
Lincoln Park Pedestrian Bridge



Client: NYS Thruway Authority

Project Location: Westchester County, NY

Project entailed the total replacement of an impact-damaged 200-ft pedestrian bridge that crosses six lanes of mainline traffic and four service lanes of the New York State Thruway. The existing bridge was a two-span, welded girder, pin and hanger superstructure on cast-in-place concrete abutments with adjoining bus stop area and stairwells. The new structure is a 195-ft single-span welded “Bowstring” truss with pre-cast concrete deck panels resting on pre-cast/post tensioned concrete “vault type” substructure units with new prefabricated steel stairs that have concrete treads. Project included the development of the existing R.O.W. boundaries from as-built plans, preliminary and final layout of the proposed structure, development of the design alternatives with increased vertical underclearance, design and layout of the prefabricated steel stair units, design of new overhead bridge light fixtures and wiring schematics, and layout of the pre-cast concrete deck panels for conformity with the prefabricated steel truss structure, and contract drawings.