

Chicago METRA System — New Lenox, IL

Fiber Reinforced Polymer (FRP) panels provide a long lasting and no-maintenance platform for this station southwest of Chicago. A light weight deck was selected to minimize the soil and substructure work since the platform was adjacent to wetlands. Installation of 67 panels was accomplished in just three days in freezing temperatures.

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| • 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 | 9 psf |
| • Requirements | 125 psf live load. L/500 deflection |
| • Superstructure | Steel beams 2500 lb concentrated load |
| • Beam Spacing | Six feet |
| • Deck to Beam Connection | Mechanical fasteners and clips |
| • Skew | None |
| • Wear Surface | Epoxy aggregate non-slip coating |
| • Guard Rail | Attached to back side of panel |
| • Special Requirements | Crown molded into panel with 1% slope.
Warning tiles bonded to one end.
Internal steel plate for rail attachment. |
| • Color | Gray |
| • Owner | Chicago METRA |
| • Installation Date | December 2009 |

