



WILD WAVES TIMBERHAWK STATION

A Mountain Construction Amusement Park Project

Loading & Unloading Washington's Biggest Wood Roller Coaster



Elevations required extensive ADA ramping.

Six Flags returned to Mountain Construction to design and construct the loading & unloading station for Washington's

newest and largest wooden roller coaster, *Timberhawk Ride of Prey*.

The coaster station is snugly situated among fir trees and the 2,635 foot long and 75-ft high wood roller coaster.



Riders exit beside the coaster track

Design requirements called for a rustic lumber-camp style building matched to the 15-ft track elevation. Site constraints, working around the public, and coordination with the roller coaster contractors S&S Power / Rocky Mountain Construction required planning and teamwork.

Riders enter the station either by concrete sidewalk & que area and a double flight of stairs, or extensive wood ADA ramping.



Coaster track re-entering the station.

Maintenance access is provided under the loading deck and a maintenance bay for repair of coaster cars is located at track level.



Coaster station with que area (foreground), stairs to 15-ft high loading & unloading deck, and coaster exit track (at right).

Quick Facts:

Completed Spring 2003

Use: Amusement Park Roller Coaster Station

Client: Six Flags Inc.

Location: 36201 Enchanted Pkwy; Federal Way

Contract type: Design-build, Cost+Fee w/GMP

Structural engineer: Sitts & Hill

Building height: 40 feet

Platform deck height: 15 feet.

Platform area: 2,528 sf

ADA ramp length: 200 lineal feet

Contract value: \$ 350,000

Scope of Work:

- Architecture and structural engineering
- Construction of building, ramps, stairs, concrete sidewalks and queue areas, and aluminum queue rails.

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