

Bouchie Lake Hall Ice Rink Improvement Project

Synopsis:

The Bouchie Lake outdoor ice rink is well used by the local community during both the winter for ice skating and hockey and during the summer for ball hockey, roller blading and, at one time, basketball.

A few years ago the rink was fitted with used puck board that was donated by an indoor rink in Quesnel. Unfortunately, this puck board had to be removed this year due to cracks in the boards from thermal expansion and UV damage. The cracks in the puck board had created sharp edges that were dangerous to the rink users.



The rink currently consists of 3/4" treated plywood sides and non-treated plywood at the radius corners (two layers of 3/8" sheets to compensate for the bending of the wood). This is the original plywood that was under the puck board, and though some sheets are damaged, it is usable for this winter season. The board caps consist of 2"x6" lumber with layered plywood used for the radius corners. Some of the 2"x6" lumber is rough and the layered plywood in the radius corners is weathered and showing signs of delamination. However, here again, the

caps and corners will suffice for this winter season.

The rink has a solid metal frame and a concrete base. There is a tractor gate and three man-gates. Two of the man-gates consist of 3/4" plywood with no frame. The gates can easily bend inwards towards the playing area of the rink. The tractor gate suffers from ice build up in the winter and does not lay flush with interior of the rink.

There are two basketball hoops installed at the rink. The hoop backboards consist of plywood on a rudimentary metal frame. The metal frame is severely bent and the backboards are crooked and too far back from the net to make it practical to play basketball.

The ice rink is a cherished feature of the Bouchie Lake community. But in order to secure its benefit to the community now and for the generations to come a significant upgrade is necessary. The following is a recommendation of the work needed.



Construction:

- Replace all damaged 4'x8' plywood sheets along the rink boards. (approx. 9 sheets if no puck board is used. If puck board is used, fewer will need to be replaced).
- Replace all damaged or rough 2"x6" lumber along the cap of the rink boards (approx. 11 pieces)
- Redo the radius corners with solid lumber. Recommend 2"x12" boards and cut in the radius corner.
- Router a rounded edge to the cap along the interior of the rink.
- Rebuild the three doors to the rink.* Two doors require framing.
- Rebuild the tractor gate.*

*** Tractor gate and all doors to the rink must remain flush with the inside boards when closed.**

- Install white 4'x8' puck board along the rink boards. - Must be installed properly with enlarged screw holes and spacing to compensate for thermal expansion. Edges between boards should be chamfered.

**** Puck Board = High Density Polyethylene (HDPE). Note: HDPE generally comes with some UV protection, but it varies from manufacturer to manufacturer. The puck board used must be suitable for long term outdoor use.**

- Install a vertical strip of red puck board along the side boards on either side of the centre line, install a vertical strip of blue puck board along the side boards at the blue lines.
- Install approx. 8" wide yellow puck board along the bottom of the boards.
- Seal gaps on cap and side board plywood (if not using puck board) with a paintable caulk.
- If no puck board is used, install either painted 8" wide plywood along the base of the boards or re-install the original yellow puck board if it is in good shape. If using plywood, a sealant can be used to seal the boards to the concrete. Note, caulk will not adhere to puck board.

- Rebuild the two basketball net backstop frames and install new backstop boards (requires welding).
- Install new basketball nets.

Concrete:

- Fill cracks in concrete.
- Install a concrete ramp to the rink at the tractor gate.

Painting:

- If no puck board is used, prime and paint the rink boards and caps with an impact resistant paint. boards = white, cap = red, blue or white
- With puck board, prime and paint the rink boards with a good quality outdoor paint before puck boards are installed. Paint the cap with an impact resistant red, blue or white paint.
- Prime and paint the exterior of the rink boards and the metal frame with a good quality outdoor paint. Does not need to be white, can be colour of choice.
- Paint the basketball hoops, poles and backstops with good quality outdoor paint.
- Paint hockey lines, basketball lines and possibly pickle ball lines on the concrete.
- Hockey red line and blue lines painted on the plywood side boards if no puck board is used.

Sponsorship:

Business logo decals can be applied to the inside of the rink on one or two 4'x8' boards and protected with plexiglass. (- same as Lewis Drive ice rink)

Lewis Drive Ice Rink Examples:

