

Los Alamos Ice Rink Shade Structure Evaluation

First Public Meeting
Parks and Recreation Board
January 9, 2025

Incorporated County of Los Alamos

Public Works Department
Community Services Department
County Public Relations

Project Team

- Brendan Tuning – Ice Rink Manager
- Katherine Hudspeth – Recreation Superintendent
- Julie Williams-Hill – Public Relations Manager
- John McNamara – Design Professional, Wilson & Co.
- Sobia Sayeda – Project Manager
- Miguel Jimenez – Sr. Project Manager

Background

- Persistent issues that limit the Ice Rink usability
 - Ice loss to sun load in early November and from mid-January until the end of the ice-skating season
 - Sun & rain exposure during summer months
- On-going & future improvements to ice making systems
 - Replacement of refrigeration plant/chiller (in progress)
 - Replacement of aging refrigerated floor (pending shade structure evaluation)
- Timely opportunity to reassess possibility of adding a shade structure

Meeting Objective

1. Introduce the Planning & Public Outreach Phase
 - Summary of December 16, 2024 Listening Sessions
2. Present a Summary of Previous Efforts
3. Public Outreach Next Steps

Scope of Planning Phase

- Engage the community in three public meetings to gather input and inform decision-making
- Research and evaluate shade structure alternatives
 - Analyze up to three alternatives that meet project needs
 - Assemble budgetary costs to design/build/maintain shade structure alternatives
- Obtain recommendations for design development

Listening Sessions

Who: LA Derby Dames and LA Hockey Association

When: December 16, 2024

Where: Room 200, Municipal Building

- Gathered information and input in relation to a shade structure for Los Alamos Ice Rink.
- Understand perspectives, concerns, and needs to inform decision making.
- Public outreach process and schedule.

Input from Listening Sessions

Los Alamos Derby Dames	Los Alamos Hockey Association
<p>The ice rink is a facility used extensively year round Users ages are 6-years old and up</p>	
<p>Weather reduces and even impedes the use of the ice rink - Loss of skating time</p>	
<p>Floor slippery when wet – fall safety concerns Injury insurance issues Players are exposed to high heat radiation</p>	<p>Ice loss during the beginning and end of season Slushy ice is a fall safety concern Snow accumulation on the ice is not easy to remove</p>
<p>Cancellation of scheduled games, bouts, and tournaments</p>	
<p>Shade/cover structure requirements</p>	
<p>Provide complete coverage of the track – 108'×75'</p>	<p>Total or partial coverage of the floor</p>
<p>Provide cover from sun and rain</p>	<p>Provide cover from sun and snow fall</p>
<p>Maintain the open-air character of the ice rink</p>	<p>Proper lighting for evening/night play</p>
<p>Good for business – Roller Derby and Hockey attract teams from around the region</p>	
<p>No other local venue available for roller Derby</p>	<p>Only NHL size outdoors rink in the Southwest Many teams around the Country want to play here</p>

Input from Listening Sessions



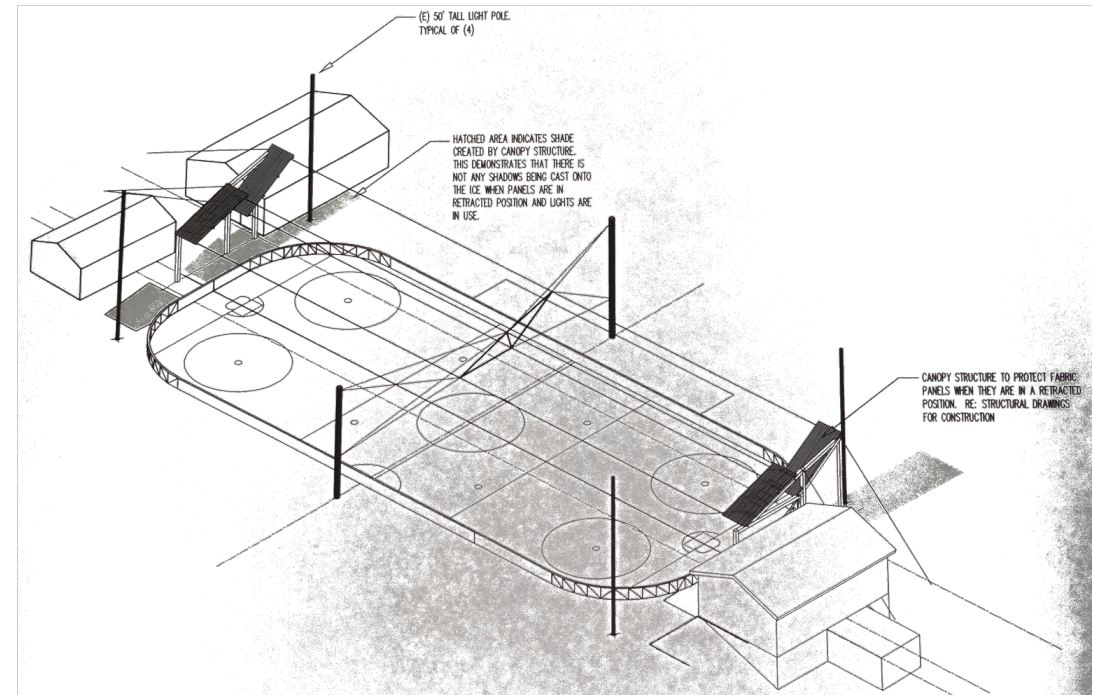
Previous Shade Structure Assessments

Three previous feasibility assessments

1. Retractable shade structure (2004)
 - Concurrent with the new floor and refrigeration plant
 - Design was completed, budget was not approved
2. Ice Rink Feasibility Study (2011-2012)
 - One of four CIP feasibility options considered at the time
 - Conceptual study: Three cover options
 - Funding estimated: \$2.7M - \$3.29M
 - Postponed due to budget prioritization
3. Ice Rink improvements + Shade Structure Alternate (2017-2019)
 - Conceptual study: Three cover options
 - Funding estimated: \$560K - \$4M
 - Not approved due to GRT revenue concerns

Retractable Shade Structure (2004)

- Cable supported shade structure with retractable shade panels
- Partial floor coverage
- Complete and custom design
- Does not support snow loads
- Shade panels do not support 50-year wind speed
- No information about possible cost



Ice Rink Feasibility Study (2011-2012)

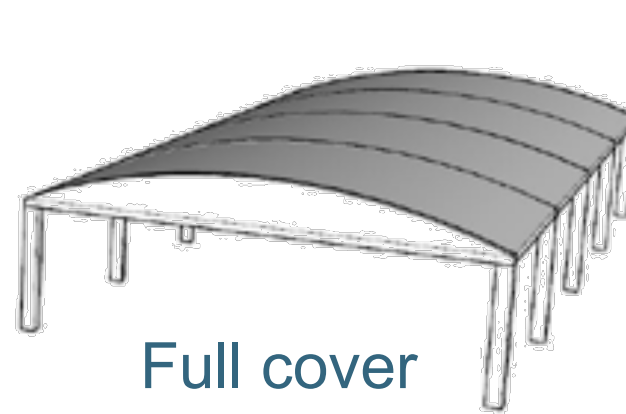
Cover option	Cost estimate
Permanent	\$ 2.7M
Retractable	\$ 3.21M
Cantilever	\$ 3.29M



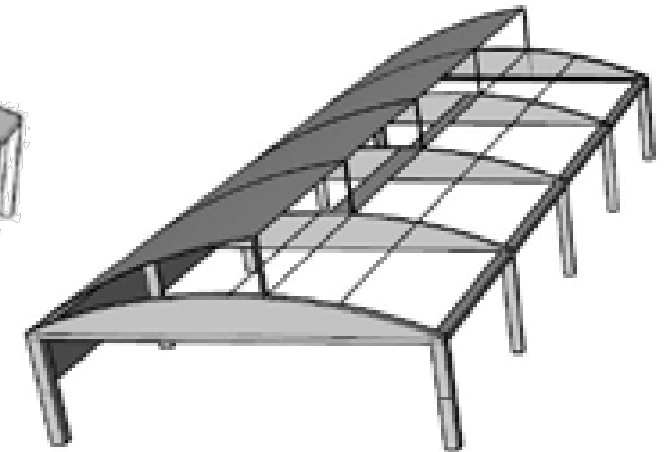
- Conceptual study
- Architectural membrane, steel cables and truss structure
- Area covered: 20,000 sq. ft
- Includes lighting, CO2 monitoring devices, sound system, exhaust fans, foundation, and spectator bleacher cover.
- Retractable option includes motor and retractable panels
- Cost estimates are in 2012 dollars.

Ice Rink Shade Study (2017-2019)

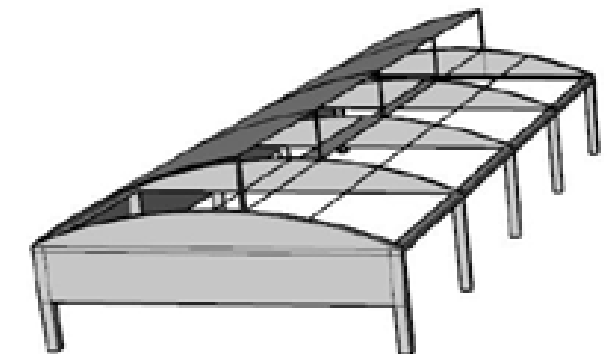
Cover option	Cost estimate
Full	Pre-fabricated: \$ 560K Custom: \$ 2.5M
Partial	Pre-fabricated: \$ 600K – 900K Custom: \$ 2.2M – 2.5M
Retractable	Custom: \$ 3M – 4M



Full cover



Partial cover A



Partial cover B

- Conceptual study
- Tensile fabric structures with lightweight, durable covers stretched over metal structure
- Area covered: 20,000 sq. ft
- Not included: lighting, site development or soft costs
- Retractable option was not conceptualized, only an opinion on probable cost was provided
- Cost estimates are in 2018 dollars

Public Outreach Process

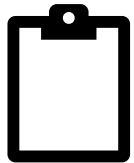
Inform and engage the community



Three public meetings



Website



Two online surveys

Public Meetings

1. First meeting
 - January 9, 2025
 - Present the scope of the conceptual phase and public outreach process
 - In-person, Parks and Recreation Board
2. Second meeting
 - March 11, 2025
 - Present shade structure and budget options
 - Collect public input on preferred shade and budget option
 - In-person, Parks and Recreation Board
3. Third meeting
 - April 8, 2025
 - Present results of public outreach and shade/budget option preferred by the community
 - In-person, presentation to County Council

Website

- Google: Conceptual Shade Structure Los Alamos
- Conceptual phase scope
- Updates
- Public meetings schedule
- Access to the survey

Announcement

Join us for the first of three public meetings on January 9, 2024, at 5:30 p.m. as part of the Parks & Recreation Board Meeting in room 110, 1000 Central Ave., Los Alamos, NM.

Project type	Conceptual phase: Determine specifications needed for a conceptual shade structure design that can be incorporated into the future Ice Rink floor replacement project.
Project value	TBD
Project schedule	Explore specifications for a potential shade structure (type, size, and budget) for the April 2025 budget hearings.
Contractor name	Wilson & Co. Engineers and Architects
Completion Date	April 24, 2025

Project Scope

Identify the needs and specifications for potential shade structure options that can be integrated into a future project to replace the aging refrigerated floor of the Los Alamos Ice Rink.

- Research and evaluate shade structure alternatives.
- Identify three shade structure concepts that meet the County's needs.
- Provide budgetary estimates for design, installation, and maintenance.
- Engage the public in three public meetings to gather community input and inform decision-making.
- Offer recommendations for design development and construction bidding.



<https://www.losalamosnm.us/County-Projects/Conceptual-Shade-Structure-for-the-Ice-Rink>

Surveys

Collect community input and inform decision making

1. First survey

- Collect input on shade structure perspectives to inform decision making
- Opens to the community on January 9, 2025
- Open for 14 days

2. Second Survey

- Collect input on preferred shade and budget option
- Opens to the community on March 11, 2025
- Open for 14 days

Public Outreach Schedule

Event	Date	Location
First public meeting	January 9, 2025	Parks & Rec. Board
First survey (14 days)	January 9, 2025	Online
Second public meeting*	March 11, 2025	Parks & Rec. Board
Second survey (14 days)	March 11, 2025	Online
Third Public Meeting*	April 8, 2025	County Council mtg.

* Dates will be confirmed through Press Releases

THANK YOU!

Feel free to contact us at:
Los Alamos County Public Works Department



(505)-662-8150



lacpw@lacnm.us