



Client

Metra

Lead Firm

Legat Architects

Subconsultant

Delta Engineering Group, LLC



Metra Crystal Lake Station

Delta Engineering Group, LLC designed a large Metra parking lot (for about 1300 cars), station platforms, station interiors and tunnel area lighting based upon fixture selection, photometric analysis, and voltage drop calculations. This included underground duct banks for main incoming service and station interior power distribution and auxiliary systems for fire alarm, voice of Metra speakers, snow and ice melting, telephone systems. DEG prepared detailed cost estimates, specifications, checklists and quality assurance/quality control checks. DEG worked on the heating ventilation and air conditioning systems of the station house and snow melting of ramps and stairs, plumbing systems for toilets and vending areas. This involved load calculation, designing and layout of HVAC system and snow melting design calculations. Scope of work also included domestic water and sanitary / vent plumbing system design and layout for toilets, janitors closet and vending area fixtures, storm sewer system layout for downspouts tunnel drainage layout and design, equipment selection, equipment schedules and cost for above work.



Delta Engineering Group, LLC
111 W. Jackson Blvd.
Chicago, IL 60604
312-377-7700

www.deg-america.com