



## HEINRICH & KLEIN ASSOCIATES, INC.

### TRAFFIC ENGINEERING & PLANNING

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### Andreas Heinrich, P.E., P.T.O.E. Principal

Andreas Heinrich is a licensed Professional Engineer in Pennsylvania (PE #031080E), New Jersey (GE30117), Delaware (6467), North Carolina (15559), Illinois (062-045023), Florida (42364), South Carolina (13373) and Maryland (18831). Mr. Heinrich is certified by the Transportation Professional Certification Board, Inc. as a Professional Traffic Operations Engineer. Mr. Heinrich has also been certified by the National Council of Examiners for Engineering and Surveying. He holds a Bachelor of Science in Civil Engineering degree from Drexel University and has attended graduate level course work at Villanova University. In addition, Mr. Heinrich has completed the 1985 Highway Capacity Manual Short Course at the Polytechnic Institute of New York. Mr. Heinrich is a member of the Institute of Transportation Engineers, the American Society of Civil Engineers, the American Society of Highway Engineers, the International Municipal Signal Association, and the American Planning Association.

Mr. Heinrich has been engaged in engineering studies involving traffic engineering, transportation planning, and environmental impact assessments since 1976. He has completed engagements for a variety of public and private clients involving determination of traffic impacts and parking requirements for new land developments, quantification of traffic related noise impacts, traffic signal design, and assessing long-range planning needs of regional highway systems. Mr. Heinrich has completed area-wide Traffic Studies on behalf of twelve municipalities and the Pennsylvania Department of Transportation and has assisted more than 25 municipalities in long range planning and review of the traffic access and parking elements of new land development proposals.

Mr. Heinrich has performed studies of parking needs, site access and traffic impacts of new land developments in eight states including office buildings/parks, industrial parks and flex developments, residential projects, shopping centers/malls, hospitals and medical institutions, schools and child day care centers, and mixed-use developments.

#### KEY PROJECTS

- The Vanguard Group Corporate Campus, a corporate headquarters comprised of 800,000 square feet of floor space and office park comprised of an additional 580,000 square feet of floor space; The Vanguard Group, Inc. Training and Conference Center comprised of 120,000 square feet of floor space; and, The Vanguard Group Technical Operations Center, a facility comprised of 363,264 square feet of floor space, Tredyffrin Township, PA, The Vanguard Group, Inc.
- Pennsylvania Act 209 Traffic Impact Fee Study, Roadway Sufficiency Analysis and Transportation Capital Improvements Program, West Norriton Township, Montgomery County, PA.
- Pennsylvania Act 209 Traffic Impact Fee Study, Roadway Sufficiency Analysis and Transportation Capital Improvements Program, Hatfield Township, Montgomery County, PA.
- Pennsylvania Act 209 Traffic Impact Fee Study, Roadway Sufficiency Analysis and Transportation Capital Improvements Program, East Brandywine Township, Chester County, PA.
- North Chester Road (S.R. 0352) & Paoli Pike (S.R. 2014), Traffic Study and Traffic Signal Design for intersection improvements, East Goshen Township, Chester County, PA.
- S.R. 0052 & S.R. 3025 (Lenape-Unionville Road/Wawaset Road), Traffic Analysis and Concept Design Review for Construction of a Single-Lane Roundabout, Pocopson Township, Chester County, PA.

- Brandywine Square Shopping Center, East Caln Township, PA, 605,000 square feet retail development, J. Loew Associates, Inc.
- Freedom Village Retirement Center, West Brandywine Township, PA, 342 independent living units plus 84 assisted care beds, The Freedom Group, Inc.
- Eagleview, Uwchlan and Upper Uwchlan Townships, PA, a mixed-use development comprised of 716 residential units, 3.5 million square feet commercial/industrial/office space, and a hotel/conference center, The Hankin Group.
- Philadelphia Park Racetrack, Bensalem Township, PA, Traffic and Parking Studies of Off-Track Betting Facilities in several suburban Philadelphia locations; and Traffic Analyses and review of vehicular access and on-site circulation for a casino addition comprised of 3,000 slot machines and associated facilities.
- Four Falls Corporate Center, Building 300, Borough of West Conshohocken, PA, 290,000 square feet of office floor space, Acorn Development Corp.
- Union Hospital, City of Elkton, Cecil County, MD, Traffic Study of downtown Elkton for construction of an In-Patient Care Facility, a new medical office building, and a multi-level parking structure.
- Merck, Sharp & Dohme, Upper Gwynedd Township, PA, 1,200,000 square feet expansion program, Access and Traffic Impact Review prepared for Upper Gwynedd Township.
- Lionville Campus, Downingtown Area School District, Uwchlan Township, PA, elementary school expansion, construction of a new middle school, and renovation of the junior high school for a second senior high school, combined enrollment 3,574 students.
- Pocono Mountain High School and Sullivan Trail Junior High School, Pocono Mountain School District, Tobyhanna Township, Monroe County, PA, high school and junior high school construction for total enrollment of 3,250 students, and design of a new traffic control signal for site access.
- 401 Plymouth Road Office Building, Plymouth Township, PA 210,000 square feet of office floor space, The Flynn Company.
- The Shoppes At English Village, Horsham Township, PA, renovation for 104,486 square feet of retail floor space, Stanbery Development.
- Fox Briar Farms and Peddler's Village, Solebury Township, PA, 129,300 square feet expansion for retail shops, 63 dwelling units, and a 100 room country inn, Peddler's Village Lahaska, Inc.
- Harrogate Residential Development, New Garden Township, PA, 158 dwelling units, Wilkinson Builders.
- Shawnee Valley Planned Residential Development, Smithfield Township, Monroe County, PA, 1,572 dwelling units, C&M Shawnee Land Holdings, L.P.
- A Technical Review of a proposed Shared Parking Ordinance for Voorhees Township, Camden County, NJ.
- Ballantyne Mixed Use Community, Charlotte, NC, Traffic and Noise impacts for an Environmental Assessment of the East-West Connector Road, a 4-lane divided highway, serving an 1800 acre development, The Harris Group.
- Phillips Place, Charlotte, NC, a 36 acre mixed use community comprised of 402 dwelling units, a hotel, and 130,000 square feet of commercial floor space, D.L. Phillips Company and The Harris Group.
- Carolina Pavilions, Charlotte, NC, comprised of 800,000 square feet of retail floor space, Thomas Enterprises, Inc. and The Harris Group.