

**Kurt O. Seidler, P.E. (Principal)**

**Education** B.E., Civil Engineering, Youngstown State University (1990)  
M.S., Civil Engineering, Youngstown State University (1998)  
42 semester hours towards Ph.D., Civil Engineering, University of Akron (4.0 GPA)

**Registration** Ohio - Professional Engineer (58937)  
Michigan – Professional Engineer (44787)  
Pennsylvania - Professional Engineer (52057)  
NCEES certification (22893)

**Training** Completed 3-day Bridge Inspection Training Program through the Ohio Department of Transportation (ODOT)  
Passed 7-day Corrosion Basics Seminar through the National Association of Corrosion Engineers (NACE)  
Passed Nuclear Gauge Safety Training course through Troxler Laboratories  
Passed Hazardous Material Training course through Troxler Laboratories for portable nuclear gauges  
Completed the Radiation Safety Officer Training course through Troxler Laboratories  
Load and Resistance Factor Design for Bridges through North Carolina Department of Transportation (NCDOT)  
Several seminars on concrete, masonry, steel, and wood design

**Affiliation** American Society of Civil Engineers, President of Youngstown Branch (1998-1999)  
American Society of Civil Engineers, Member  
American Concrete Institute, Member  
American Institute of Steel Construction, Professional Member  
APA The Engineered Wood Association, Professional Associate  
ASTM International, Participating Member  
Structural Engineering Institute, Member  
Structural Engineers Association of Ohio, Charter Member  
Order of the Engineer

**Committees** ASTM International Committee D18 – Soil and Rock, Voting Member  
ASTM International Subcommittee D18.11 - Deep Foundations, Voting Member  
ITT Technical Institute, Computer Drafting and Design Technical Advisory Committee

**Awards** 2006 Mahoning Valley Professionals 40 under 40 (recognizes individuals under the age of 40 who have exemplified leadership and dedication to the Mahoning Valley area)

**Experience** Kurt has over 17 years of experience in structural, geotechnical, and civil engineering. He has been responsible for engineering a variety of projects including bridges, buildings, embankments, subdivisions, and earth retaining structures. He has worked on a variety of projects including new constructions, expansions, renovations, and failure investigations. This includes:

- 30+ bridge design projects
- 200+ building design projects
- 50+ structural inspections
- 100+ geotechnical investigations
- 50+ site design projects

Mr. Seidler manages the Youngstown office as well as directing the SEI design team from a technical and practical standpoint. He ensures the firm's full resources are committed to completing all projects on schedule.

### ***Structural Engineering***

Kurt has an extensive background in structural engineering. He has completed several structural investigations and has designed several bridge, buildings, and structures. In addition to the array of projects he has designed, Kurt has an extensive knowledge in various structural engineering analysis and design programs such as RISA 3D, STAAD Pro, and RAM International. Furthermore, he has also used the Strand7 and NASTRAN finite element analysis programs.

### ***Structural Investigations***

Over the past 17 years, Kurt has been involved in several structural evaluations. These include structural condition surveys of existing bridges, buildings, parking decks, and offshore platforms. His extensive experience in this area uniquely qualifies Seidler Engineering to provide these services to its clients. Typical projects he has worked on include:

- Annual bridge inspection of 11 local bridges over the past 8 years (Kent, Ohio)
- Structural condition survey of Bank One parking garage (Cleveland, Ohio)
- Structural condition survey of Boardman Stadium bleachers (Boardman, Ohio)
- Structural condition survey of Howland Stadium bleachers (Howland, Ohio)
- Structural condition survey of the Ala Moana parking garage (Honolulu, Hawaii)
- Structural evaluation of the former Kent Hotel (Kent, Ohio)
- Structural repairs to waterflood platform for Shell Oil (Gulf of Mexico)

As the engineer on these projects, Kurt developed an appropriate testing program for each structure. Furthermore, he also evaluated the structural condition, projected the estimated remaining life, and made recommendations for the scope of work and estimated costs for repairs.

### ***Structural Engineering – Hotels, Residential, and Assisted Living***

Kurt is the Structural Engineer-of-Record for several buildings classified as Residential by the Ohio Building Code. Although these projects are all relatively similar, Kurt's realizes that each project has its own unique challenges. Following is a list of recent projects completed by Seidler Engineering under Kurt's guidance:

- Glenellen Lakeside Manor Assisted Living (North Lima, Ohio)
- Hampton Inn Hotel (Canfield, Ohio)
- Hospice of the Valley (North Lima, Ohio)
- Mahoning Valley Health Care Center Assisted Living (New Middletown, Ohio)

- McKinley Tower floor modifications (Niles, Ohio)
- Payiavlas Residence (Warren, Ohio)
- St. Joseph Care Center Assisted Living (Louisville, Ohio)
- Staybridge Suites Hotel (Columbus, Ohio)
- The Briar Hill Estate (Canfield, Ohio)
- Victoria House Assisted Living (Austintown, Ohio)

### ***Structural Engineering - Educational***

Kurt is the Structural Engineer-of-Record for several Ohio School Facilities Commission (OSFC) projects. OSFC school projects are designed to meet the requirements of both the Ohio Building Code and the Ohio School Design Manual. Following is a list of recent school projects completed by Seidler Engineering under Kurt's guidance:

- Austintown Middle School (Austintown, Ohio)
- Chaney High School Additions and Renovations (Youngstown, Ohio)
- East Palestine High School Additions and Renovations (East Palestine, Ohio)
- Harding Elementary School (Youngstown, Ohio)
- Hubbard Natatorium Roof Replacement (Hubbard, Ohio)
- Jackson Milton High School ADA Improvements (North Jackson, Ohio)
- Lakeside Junior High School (Ashtabula, Ohio)
- Lisbon Elementary School Additions and Renovations (Lisbon, Ohio)
- Lisbon Middle School Additions and Renovations (Lisbon, Ohio)
- Newton Falls K-2 School Additions and Renovations (Newton Falls, Ohio)
- Newton Falls 7-12 School Additions and Renovations (Newton Falls, Ohio)
- Niles Middle School (Niles, Ohio)
- North Elementary School (Youngstown, Ohio)
- Orrville Middle School (Orrville, Ohio)
- P. Ross Berry Middle School (Youngstown, Ohio)
- Paul C. Bunn Elementary School (Youngstown, Ohio)
- Taft Elementary School (Youngstown, Ohio)
- Volney Rogers Middle School (Youngstown, Ohio)
- Willard PK-8 Elementary School (Warren, Ohio)

Most of the school projects utilized either steel joists or prestressed concrete plank on load bearing reinforced masonry walls. Although most OSFC projects are similar, Kurt understands that each project has its own unique challenges.

### ***Geotechnical Engineering***

Kurt is the Geotechnical Engineer-of-Record for over 100 projects throughout northeastern Ohio and western Pennsylvania. He has extensive experience in the analysis and design of augercast piles, caissons, and steel pile foundation systems and has also completed several slope stabilization projects. He has provided geotechnical engineering services on the following projects:

- Beeghly Physician's Office Building (Boardman, Ohio)
- Co Steel Facility (North Jackson, Ohio)
- Cross Creek Condominiums Slope Stabilization project (Cuyahoga Falls, Ohio)
- Designer Showcases, (Brunswick, Ohio)

- Farmer's National Bank Office Expansion (Canfield, Ohio)
- L'Oreal Distribution Facility (Streetsboro, Ohio)
- Middlebury Road Bridge Replacement Project (Kent, Ohio)
- Niles Middle School (Niles, Ohio)
- The Heatherwood Condominiums Slope Stabilization project (Bedford, Ohio)

Kurt has developed several computer programs, including one that correlates soil borings and dutch cone tests to the vertical capacity of augercast piles. The results of many of these programs have been field tested and correlated to actual conditions on past projects.

### ***Civil Engineering***

Kurt has performed a wide array of civil engineering services such as subdivision design, storm water management and design, utility design, site design, and surveying. He has provided engineering and surveying services on the following projects:

- Allstate Insurance site design (Hubbard, Ohio)
- Cedar's Café parking lot design (Youngstown, Ohio)
- Cherry Street Improvements construction inspection (Kent, Ohio)
- Fairchild Avenue Improvements construction inspection (Kent, Ohio)
- Liberty Park boundary survey (Girard, Ohio)
- Sheri Drive Improvements construction inspection (Kent, Ohio)
- Tarkio Place subdivision design (Girard, Ohio)
- Tod Park boundary and topographic survey (Girard, Ohio)
- Victoria House Assisted Living site design (Austintown, Ohio)
- Youngstown Business Incubator parking lot improvements (Youngstown, Ohio)

### ***Teaching Experience***

Instructor, Youngstown State University, part-time basis for AutoCAD courses  
 Instructor, ITT Technical Institute, Youngstown campus, teaching on a part-time basis for AutoCAD courses (civil, mechanical, and structural), physics, and various mathematics courses.

### ***Research***

Currently researching the effect of masonry on the unbraced length for the lateral-torsional buckling of steel beams for Ph.D. dissertation.