

Our Story K-12 Education

At Eriksson Engineering Associates, Ltd. (EEA), we deal with complex civil site design, traffic, parking and landscape architecture projects. For over 28 years, we have worked with K-12 education clients throughout Illinois, and we have a deep understanding of their operations. **45% of our average sales are typically in K-12, whether they be in connection with buildings, parking or utility infrastructure, or outside athletic facilities.** And we know that the beginning of the school year and sports season can't be delayed as a result of poor planning, construction delays, or lack of follow up with governing agencies. We know from experience that we need to provide cost-effective and low-maintenance design solutions for long-term flexibility, including future building additions, as well as efficient site circulation schedules for safe, hassle-free traffic flow. When we provide creative, multi-functional site plans, we help give faculty and coaches the ability to offer additional instructional and athletic opportunities.



Select K-12 Education Clients

- Adlai E. Stevenson District 125
- Antioch School District 34
- Arlington Heights School District 25
- Bannockburn School District 106
- Barrington School District 220
- Beach Park School District 3
- Beecher Unit School District 200-U
- Bensenville School District 2
- Berwyn North School District 98
- Berwyn South School District 100
- Butler School District 53
- Calumet School District 132
- Cary Community Consolidated School District 26
- Center Cass School District 66
- Central (Burlington) School District 301
- Chicago Public Schools
- Cicero School District 99
- Community Consolidated School District 15 & 21
- Community School District 155
- Decatur Public School District 61
- Dixon Public School District 160
- East Prairie School District 73
- Elgin School District U46
- Elmhurst Community School District 205
- Flossmoor Public School District 161
- Fox Lake School District 114
- Francis Parker School
- Frankfort School District 157-C
- Glen Ellyn School District 41
- Grant High School District 124
- Grass Lake School District 36
- Grayslake Community High School District 127
- Grayslake School District 46
- Hinsdale Township High School District 86
- Illinois Mathematics & Science Academy
- Kildeer Countryside School District 96
- Lake Forest Academy
- Lake Forest School District 67
- Lake Forest Community High School District 115
- Lakes Community High School District
- Lake Zurich Community School District 95
- Libertyville School District 70
- Lincolnshire-Prairie View School District 103
- Lincolnwood School District 74
- Lisle Community School District 202
- Luther Burbank School District 111
- Millburn School District 34
- Monticello School District 25
- Morton High School District 201
- Mount Prospect School District 57
- Mundelein School District 75
- New Trier Township High School District 203
- North Boone Community Unit School District 200
- Northbrook Glenview School District 30
- North Shore School District 112
- Oak Park Elementary School District 97
- Oak Park River Forest District 200
- Orland Park School District 135
- River Grove School District 85.5
- Rockford Public School District 205
- Rochelle Community Consolidated School District 231
- Rochelle Township High School District 212
- Rockford Public School District 205
- Roselle School District 12
- Schaumburg School District 54
- Skokie School District 68
- St. Josephat School
- Sycamore Community Unit School District 427
- Township High School District 214
- Wilmette Public Schools District 39
- Winfield School District 34
- Winnetka School District 36



OUR STORY Stadiums and Athletic Facilities

High School Projects

Adlai E. Stevenson High School

Lincolnshire, IL
Running Track, Synthetic Turf Stadium/Football and Soccer Fields, Tennis Courts

Evanston Township High School

Evanston, IL
New Stadium with Synthetic Turf Football/Soccer Field, Natural Grass Practice Football and Soccer Fields

Grant High School

Fox Lake, IL
Synthetic Turf Stadium, Running Track, Tennis Courts, Football, Soccer, Baseball and Softball Fields

Grayslake Central High School

Grayslake, IL
New Synthetic Turf Stadium, Running Track, Baseball and Softball Fields

Grayslake North High School

Grayslake, IL
Synthetic Turf Football Field, Running Track

Hinsdale Township Central High School

Hinsdale, IL
Synthetic Turf Stadium, Tennis Courts, Track, and Natural Grass Soccer Field

Hinsdale Township South High School

Darien, IL
Synthetic Turf Stadium and Tennis Courts

Lake Forest High School

Lake Forest, IL
Synthetic Turf Football & Soccer Stadium, Soccer Fields, Lacrosse field, Baseball and Softball Fields, Tennis Courts

Lakes Community High School

Lake Villa, Illinois
34 Athletic Facilities: Separate Football and Soccer Stadiums, Baseball, Softball, Lacrosse, Field Hockey and Soccer Fields, Tennis Courts, and Running Track

MacArthur High School

Decatur, IL
Stadium Improvements

New Trier High School

Winnetka, IL
Synthetic Turf Soccer/Football/Lacrosse Stadium and Practice Fields

Oak Park River Forest High School

Oak Park, IL
Running Track with Synthetic Field, Synthetic Baseball Field, Synthetic Softball Field, and Tennis Courts



Paris Cooperative High School

Paris, IL
Football Stadium and Multi-sport Complex: Natural Grass Football Field, Running Track, Baseball/Softball fields, and Tennis Courts

Rich Township High School

Matteson, IL
Stadium (Track & Synthetic Turf) & Natural Grass Softball Field & Natural Grass Practice Field

Rochelle Township High School

Rochelle, IL
Athletic Site Improvements

Round Lake High School

Round Lake, IL
Track, Synthetic Stadium Field, Tennis Courts, & Natural Grass Practice Fields

Township High School District 214

Arlington Heights, IL
Synthetic Turf at Six Schools

Victor J. Andrew, Amos Alonzo Stagg & Carl Sandburg High Schools

Tinley Park, IL
Synthetic Turf Stadiums

Higher Education Projects

Black Hawk College

Moline, IL
Synthetic Turf Baseball & Softball Field Stadiums

Harper College

Palatine, IL
Baseball Fields & Tennis Courts

Moraine Valley Community College

Palos Hills, IL
Soccer Fields

University of Chicago

Chicago, IL
Synthetic Turf Soccer Field



Lakes Community High School

34 athletic facilities:

- Separate football and soccer stadiums
- Multiple baseball, softball, lacrosse, field hockey and soccer fields
- 12 tennis courts
- Running track with field events
- Sand volleyball court



Grayslake Central High School Athletic Facilities

- Synthetic Turf Stadium Complex
- Running Track
- New Bleachers, Lighting, Concessions/Washroom Building, Press Box, Storage Facility
- Baseball/Softball Fields





Rochelle Township High School: Athletic Facilities and Stadium



Evanston High School: New Stadium with Synthetic Turf Football/Soccer Field



Paris Cooperative High School Stadium & Multi-sport Complex

Paris, Illinois

Creating today's New Paris Cooperative High School was the result of collaboration between two local school districts, Paris Union School District 95 and Community Unit School District No. 4, The City of Paris, the Illinois Capital Development Board, and passionate residents. Community forums helped the design team understand the needs of the community and incorporate features like collaborative spaces, multiple science labs, and fine arts areas into the building project.

When it was time to design the athletic complex, Eriksson Engineering Associates, Ltd. (EEA) was selected to continue supporting the needs of the community by designing a football stadium and multi-sport complex with the following features:

- Natural grass football field
- Eight-lane latex running track
- Pole vault and high-jump areas
- Competition baseball and softball fields with dug outs, bullpens and bleachers
- Field event areas for discus, shot put and long jump
- Tennis courts

EEA's design of the natural grass turf field centered on maximizing the playing time of students. A drainage system was placed around the perimeter of the field along with a network of underdrain panels to keep the turf dry and playable regardless of weather conditions.

Initially, the only available property for the tennis courts contained a stockpile of high-moisture soil dredged from a nearby lake. EEA civil engineers were able to move forward with the tennis court design by devising a solution to reduce the compaction of the soil and adding an underdrain system beneath the pavement to extend the pavement longevity. The surface of the asphalt was also sawcut with joints to confine inevitable cracking away from the playing areas.



Architect

FGM Architects (Designer)
BLDD Architects (Architect of Record)

Scope of Work

Athletic Complex Design

Construction Manager

Turner Construction





Hinsdale Central High School

Athletic Facilities: Football Stadium,
Running Track, Tennis Courts, Practice
Fields, Baseball Fields



Grant Community High School Athletic Facility Improvements

Fox Lake, IL

Eriksson Engineering Associates, Ltd. (EEA) has been providing site planning, civil engineering, and traffic/transportation planning for this rural high school district in northern Lake County for almost 25 years. Multiple architects have assisted the District during this period with significant building expansions, and EEA has consistently provided services to both them and directly to the District. At the main high school campus in Fox Lake, EEA initially developed a stormwater and athletic facility master plan to complement the building expansion plans.

Specific projects were then subsequently implemented by EEA including eight new tennis courts, a new practice soccer field, drainage improvements to existing baseball, softball, and football fields, reconstruction of the running track in the stadium, new bleachers, new synthetic turf, extensive stormwater storage facilities, and multiple new parking lots and traffic circulation improvements.

EEA also led the design of an ambitious, off-campus athletic facility on a 40-acre parcel with extensive "rolling" topography containing prairies, woods, and wetlands. EEA's engineers and planners respected the parcel's existing natural features in order to develop multiple new baseball, softball, and soccer fields. The new 1.5-mile cross country trail wound through bucolic wetlands, dense woods, and included several stream and wetland crossings. An architect was retained by the District to renovate an existing storage building that was on the site previously, and to construct a new washroom/concession facility. EEA also designed all parking facilities and the appropriate sewer/water infrastructure for the campus.

Sustainable design features, including permeable concrete pavers, were incorporated into the projects to improve water quality and maximize build-able space. EEA also designed an underground detention system to conserve the limited space and maintain valuable practice field area.

Owner

Grant Community High School District 124

Architects

Multiple

Contractor

IHC Construction

Scope of Work

Civil Engineering

Traffic & Parking

Campus-wide Improvements





Hinsdale South High School: Synthetic Turf Stadium



Black Hawk College: Synthetic Baseball Field with Stadium Seating





Rolling Meadows High School: Stadium Synthetic Turf and Concessions Building

Lake Forest High School: New Synthetic Turf Stadium, New Athletic Fields





Wheeling High School: Stadium Synthetic Turf, Varsity and Underclass Softball Fields



New Trier High School
Synthetic Turf Soccer/Football/Lacrosse Stadium and Practice Fields



Round Lake High School New Stadium

Round Lake, IL

Eriksson Engineering Associates, Ltd. was retained by the District's Architect, STR Partners, to provide civil engineering and landscape architecture services associated with the total reconstruction/replacement of the school's existing stadium in far northern Lake County. The school district had struggled financially over the last twenty years, and as a result, their athletic facilities had fallen into a significant state of disrepair. The high school campus, originally constructed in 1953, is located in a low area that consisted primarily of wetlands. Extensive fill had originally been placed to construct most of the athletic facilities, and the poor drainage conditions associated with the area had never been improved. Many wetlands still surrounded the existing stadium, and both surface run-off and groundwater were consistently problems.

The new stadium included a synthetic turf field for soccer and football, a new eight-lane running track, new field events, new LED lighting, signage, scoreboards, fencing, bleachers capable of accommodating 2,250 fans, and modifications to an existing athletic storage building. The stadium complex's new main access building included Booster Club merchandise sales, ticket window, concessions, and an outdoor grilling area.

Extensive drainage improvements were completed within and immediately adjacent to the stadium, and the poor soils were stabilized prior to initiating construction. Outside of the stadium, eight new competition tennis courts were constructed, and two practice soccer fields were improved with the topsoil generated from the old stadium field. Multiple above-ground stormwater management basins were required, several wetlands identified and mitigated, and extensive permitting was necessary due to the natural environmental conditions that needed to be addressed. The project had a construction value of \$6 million dollars, and it was proudly opened for use (Panther Pride!) in the fall of 2019.



Owner

Round Lake Community Unit
School District 116

Architect

STR Partners

Construction Manager

IHC Construction

Scope of Work

Civil Engineering
Landscape Architecture

