



Chicago METRA System New Lenox, IL

Overview

The Chicago METRA System station located in New Lenox, Illinois was built adjacent to wetlands. Between the traffic at the station and the soil environment, the station needed lighter and more durable rail platforms.

Owner: Chicago METRA
Installation Date: December 2009

Platform Dimensions

Platform Size: 265 feet by 10 feet
Platform Area: 2650 square feet
Platform Panel Dimensions: 4 feet by 10 feet
Platform Depth: 10 inches
Platform Weight: 9psf

Platform Features

Requirements: 125 psf live load; L/500 deflection
Superstructure: Steel beams 2500 lb concentrated load
Beam Spacing: 6 feet
Deck to Beam Connection: Mechanical fasteners and clips
Skew: None
Non-Slip Overlay: Epoxy aggregate

Guard Rail: Attached to back side of panel
Color: Gray
Special Requirements:

- Crown molded into panel with 1% slope
- Warning tiles bonded to one end
- Internal steel plate for rail attachments

