts & Smarts proposal.

Note:

- New (Optional) rack to house AV equipment
- LEA Professional Amplifier - 4 zones, Microphone Ducking, room for expansion
- Wall Mounted Volume Controls for each zone: Ice Rink, Concession, Exterior, Lobby
- Existing Microphone to be integrated into system
- Tascam CD-400U media player includes Bluetooth, AM/FM, SD/SDHC, CD-ROM, and 3.5mm audio inputs for flexibility and ease of use

Includes:

- (Optional) AV Rack to house equipment - locking door - wall-mount
- (1) LEA Professional Amplifier
- (1) 8 Channel IP Power Conditioner
- (1) Tascam Media Player
- (4) Wall-mounted Volume Controls
- (3) Ceiling Speakers
- (14) Pendant Speakers
- (11) Wall Speakers
- CAD Drawings/Design
- Labor for Device Installation, Head End/Programming, Testing, and Training

Does Not Include:

- Installation of Speakers - Device Install only covers Head End Devices/Optional Rack
- Speaker Safety Cables - Can add on a change order if necessary
- Cable or Cable Installation
- Elevator traveling cable or install labor
- 120VAC connections
- Electrical rough-in/conduit/back boxes
- Fire stopping
- Lift/scaffolding rental for work above 12 ft.
- Work performed outside normal business hours
- Equipment or services not listed within the proposal.

- 4 **AtlasIED AT35D**
 - 35W Attenuator - Decora - White
- 1 **Labor CAD/Drawings**
- 1 **Labor Field Device Installation**
- 1 **Labor Head End/Programming Labor**
- 1 **Labor Project Management**
 - Project Management & Coordination
- 1 **Labor Testing & Configuration**
 - Testing and Configuration of Installed Devices
- 1 **Labor Training**
 - End-User Product/System Training
- 1 **LEA Professional CONNECT 1504D**
 - LEA Professional CONNECT 1504D 4-Channel High Power Smart Amp, 1500W
- 1
 - LEA Professional XLRF
 - XLRF Female XLR to Amphenol Anytek 3-Pin Connector
- 1 **Misc. GROUND SHIPPING**
 - Shipping and Handling
- 1 **Misc. MILEAGE/TRAVEL**
- 1 **Netgear GS308**
 - 8-Port Ethernet Unmanaged Switch
- 3 **QSC AC-C4T**
 - 4.5" Full-range ceiling speaker, 70/100V transformer with 8? bypass, 140° conical coverage, includes C-ring and rails for blind mount installation.
 - Priced individually, sold only in pairs.
- 11 **QSC AC-S6T**
 - 6.5" Two-way surface speaker, 70/100V transformer with 8? bypass, 130° conical coverage, includes Yoke Mount. Color - White. Priced individually, sold only in pairs.
- 14 **QSC AD-P6T-WH**
 - 6.5" Two-way pendant speaker, 70/100V transformer with 16? bypass, 135° conical DMT coverage, Includes cable and fastener for suspended Installation. Color - White.
- 1 **Tascam CD-400U**
 - CD/SD/USB Player with Bluetooth Receiver and FM/AM Tuner
- 1 **WattBox WB-800CH1U-IPVM-8**
 - 1U Integrated Faceplate IP Power Conditioner | 8 Individually Metered and Controlled Outlets

Additional Options

1 **Strong SR-WMS-10U**
10U Wall-Mount Rack with Locking Door and Locking Side Panels

3 **Middle Atlantic EB1**
1SP FLANGED ECONO BLANK

1 **Middle Atlantic Omni 1U Branded Blank Plate**
Omni Branded Blank Panel, 1 RU, Aluminum, Flanged

1 **Strong SR-SHELF-2U**
2U Rack Shelf

AV System Total

\$20,872.00

Project Subtotal:

\$20,872.00

	Items	Optional	Total
Grand Total:	\$20,872.00	\$738.00	\$21,610.00

Included in
lump sum quote
on page #1.