

SKYBRIDGE MICHIGAN

THE LONGEST TIMBER-TOWERED SUSPENSION BRIDGE IN THE WORLD



CLIENT & LOCATION

Boyne Mountain Resort,
Boyne Falls, Michigan, USA

CONSTRUCTION TIME FRAME

Jul 21 - Dec 21 & Apr 22 - Sep 22

COMMISSIONED

October 2022

LENGTH OF BRIDGE

1,023 ft / 312 m suspended

1,200 ft / 366 m overall

DECK WIDTH

5 ft / 1.5 m

LENGTH OF INSTALLED GLASS

36 ft / 11 m at center of bridge

DECK HEIGHT ABOVE GROUND

117 ft / 36 m at highest point

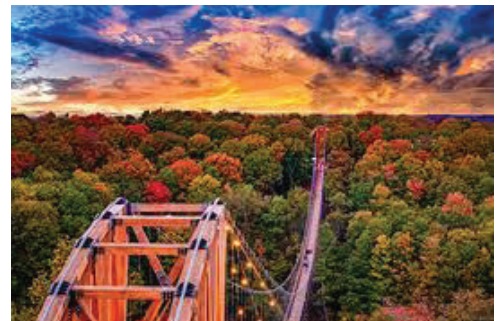
MATERIALS

Glulams, 10x10 Timbers,
Painted Steel, Galvanized Steel
Cables, Pultruded Fiberglass
Grating, Structural Glass



STORY

Dubbed “Michigan’s Second Bridge”, SkyBridge Michigan came into being following the success of the Gatlinburg SkyBridge at Boyne Mountain Resort’s sister property in Tennessee. Inspired by the logging tradition of northern Michigan, the timbers were sourced from a fourth generation family-owned logging and sawmill company located less than two miles from the resort. The two foundations each contain a massive 1.3 million pounds of concrete and 27 piles. The towers stand 52 ft/16 m tall, weigh in at 110,000+ pounds each, and have 8,000+ bolts securing the wood members. The main cables are 3 in/7.6 cm structural strand with an MBS of over one million pounds, supporting a 8,260 sq ft/767 sq m walking deck, including a 36 ft/11 m stretch of structural glass. Slated to open in October 2022, our client is excited to offer their guests a brand new adventure while enjoying expansive views of the Boyne Valley.



DESIGNER / BUILDER

Experiential Resources (ERi)

STRUCTURAL ENGINEER

Troy Garland, P.E., S.E.

PEER REVIEW ENGINEER

Pat Machin, P.E.

GEOTECHNICAL ENGINEER

Soils & Structures

SURVEYOR

Gosling Czubak

FOUNDATION INSTALLATION

National Piling Products

TIMBER SUPPLY

Matelski Lumber Company

OWNER

Boyne Mountain Resort

experientialresources.com