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The trip from downtown Seattle to the fairgrounds, a distance of 1.2 miles, takes 95 seconds aboard one of the two high-speed Monorail trains installed for the Seattle World's Fair.

At either end—on the fairgrounds and at the Westlake Mall—the plastic-roofed terminals, at track level, are served by inclined moving sidewalks known as “speed ramps.”

Fares for the Monorail are 50 cents for adults, one-way, and 75 cents, round-trip. For children the one-way fare is 35 cents and the round-trip fare is 50 cents.

From the platform, passengers enter the trains through automatically-operated leaf doors. There are four cars in each train. The trains are 120 feet long and 10 feet wide. Each train seats 125 passengers, but can take up to 450 a trip.

The track is three feet wide and five feet deep. It is made from pre-cast concrete, supported by T-shaped concrete columns. The columns are placed 85 feet apart on the straightaway and 60 feet apart on the curves. More than 15,000 tons of steel were used in the monorail system.

The line runs from Seattle's downtown directly to the fairgrounds. It has been described as a preview of the mass transit system of the future.

The cars are made of light-metal alloys and weigh about 20,000 pounds, empty. They are powered by General Electric 32-volt, 6,500-rpm electric motors, which will permit speeds over 70 miles an hour on the straight run. The cars ride on rubber tires.

Each four-car train has eight drive wheels and 32 guide wheels clutching the concrete monorail.

M-M-M-M-M



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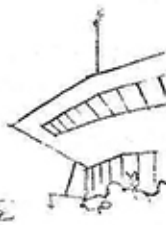
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SPACE NEEDLE

The Space Needle, flame-topped symbol of the fair, soars to the height of 606 feet. It is supported by three curved steel legs, 500 feet high. It is topped by a circular, glass-enclosed housing that contains an observation deck and a revolving restaurant.

Visitors can reach the restaurant or the observation deck on two high speed elevators which ascend on the outside of the triangular core. The admission charge to the observation deck is \$1. Lunch in the Eye of the Needle restaurant will average \$5, with a cocktail, and dinner, \$7.50, with a cocktail.

The foundation of the Needle is a Y-shaped reinforced concrete block weighing more than 5,850 tons. It is buried 30 feet in the ground. The Needles' legs are attached to it by 72 steel anchor bolts, four inches in diameter and

31½ feet long. Although there are 3,500 tons of steel in the superstructure, the base is so massive that the center of gravity for the whole unit is only slightly above ground level.

Within the central core of steel lacework are two stairways which zig-zag to the top. Each has 832 steps. The elevator shafts are walled in clear plastic.

In the center of the restaurant platform, a 66-foot-diameter service area contains a kitchen and service facilities. The seating area around it is 14 feet wide and it accommodates 260 diners. It revolves a full 360 degrees an hour.

The power to drive the turntable, which is mounted on a pair of concentric rails, is a one horsepower motor, which costs 2½ cents an hour to operate. The turning part was manufactured by the Western Gear Corporation.