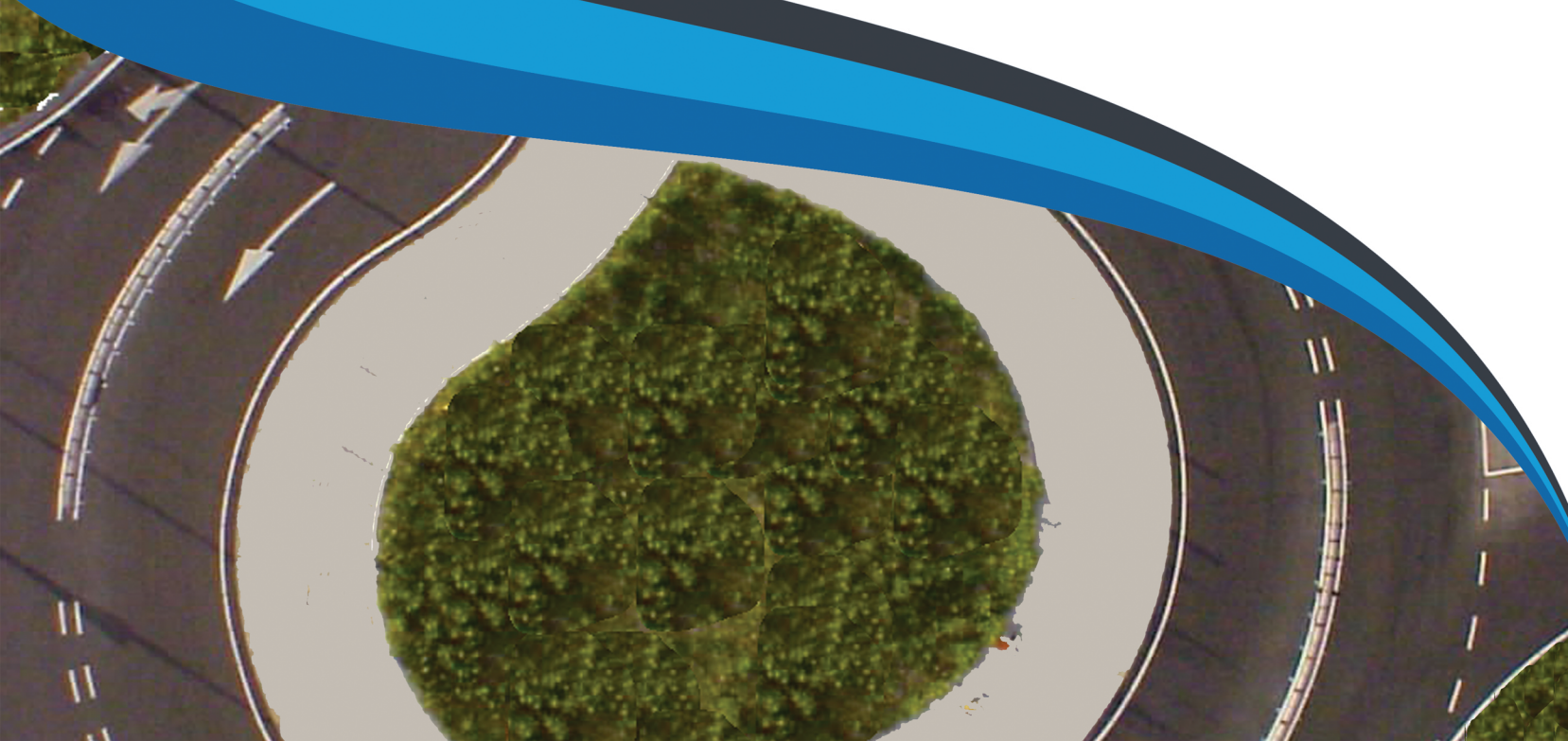




TMS ENGINEERS, INC.
Statement of Qualifications



COMPANY HISTORY

TMS Engineers, Inc. is a specialized transportation and traffic engineering consulting firm representing clients that include governmental agencies, civil engineering firms, planning consulting firms, attorneys, private development interests, and architectural firms. Our experience with public and private clients allows us to meet the needs of our clients by providing functional, cost-effective solutions to the unique problems of a project.

Transportation Management Services was established in 2005, with headquarters located in suburban areas of Akron and Cleveland, Ohio. In 2006, the company was incorporated under the laws of the State of Ohio and became TMS Engineers, Inc. Michael W. Schweickart, president of the firm, has over 50 years combined experience in traffic engineering, transportation planning and design, and roadway design. He also has specialized in traffic signal design, timing, optimization, systems analysis, and construction management.

TMS Engineers, Inc. can provide specialized technical services unlike any other firm. We maintain a close association with qualified architectural and engineering consultants to provide aid and additional expertise as projects require.

TMS Engineers is pre-qualified by the Ohio Department of Transportation to provide Safety Studies, Interchange Justification and Modification Studies, Traffic Signal Design and Traffic Signal System Design services.

DESCRIPTION OF SERVICE FACILITIES

TMS Engineers' staff is trained in the requirements of their professional activities. The staff is fully trained in all the requirements outlined in the Manual of Uniform Traffic Control Devices for Streets and Highways, the Ohio Department of Transportation's State Highway Access Management Manual, and in the American Association of State Highway and Transportation Official's (AASHTO) Design Guidelines.

TMS Engineers, Inc. is committed to improving its technical ability and efficiency using state-of-the-art computer hardware and software, and documentation of analysis and design procedures.

CONSULTING SERVICES

TRAFFIC ENGINEERING

- Traffic Impact Studies
- Traffic Engineering Assistance for Local Agencies
- Conceptual Highway and Intersection Analysis and Design
- Striping and Signing Plans
- Traffic Control Device Inventories
- Traffic Counting
- Pedestrian and Bikeway Facility Design
- Traffic Accident and Safety Studies
- Traffic Calming Studies & Designs
- Interchange Justification and Modification Studies
- Maintenance of Traffic Plans

TRAFFIC SIGNAL DESIGN, OPTIMIZATION and MANAGEMENT

- Traffic Signal Design Plans
- Traffic Signal System Design
- Traffic Signal Modifications
- Traffic Signal Emergency Vehicle Preemption Systems
- Traffic Signal Railroad Preemption Systems
- Traffic Signal Bus Priority Systems
- Interconnect Systems
- Traffic Signal Construction Management
- Systems Analysis (ODOT 824)
- Simulation, Optimization and Signal Timing Studies
- Traffic Signal System Monitoring and Management

TRANSPORTATION PLANNING

- Traffic Modeling
- Site Access and Circulation Studies
- Corridor & Area Planning Studies

CERTIFICATES



Bureau of Workers' Compensation

30 W. Spring St.
Columbus, OH 43215

Certificate of Ohio Workers' Compensation

This certifies that the employer listed below participates in the Ohio State Insurance Fund as required by law. Therefore, the employer is entitled to the rights and benefits of the fund for the period specified. This certificate is only valid if premiums and assessments, including installments, are paid by the applicable due date. To verify coverage, visit www.bwc.ohio.gov, or call 1-800-644-6292.

This certificate must be conspicuously posted.

Policy number and employer
01465330

Period Specified Below
07/01/2023 to 07/01/2024

TMS ENGINEERS INC
2112 CASE PKWY UNIT NUMBER-7
TWINSBURG OH 44087-4301



www.bwc.ohio.gov
Issued by: BWC

Administrator/CEO

You can reproduce this certificate as needed.

Ohio Bureau of Workers' Compensation

Required Posting

Section 4123.54 of the Ohio Revised Code requires notice of rebuttable presumption. Rebuttable presumption means an employee may dispute or prove untrue the presumption (or belief) that alcohol, marihuana or a controlled substance not prescribed by the employee's physician is the proximate cause (main reason) of the work-related injury.

The burden of proof is on the employee to prove the presence of alcohol, marihuana or a controlled substance was not the proximate cause of the work-related injury. An employee who tests positive or refuses to submit to chemical testing may be disqualified for compensation and benefits under the Workers' Compensation Act.



Bureau of Workers' Compensation

You must post this language with the Certificate of Ohio Workers' Compensation.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/24/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER DesignPro Insurance Group 5991 Chandler Court, Suite A Westerville OH 43082	CONTACT NAME: Tracey Heise	
	PHONE (A/C No. Ext): (614) 426-9043 FAX (A/C, No): (614) 794-4961	
	E-MAIL ADDRESS: tracey.designproins@wichert.com	
INSURED TMS Engineers, Inc. 2112 Case Parkway South #7 Twinsburg OH 44087	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Twin City Fire Insurance Company	29459
	INSURER B: Travelers Cas & Surety of Amer	31194
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

CERTIFICATE NUMBER: CL2382457323

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			33SBAAA9841	8/24/2023	8/24/2024	EACH OCCURRENCE	\$ 2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 2,000,000
							GENERAL AGGREGATE	\$ 4,000,000
							PRODUCTS - COMP/OP AGG	\$ 4,000,000
								\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			33SBAAA9841	8/24/2023	8/24/2024	COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			33SBAAA9841	8/24/2023	8/24/2024	EACH OCCURRENCE	\$ 2,000,000
							AGGREGATE	\$ 2,000,000
								\$
A	WORKERS COMPENSATION EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	33SBAAA9841 (Ohio Stop Gap)	8/24/2023	8/24/2024	PER STATUTE <input checked="" type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
B	Professional Liability			107895745	8/24/2023	8/24/2024	Each Claim	\$1,000,000
							Aggregate	\$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

For Proposal Purposes Only

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Brad Bush, CPCU/TRAC

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RESUMES

MICHAEL W. SCHWEICKART, P.E., PTOE
PRESIDENT



PROFESSIONAL CREDENTIALS

Institute of Transportation Engineers
PTOE, 1999

Registered Professional Engineer

OH Reg. No. E-56982
PA Reg. No. PE076066
KY Reg. No. PE28768
IN Reg. No. PE11300424
MI Reg. No. 6201063581
WV Reg. No. 023490

ODOT Traffic Academy

Traffic Signal Design
Traffic Signal System Design
Railroad Preempted Traffic Signal
Safety Studies
Interchange Justification Studies

EDUCATION

University of Akron
B.S. Civil Engineering, 1986

POSTGRADUATE

Northwestern University

Traffic Engineering Seminar
Geometric Design Seminar
Highway Capacity Seminar

New York Polytechnic University
I.T.E.

Signal Timing Fundamentals
NCHRP Report 500 Seminar
Ohio Transportation
Engineering Conference
Government Road Liabilities (RTAP)
Traffic Engineering (RTAP)
Traffic Signal (RTAP)

Ohio State University

Federal Highway Administration

Rural ITS Toolbox (NHI)

PROFESSIONAL EXPERIENCE:

TMS Engineers, Inc.	President	2005-Present
Traff-Pro Consultants, Inc.	V.P. of Engineering	1996-2005
Traff-Pro Consultants, Inc.	Senior Engineer	1991-1996
Path Master, Inc.	Traffic Engineer	1978-1991

ANDREW PIERSON, P.E.
TRAFFIC ENGINEER



PROFESSIONAL CREDENTIALS:

Registered Professional Engineer
Ohio Reg. No. E-66690

Institute of Transportation Engineers
PTOE, 2006

AFFILIATION

Institute of Transportation Engineers
Lake Erie Chapter

Treasurer	2008
VP	2009-2010
President	2011

EDUCATION

University of Alaska
B.S. Civil Engineering, 1996

PROFESSIONAL EXPERIENCE:

TMS Engineers, Inc.	Traffic Engineer	2013-Preent
GPD Group	Traffic Engineer	2009-2013
URS Corporation.	Traffic Engineer	2002-2009
Parsons Brinkerhoff	Traffic Engineer	2000-2002
DLZ Consultants	Traffic Engineer	1998-2000

ANDREW B. COMER, P.E.
TRAFFIC ENGINEER



PROFESSIONAL CREDENTIALS:

Registered Professional Engineer
Ohio Reg. No. E-70215

AFFILIATION

Institute of Transportation Engineers

EDUCATION

University of Toledo
B.S. Civil Engineering, 1999

POSTGRADUATE

Northwestern University
Highway Capacity Workshop, 2013

PROFESSIONAL EXPERIENCE

TMS Engineers, Inc.

NOACA

Traff-Pro Consulting, Inc.

Traffic Engineer 2006-Present

Traffic Engineer 2004-2006

Traffic Engineer 1998-2004

GERALD A. TOTH, JR.
TRANSPORTATION DESIGN SPECIALIST



AFFILIATES

Institute of Transportation Engineers

EDUCATION

Lakeland Community College
Advanced AutoCAD, 1992

Electronic Technical Institute
A.S. Electronic Technology, 1986

POSTGRADUATE

I.T.E
Reducing Collisions Involving Horizontal Curves Seminar
Signal Timing Fundamentals Seminar

Ohio State University
Ohio Transportation Engineers Conference

Path Master, Inc
Theory, Operation, and Implementation of
Video Detection, LED's, and UPS Seminar

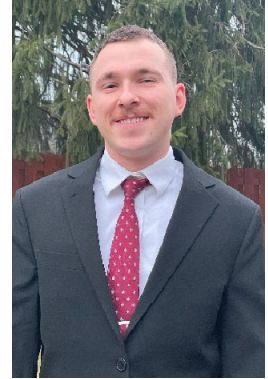
Workshops
Understanding Client Needs
National Traffic Signal Report Card

PROFESSIONAL EXPERIENCE

TMS Engineers, Inc.,	Transportation Design Specialist	2007-Present
HNTB, Inc.	Traffic Signal Designer	2005-2006
Traff-Pro Consultants, Inc.	Traffic Signal Designer	1997-2005
Traff-Pro Consultants, Inc.	AutoCAD Technician	1991-1997
Mid-American Engineering	Electronics Technician	1989-1991

KYLE COVILLE

TRAFFIC ENGINEER



AFFILIATION

Institute of Transportation Engineers	2024- Present
American Society of Highway Engineers	2020-2023
American Society of Civil Engineers	2014-2020

EDUCATION

The Ohio University
B.S. Civil Engineering, 2020

PROFESSIONAL EXPERIENCE:

TMS Engineers, Inc.	Traffic Engineer	2023-Present
MS Consultants, Inc.	Roadway Engineer	2020-2023
Ohio Department of Transportation	Traffic Engineer	2019-2020
Russ College of Engineering	ITS Researcher	2018-2019

PROJECTS

TRAFFIC IMPACT STUDIES

PROJECT

Traffic Impact Study
Proposed Raising Cain's Restaurant
Strongsville, Ohio

CONTACT

Mr. Jeffrey Plautz, P.E.
Neff & Associates, Inc.
6405 York Road
Parma Heights, Ohio 44130



DESCRIPTION

This traffic impact study has been prepared at the request of Neff & Associates, Inc. for a proposed fast-food restaurant with drive-thru development. The project site is in the City of Strongsville, Cuyahoga County, Ohio along the west side of Pearl Road (USR 42) north of Pierce Drive. The development is expected to consist of the following land uses: Fast Food Restaurant w/ Drive Thru - 3,300 square feet. The development is proposed with one access driveway along the west side of Pearl Road (USR 42) and one driveway on the north side of Pierce Drive.

PROJECT

Proposed Hebrew Academy of Cleveland
Cleveland Heights, Ohio

CONTACT

Ronald Kluchin Architects, Inc.
23215 Commerce Park, Suite 316
Beachwood, Ohio 44122



DESCRIPTION

TMS Engineers, Inc. was retained by the Hebrew Academy of Cleveland to prepare a Traffic Impact Study for a proposed private school development along the west side of Warrensville Center Road at the site of the former Oakwood Country Club in the City of Cleveland Heights, Cuyahoga County, Ohio. The proposed private school development is expected to consist of pre-kindergarten through grade 12. The campus is expected to serve approximately 600 total students. Based upon the results of the analyses in the TIS, it was shown that the recommended improvements to the surrounding area roadway network and the proposed traffic control at the new school access locations can accommodate the site generated traffic from the proposed school without significantly impacting the area roadway network.

PROJECT

Proposed Swenson's Restaurant
University Heights, Ohio

CONTACT

Mr. Robert Cash
CARDNO
9800 Southern Pine Boulevard, Suite 1
Charlotte, NC 28273

**DESCRIPTION:**

This traffic impact study was prepared at the request of CARDNO for a proposed Swenson's Drive-In restaurant. The project site is in the City of University Heights, Cuyahoga County, Ohio along the south side of Cedar Road between South Green Road to the west and Fenway Drive to the east. The proposed restaurant is expected to consist of a 1,716 square foot building and the surrounding parking lot to serve patrons. The restaurant does not have a drive-through window or indoor seating. Patrons are served at their vehicle. Based upon the results of the analyses in the TIS, it was shown that the site generated traffic from the proposed development could be accommodated without adversely impacting the adjacent area roadway network.

PROJECT

Proposed Urban Community School
Campus Master Plan

CONTACT

Mr. John Hagerty
Urban Community School
4909 Lorain Avenue
Cleveland, Ohio 44102

**DESCRIPTION**

TMS Engineers was hired at the request of the Urban Community School (UCS), to analyze the proposed campus master plan. The campus master plan includes the existing Urban Community School (UCS), a school/community health care center and an early childhood center. The campus is in the City of Cleveland, Cuyahoga County, Ohio. The campus site is located along the south side of Lorain Avenue (State Route 10) between West 50TH Street to the west and West 47TH Street to the east. The Urban Community School (UCS) is a private school that serves students in kindergarten through 8TH grade. The school has an approximate enrollment of 600 students. The early childhood center will occupy a 17,300 square foot building that is currently under construction with an expected opening in the summer of 2021.

PROJECT

Traffic Impact Study
Proposed Hillsdale High School Expansion
Jeromesville, Ohio

CONTACT

Mr. Steve Dickerson
Hillsdale Local School District
485 Township Road
Jeromesville, Ohio 44840



DESCRIPTION

The project site is in Jeromesville, Ashland County, Ohio. The site is located along the south side of Township Road 1902 (TR 1902) to the south of US Route 30 (US 30) and between County Road 2175 (CR 2175) to the east and County Road 30A (CR 30A) to the west. The development site is currently occupied by the existing Hillsdale High School. The new PK-12 school is being designed for an enrollment of 900 students plus 100 staff. The school enrollment can be broken down by the following major group levels:

- Elementary School: 350 Students
- Middle School: 270 Students
- High School: 280 Students

PROJECT

Site Impact Study
Proposed Sheetz
Willoughby, Ohio

CONTACT

Mr. Michael E. Archer, P.E.
BL Companies
355 Research Parkway
Meriden, CT 06450



DESCRIPTION

The development is proposed with two access driveways along the east side of State Route 306. The site includes the existing full access driveway that served the Days Inn hotel. This driveway is proposed to continue to allow all ingress and egress movements. The site is also proposed with a restricted access driveway to the north of the existing driveway. The restricted access driveway (RIRO) will be limited to only right turns into the site and right turns out of the site.

TRAFFIC STUDIES

PROJECT

Safety Study
Crocker Road & Monroe Trail/Hummingbird Way
Westlake, Ohio

CONTACT

Mr. Robert P. Kelly, P.E.
City of Westlake
27700 Hilliard Boulevard
Westlake, Ohio 44145



DESCRIPTION

This traffic engineering study (TES) has been prepared at the request of the City of Westlake for the intersection of Crocker Road and Monroe Trail/Hummingbird Way. The study area roadways are in the City of Westlake, Cuyahoga County, Ohio. The intersection is located between Interstate 90 to the north and Interstate 480 to the south. A properly designed intersection can improve the safety and efficiency of flow through an intersection. Inadequate capacity and/or improper traffic control and design can be the source of danger and annoyance to all who use the intersection including pedestrians, bicyclists, and motorists. It can also increase air pollution and cause driver frustration.

PROJECT

Clifton Boulevard Road Diet / Multi-Purpose Lane
Lakewood, Ohio

CONTACT

Mr. Bryce Sylvester, AICP
City of Lakewood
12650 Detroit Avenue
Lakewood, Ohio 44107



DESCRIPTION

TMS Engineers, Inc. performed data collection and traffic analysis for a proposed road diet and creation of a multi-purpose lane along Clifton Boulevard in the City of Lakewood, Ohio. The project area is located between Lake Road to the west and West Clifton Road to the east.

PROJECT

Traffic Operations Study
Aldi's
Brunswick, Ohio



CONTACT

Mr. Dale Haywood, P.E.
Atwell, LLC
7100 E. Pleasant Valley Road
Independence, Ohio 44131

DESCRIPTION

This Traffic Operational Study has been prepared at the request of Atwell, LLC for a review of the traffic signal sequence at Center Road (SR 303) and W. 130th Street to determine the necessity of an eastbound left turn signal phase included in the existing signal sequence. Also, the study was prepared to assess the adequacy of the existing northbound right turn lane storage length on W. 130th street at the Aldi's access drive. The Aldi's site is located on the east side of W. 130th Street north of Center Road in the City of Brunswick, Ohio.

PROJECT

Purpose & Need Study
Wilson Mills Road
Highland Heights, Ohio



CONTACT

Mr. Brian Mader, P.E.
Stephen Hovancek & Associates, Inc.
Two Merit Drive
Richmond Heights, Ohio 44143

DESCRIPTION

TMS Engineers was hired at the request of Stephen Hovancek & Associates, Inc. to evaluate potential upgrades to the City's traffic signal and pedestrian crossing along Wilson Mills Road. This study will look at the existing conditions and make various recommendations that will improve the overall efficiency of the signals along Wilson Mills Road. The City of Highland Heights currently has six (6) signalized intersection along Wilson Mills Road which have a variety of traffic signal equipment with some of the equipment being over 40 years old. The lack of modern traffic equipment such as signal backplates and battery back-up systems for the signals as well as proper pedestrian curb ramps is an operational and safety concern for the City.

PROJECT

Areawide Planning Study
Cooper Foster Park Road & North Lake Street
SR 2 & Oak Point Road
Amherst, Ohio

CONTACT

Mayor Mark Costilow
206 South Main Street
Amherst, Ohio 44001



DESCRIPTION

This Area-Wide Planning Study has been prepared at the request of the City of Amherst. The study area is primarily located in the City of Amherst, Lorain County, Ohio. A portion of the City of Lorain will also be included in the study area. The study area will consist of the following intersections:

1. Oak Point Road & Buck Horn Boulevard
2. Oak Point Road/North Lake Street & Cooper Foster Park Road
3. North Lake Street & State Route 2 Westbound Ramps
4. North Lake Street & State Route 2 Eastbound Ramps
5. Cooper Foster Park Road & Hollstein Drive
6. North Main Street & Cooper Foster Park Road

The analysis of the study area included proposed and under construction developments that are located within the study area. The following developments were considered in forecast of future traffic volumes for the study area:

1. Medical Office Building (17,756 SF) - 2021
2. Reserve at Beaver Creek Subdivision (109 Units) - 2021
3. Eagle Ridge Subdivision (59 Units) - 2021
4. Preserve at Quarry Lakes Subdivision (100 Units) - 2020
5. Buckeye Square/Nova Medical Offices (11,325 SF)
6. Sandy Springs PUD (161 Units)



TRAFFIC ENGINEERING SERVICES

PROJECT

Traffic Count Program
NOACA

CONTACT

Mr. Dave Kuebler
NOACA
1299 Superior Road
Cleveland, Ohio 44114



DESCRIPTION

This project involved the collection of 24-hour traffic data at over a thousand locations from 2012 – 2015 throughout Lorain, Medina, Cuyahoga, Lake and Geauga Counties. The collection of the classification and speed traffic data was collected using Jamar Apollyon traffic counters in some very difficult weather and geometric conditions.

PROJECT

Re-Timing Analysis
Mayfield Road
Mayfield Heights

CONTACT

Mr. Joseph Fornaro
City of Mayfield Heights
6154 Mayfield Road
Mayfield Heights, Ohio 44124



DESCRIPTION

This signal re-timing project was initiated by the City of Mayfield Heights and included the re-timing of 17 signalized intersections on Mayfield Road (US 322) between Iroquois Avenue and Gates Mill Towers. The objectives of the study were to calculate and implement up-to-date clearance timings at the intersections along with optimizing the timings and offsets of each study intersection to reduce congestion and increase travel speeds along the corridor.

PROJECT

Corridor Feasibility Study
Alexander Road
Village of Oakwood, Ohio

CONTACT

Mr. Edward Hren, P.E.
Chagrin Valley Engineering, Ltd.
22999 Forbes Rd.; Ste. B
Cleveland, Ohio 44146



DESCRIPTION

This Corridor Feasibility Study has been prepared at the request of Chagrin Valley Engineering, Ltd. for Alexander Road. The study area is in the Village of Oakwood, Cuyahoga County, Ohio. The study area starts at Medusa Road and continues to Macedonia Road. The Alexander Road intersections at Medusa Road, Oak Leaf Road, Fair Oaks Road, and Macedonia Road will be included in the analysis. The analysis of the corridor will also include the proposed development of land located at the southeast quadrant of Alexander Road and Interstate 480/271 (IR 480/271).

PROJECT

Corridor Analysis
CUY-77-82-2.82-11.59
Broadview Heights, Ohio

CONTACT

Mr. Dave Palmer, P.E.
Path Master, Inc.
1960 Midway Drive
Twinsburg, Ohio 44087



DESCRIPTION

This speed and delay study were prepared for the signalization project on SR 82 in Broadview Heights, Ohio. The signalization project involved the construction of 3 additional traffic signals at the I-77 ramp intersections and the interconnection of all 6 signals within the corridor. The optimization of the traffic signal timings and offsets resulted in a 7% reduction in travel time along the corridor even with three additional signals on the corridor. The reduction in delay was determined to equate to a savings of 19,710 gallons of gasoline per year.

PROJECT

Signal Warrant Analysis
Center Ridge Road & Race Road
North Ridgeville, Ohio

CONTACT

Mr. Daniel A. Rodriguez, P.E.
City of North Ridgeville
7307 Avon Belden Road
North Ridgeville, Ohio 44039



DESCRIPTION

Center Ridge Road (US 20) is a two-lane roadway (one lane in each direction) with a posted speed limit of 40 miles per hour (mph). There is an exclusive left-turn lane to the east of the intersection and a shared left-turn lane to the west of the intersection. It has an east to west orientation and is classified as an urban principal arterial according to the Ohio Department of Transportation. It has an average daily traffic of approximately 13,000 vehicles per day based on the recent traffic count at the Race Road intersection.

PROJECT

Intersection Operational Study
Pike Street & Rayon Drive
Parkersburg, West Virginia

CONTACT

J. Romer
2211 Pike, LLC
21300 Lorain Road
Cleveland, Ohio 44126



DESCRIPTION

The development site is located on the east side of Pike Street (SR 14) north of Rayon Drive in the City of Parkersburg, Wood County, West Virginia. The development is expected to be the size and have the characteristics of the following nationally recognized land use: 2,537 Square Foot Pharmacy/Drugstore with Drive Through Window. The development is proposed with one full access driveway that permit all ingress and egress movements to the site on Pike Street and another access that permits all ingress and egress movements on Rayon Drive.

TRAFFIC SIGNAL DESIGN, OPTIMIZATION and MANAGEMENT

PROJECT

City Wide Signal Upgrade Traffic Signal Design
Strongsville, Ohio

CONTACT

Ken Mikula, P.E.
City Engineer
16099 Foltz Parkway
Strongsville, OH 44149

**DESCRIPTION**

This project consists of the modernization and coordination of traffic signals at 57 locations along the corridors of Pearl Road (U.S. 42), Royalton Road (S.R. 82), Prospect Road (C.R. 237), Howe Road, and other various locations throughout the City. The project included upgrading signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, controllers, detectors, and emergency vehicle detection. The project included traffic responsive computer system with fiber optic communication cable. This project coordinated the timing of traffic signals in five sub areas to provide efficient traffic flow, reduce congestion and add improvement in air quality for the region.

PROJECT

City Wide Traffic Signal Upgrade
Westlake, Ohio

CONTACT

Mr. Robert P. Kelly, P.E.
City of Westlake
27700 Hilliard Boulevard
Westlake, Ohio 44145

**DESCRIPTION**

The project consists of the modernization and coordination of traffic signals at 41 locations along the corridors of Center Ridge Road, Columbia Road, Detroit Road Clague Road, Center Ridge Road, Hilliard Blvd., and other various locations. The project included upgrading signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, controllers, detectors, and emergency vehicle detection. The project included traffic responsive computer system with fiber optic communication cable.

PROJECT

City Wide Traffic Signal Project
Brunswick, Ohio

CONTACT

Mr. Matt Jones, P.E.
Chagrin Valley Engineering, Ltd.
22999 Forbes Road, Suite B
Cleveland, Ohio 44146

**DESCRIPTION**

The project consists of the modernization and coordination of traffic signals at 25 locations along the corridors of Center Road (SR 303), Pearl Road (US 42) and other various locations. The project included upgrading signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, controllers, detectors, and emergency vehicle detection. The project included traffic responsive computer system with fiber optic communication cable.

PROJECT

City Wide Traffic Signal Upgrade Project – Phase 1
Dover, Ohio

CONTACT

Mr. Dave Douglas
City of Dover
110 East Third Street
Dover, Ohio 44622

**DESCRIPTION**

The project consists of the modernization and coordination of traffic signals at 14 locations along the corridors of Wooster Ave., Iron Ave., and other various locations. The project included upgrading signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, controllers, detectors, and emergency vehicle detection. The project included traffic responsive computer system with fiber optic communication cable.

PROJECT

Traffic Signal Design
Avon Chester Road Improvements
Avon, Ohio

CONTACT

Mr. Mike Farmer
Service Director
Chagrin Valley Engineering, Ltd.
22999 Forbes Road, Suite B
Cleveland, Ohio 44146



DESCRIPTION

The project consists of the re-design of the Chester Road and SR 83 East Intersection and the Chester Road and Wal-Mart Drive intersection traffic signals. The project included upgrading signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, controllers, detectors, and emergency vehicle detection. The project also included fiber optic communication cable through the project area for the use of a traffic responsive computer system in the future.

PROJECT

City Wide Traffic Signal Project
Aurora, Ohio

CONTACT

Mr. Justin Czekaj, P.E.
City of Aurora
158 West Pioneer Trail
Aurora, Ohio 44202



DESCRIPTION

This project consists of the modernization and coordination of traffic signals at 15 locations along the corridors of Aurora Road (S.R. 43), Garfield Road (S.R. 82), Chillicothe Road (S.R.306), and other various locations throughout the City. The project included upgrading signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, controllers, detectors, and emergency vehicle detection. The project included traffic responsive computer system with fiber optic communication cable. This project coordinated the timing of traffic signals in sub areas to provide efficient traffic flow, reduce congestion and add improvement in air quality for the region.

PROJECT

Traffic Signal Upgrade Design
Cedar Road & Landerbrook Road
Mayfield / Pepper Pike, Ohio

CONTACT

Mr. Jason A. Friedman
JA Friedman Capital
3401 Enterprise Pkwy. Ste. 205
Beachwood, Ohio 44122



DESCRIPTION

The project consists of the modernization and coordination of traffic signals at Cedar Road & Landerbrook Road along the Mayfield / Pepper Pike border. The project included upgrading signal hardware including vehicular signal head, mast arm signal support, pedestrian signal, controller, detector, and emergency vehicle detection. The project included traffic responsive computer system with fiber optic communication cable.

PROJECT

Traffic Signal Design
Fishcreek Medical Office Building
Stow, Ohio

CONTACT

Mr. Ed Friedl, P.E.
Summa Health
525 East Market Street
Akron, Ohio 44304



DESCRIPTION

This project consists of the re-design of the traffic signal at Fishcreek Road & Aldi's to accommodate the new Fishcreek Medical Office Building. The project included upgrading signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, controllers, detectors, and emergency vehicle detection.

TRANSPORTATION ASSESSMENT STUDIES

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	LOCATION OF WORK	DATE of WORK
19-072	First Interstate Properties, Ltd.	Proposed Change in Access	June 13, 2019
19-083	JW Congregation Support, Inc.	Proposed Kingdom Hall	May 20, 2019
19-085	Richard E. Jacobs Group	Proposed Area 9 on Chester Road	July 2, 2019
19-088	Riverside Trail, LLC	Proposed Sub-Division	May 28, 2019
19-094	Valore Builders, Inc.	Proposed Hillsong Development & Brew Kettle Brewery	June 14, 2019
19-110	Redwood Apartment Neighborhoods	Proposed Apartments	September 9, 2019
19-121	Rubber City Arches, LLC	Proposed Tim Horton's	October 28, 2019
19-125	Neff & Associates, Inc.	Proposed Bendix Brake	October 25, 2019
19-127	Harsax Management	Proposed Residential Development	October 19, 2019
19-128	GBC Design, Inc.	Proposed Courtyards at New Seasons	September 3, 2019
19-147	OMNI Properties Commons	Proposed Memory Care & Assisted Living	October 21, 2019
19-167	K. Hovanian Companies	Proposed Buckeye Ridge Sub-Division	January 21, 2020
20-020	Hillside Local School District	Proposed K-12 School	March 5, 2020
20-026	Woods at Eaton, LLC	Proposed Woods at Eaton	March 27, 2020
20-028	Campbell Construction, Inc.	Proposed Napa 487 Winery & Spa	February 20, 2020
20-037	EDM Management	Proposed Briarfield Place	April 28, 2020
20-042	Geis Companies	Proposed GEMCO Medical	April 2, 2020
20-045	Chadan Engineering, Inc.	Proposed Bayer Heritage Credit Union	May 23, 2020
20-049	Hawthorn of Aurora, LLC	Proposed Development	May 13, 2020
20-058	Conrad's Tire Service	Proposed Car Wash	July 1, 2020
20-063	Geis Companies	Proposed Distribution Warehouse	July 17, 2020
20-064	LS Architects	Proposed Dunkin Donuts	July 10, 2020
20-067	BL Companies, Inc.	Proposed Sheetz	August 14, 2020
20-068	Atwell, LLC	Proposed Indian Hollow Sub-division	July 30, 2020
20-081	CSL Consulting, LLC	Proposed Trentstone Gleanns	August 20, 2020
20-087	R.A. Smith, Inc.	Proposed Warehouse	August 26, 2020
20-093	Rose Company	5827 Wooster Pike Development	October 23, 2020
20-097	Heritage Development	Iris Place Development	November 23, 2020
20-102	Osborne Capital Group	Proposed Starbuck's	October 26, 2020

TRANSPORTATION ASSESSMENT STUDIES

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	LOCATION OF WORK	DATE of WORK
20-103	Bramhall Engineering & Surveying	Cypress Avenue Extension	December 30, 2020
20-113	Beck Suppliers, Inc.	Proposed Beck's Oil Site	December 9, 2020
20-114	Geis Companies	Proposed Beck Road Industrial Park	December 31, 2020
20-124	Hunter International, Inc.	Proposed Chester Road Development	January 5, 2021
20-125	ARCO National Construction	Proposed 300K BTS	January 8, 2021
20-127	Sgt. Clean Car Wash	Proposed Car Wash	December 28, 2020
20-132	Ray Fogg Building Methods, Inc.	Proposed Seasons Business Park West	January 18, 2021
21-012	Zaremba Group	Proposed Dollar General	February 4, 2021
21-027	North Dewey Road Extension	Proposed Senior Gated Community	April 13, 2021
21-033	Cannata Companies	Proposed Silverpoint Center	May 11, 2021
21-034	RW Corvin & Company	Proposed Office Building	April 16, 2021
21-041	Poggemeyer Design Group, Inc.	Proposed Site Development Project	May 12, 2021
21-046	Poggemeyer Design Group, Inc.	Proposed Quarry Lakes Business Park	May 19, 2021
21-050	Conrad's Tire Service	Proposed Heisley Road Car Wash	My 17, 2021
21-055	EMH&T	Proposed Dayton Freight Service Center	June 14, 2021
21-063	KS Associates	Proposed Restaurant Development	June 14, 2021
21-067	Steubenville City Schools	Proposed Dock Street Closure	July 27, 2021
21-073	Chadan Engineering, Inc.	Proposed Experience Church Project	August 27, 2021
21-082	Sidhu Realty Capital	Proposed Fast Food Restaurant	August 12, 2021
21-085	NHN Properties, LLC	Proposed Chiptole Restaurant	August 11, 2021
21-087	AHP Development, LLC	Proposed Medical Office Building	August 20, 2021
21-090	Pulte Group	Revised Briarwood Access	September 3, 2021
21-095	Scannell Properties	Proposed Fed Ex Ground Project	September 10, 2021
21-097	Conrad's Tire Service	Proposed Fishcreek Road Car Wash	August 20, 2021
21-104	Conrad's Tire Service	Proposed Applegrove Car Wash	September 1, 2021
21-109	Conrad's Tire Service	Proposed Frank Avenue Car Wash	September 7, 2021
21-111	Southeast Local School District	Proposed K-12 School	October 27, 2021
21-114	Frontier Realty	Proposed Planned Retirement Development	September 15, 2021

TRANSPORTATION ASSESSMENT STUDIES

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	LOCATION OF WORK	DATE of WORK
21-120	Ralph Victor Construction Co.	Proposed Ivy Ridge Project	October 13, 2021
21-125	Shaker FV Holdings	Proposed Chipotle Restaurant	November 29, 2021
21-131	Englefield Oil	Proposed Plaza Gas Station	November 2, 2021
21-142	Pilot Travel Centers, LLC	Proposed Pilot Development	November 16, 2021
21-143	Addison Properties	Proposed Concord Village Expansion	November 15, 2021
21-144	Conrad's Tire Service	Proposed Car Wash	November 17, 2021
21-148	BL Companies, Inc.	Proposed Sortation Facility	December 6, 2021
21-153	George A. Fielder & Associates, Inc.	Proposed Subdivision	December 23, 2021
21-156	Hoty Builders, LLC	Proposed US 250 Campground	February 4, 2022
21-159	Ray Fogg Building Methods, Inc.	Proposed S. Edgerton Extension	February 11, 2022
21-162	OCR Copley Land, LLC	Proposed Residential Development	January 5, 2022
22-014	BL Companies	Proposed Dollar Store	March 29, 2022
22-015	DesignGroup	Proposed Medical Expansion	March 2, 2022
22-016	JM Civil Engineering	Proposed Car Wash	February 9, 2022
22-020	FPRH, LLC	Proposed Slyman's Tavern Site	March 18, 2022
22-023	Scannell Properties	Summit Commerce & Old Mill Road	February 24, 2022
22-024	ARCO Design & Build	Proposed Building	March 7, 2022
22-025	Geis Companies	Proposed Spec Building	March 10, 2022
22-029	Poggemeyer Design Group, Inc.	Proposed DHL Development Project	May 12, 2022
22-033	Sgt. Clean Car Wash	Proposed Car Wash	April 21, 2022
22-035	Bon Secours Mercy Health	St. Joseph Warren Hospital	April 27, 2022
22-036	Fanning Howey	Proposed Rolling Hills K-12 School	August 5, 2022
22-037	Atwell, LLC	Proposed Riverfield Reserve	March 30, 2022
22-038	Frammartino Construction Co.	Proposed Commercial Building	March 24, 2022
22-039	WXZ, Inc.	Proposed Multi-Site	March 29, 2022
22-041	Sgt. Clean Car Wash	Proposed Car Wash	April 13, 2022
22-046	Poggemeyer Design Group	Proposed McKenzie & Rosterfer Site	May 2, 2022
22-047	Astoria Healthcare Properties	Proposed Red Oak Campus	May 4, 2022
22-048	Sgt. Clean Car Wash	Proposed Car Wash	April 27, 2022

TRANSPORTATION ASSESSMENT STUDIES

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	LOCATION OF WORK	DATE of WORK
22-059	TallyCM	Proposed Car Wash	May 24, 2022
22-061	Green Circle Growers	Proposed South Access Drive	May 17, 2022
22-074	Shops on Center Ridge, LLC	Proposed Scooter Coffee	June 20, 2022
22-078	960 Broadway, LLC	Proposed W.110 th St Connections	September 16, 2022
22-089	Poggemeyer Design Group, Inc.	Proposed Woodbridge Business Park	September 22, 2022
22-107	Sgt. Clean Car Wash	Proposed Car Wash	August 5, 2022
22-115	Premier Development Partners	Propose K-Mart Re-development	September 28, 2022
22-117	Brecksville-Broadview Hts	Proposed Middle & High School	October 4, 2022
22-121	LSA Architects, Inc.	Proposed UCI Stokes West Project	December 2, 2022
22-124	Canfield Local School District	Proposed Project #21055	November 4, 2022
22-131	Avon Brewing Company	Proposed Brewery	November 4, 2022
22-132	FX Net Lease Holdings, LLC	Proposed Multi-Tenant Building	October 7, 2022
22-137	Towne Center Apartments	Proposed Apartment Complex	October 31, 2022
22-138	Thomas English Real Estate	Proposed Detroit Road Site	December 7, 2022
22-139	Sgt. Clean Car Wash	Proposed Car Wash	November 4, 2022
22-143	Metis Design Services, LLC	Proposed Dunkin Donuts	November 23, 2022
22-144	Capital Growth Buchalter, Inc.	Proposed Dollar Store	November 21, 2022
22-145	Crystal Properties Group	Proposed Starbuck's	November 30, 2022
22-146	Cannata Companies	Proposed Greens of Aurora	December 2, 2022
22-148	Kleinfelder, Inc.	Proposed BlueScope Recycling Site	December 21, 2022
22-151	Excel Engineering, Inc. Proposed	Proposed Panda Express & Starbuck's	December 6, 2022
22-152	Two Foundation	Proposed Mixed-Use Development	December 7, 2022
22-157	Neff & Associates, Inc.	Proposed Serpentine Collision Center	December 9, 2022
22-158	JM Civil Engineering	Proposed Take 5	January 13, 2023
22-161	Capital Growth Buchalter, Inc.	Proposed Dollar General	January 3, 2023
23-011	Aristotle Design Group	Proposed Good Nature Therapy Services	February 3, 2023
23-013	Discount Drug Mart, Inc.	Proposed Nagel Road Development	May 9, 2023
23-014	Deville Development	Proposed Restaurant	March 6, 2023
23-015	Sabatine BK Development, LLC	Proposed Retail Development	March 20, 2023

TRANSPORTATION ASSESSMENT STUDIES

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	LOCATION OF WORK	DATE of WORK
23-017	Danop, Ltd.	Proposed Dunkin Donut & Mickey Mart	March 6, 2023
23-020	Ray Fogg Building Methods, Inc.	Proposed Commerce Center 1	April 17, 2023
23-023	Discount Drug Mart, Inc.	Proposed West Valley Plaza	March 30, 2023
23-024	Geis Construction	Proposed Chevrolet Boulevard Development	April 18, 2023
23-032	Alt Architecture	Proposed Primrose School @ Copley Fairlawn	April 25, 2023
23-036	Conrad's Tire Service	Proposed Applegrove's Tire Store	April 3, 2023
23-039	ThenDesign Architecture	Proposed Pre-K-12 School	May 12, 2023
23-043	Pearl Partners, LLC	Proposed Aldi's	May 1, 2023
23-050	Excel Engineering	Proposed Quick Service Restaurant	May 15, 2023
23-058	Scannell Properties	First Solar	December 11, 2023
23-071	Industrial VI Enterprises, LLC	Proposed Abbe Rd Warehouse Site	July 5, 2023
23-073	Willoughby Petroleum, LLC	Proposed Gas Station	August 28, 2023
23-076	Discount Drug Mart	Proposed DDM Storage	October 10, 2023
23-077	SLW Development	Proposed Dunkin Donuts	September 1, 2023
23-078	Avison Young	Proposed Fairview Project	September 18, 2023
23-079	Salon Patrick	Proposed Development	July 13, 2023
23-084	Cardinal Realty, LLC	Proposed Starbuck's	August 18, 2023
23-087	ICR Management	Proposed Honda Dealership	November 30, 2023
23-092	AODK Architecture	Proposed Mixed Use Development	September 6, 2023
23-095	Silverpeak Engineering	North Eastern Ohio Classics	September 11, 2023
23-097	OMNI Senior Living	Proposed Orange Place Development	September 22, 2023
23-101	HRM Enterprises, Inc.	Proposed Hartville Hardware	October 23, 2023
23-104	RJAZ Properties, LLC	Proposed Young Trucking Facility	November 13, 2023
23-107	AETOS Construction Company	Proposed GetGo & WetGo	December 11, 2023
23-127	Jackson Taylor Contractors	Proposed Commercial Development	December 1, 2023
23-128	ThenDesign Architecture	Proposed Hilltop Elementary School	December 4, 2023
23-133	Harsax Management Company	Proposed Residential Development	January 3, 2024
23-135	Artman Engineering	Proposed Chipotle	January 15, 2024
23-136	Richard E. Jacobs Group	Proposed Recreational Development	December 26, 2023

TRANSPORTATION ASSESSMENT STUDIES

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	LOCATION OF WORK	DATE of WORK
23-137	CJ Donley Corporation	Proposed Aldi's	January 4, 2024
23-138	Silby Mart	Proposed Gas Station/Convenience Mart	January 4, 2024
23-147	GreenHart Companies, LLC	Proposed Car Wash	December 12, 2023
23-153	Discount Drug Mart	Proposed Drug Mart	January 16, 2024

SIGNAL DESIGN PROJECTS – 2014 to Present

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	COST OF PROJECT	DATE COMPLETED
14-018	City of Dover	\$183,669.00	October 2 nd , 2015
14-020	Dallis Dawson & Associates	\$7,660.00	January 13 th , 2015
14-029	Bramhall Engineering & Surveying	\$9,500.00	April 3 rd , 2015
14-045	City of Ravenna	\$49,540.00	July 31 st , 2015
14-047	Poggemeyer Design Group	\$5,340.00	June 26 th , 2014
14-049	Stephen Hovanscek & Associates	\$19,000.00	July 2 nd , 2014
14-068	Humility of Mary Health Partners	\$21,000.00	January 8 th , 2015
14-083	TDA Architecture	\$9,840.00	January 13 th , 2015
14-090	TDA Architecture	\$6,700.00	July 1 st , 2014
14-101	City of Avon	\$7,500.00	August 1 st , 2014
14-131	Summit County Engineers	\$5,850.00	March 20 th , 2015
14-138	Cleveland Clinic	\$8,340.00	January 16 th , 2015
14-139	Bramhall Engineering & Surveying	\$7,500.00	March 2 nd , 2015
14-148	K.E. McCartney & Associates	\$27,197.00	January 6 th , 2016
14-152	City of Avon	\$14,670.00	\$14,670.00
14-155	City of Avon	\$10,230.00	February 26 th , 2015
14-156	City of Strongsville	\$418,602.00	May 6 th , 2019
14-160	Scannell Properties	\$8,340.00	April 1 st , 2015
14-162	Kokosing Construction Company	\$8,340.00	February 23 rd , 2015
15-039	8 and 80 Holdings, LLC	\$8,340.00	May 27 th , 2015
15-048	Westlake Reed Leskosky	\$12,510.00	June 4 th , 2015
15-049	W.E. Quicksall & Associates	\$15,510.00	April 23 rd , 2015
15-060	Richard Jacobs Group	\$9,410.00	July 24 th , 2015
15-066	Boulder One, LLC	\$6,500.00	June 1 st , 2015
15-070	Sitetech, Inc.	\$9,410.00	August 4 th , 2015
15-074	City of Avon	\$7,660.00	August 20 th , 2015
15-082	Wellert Corporation	\$6,500.00	July 17 th , 2015
15-094	W.W. Quicksall & Associates	\$11,450.00	September 18 th , 2015
15-101	Chagrin Valley Engineering	\$10,430.00	November 11 th , 2015

SIGNAL DESIGN PROJECTS – 2014 to Present

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	COST OF PROJECT	DATE COMPLETED
15-102	Chagrin Valley Engineering	\$16,540.00	October 2 nd , 2015
15-103	GATSO USA, Inc.	\$6,900.00	September 3 rd , 2015
15-105	City of Green	\$8,580.00	November 11 th , 2015
15-116	City of Green	Hourly	October 2 nd , 2015
15-120	Neff & Associates, Inc.	\$19,350.00	December 2, 2015
15-141	Tusing Builders, Inc.	\$6,500.00	February 3 rd , 2016
15-145	Village of Burbank	\$9,100.00	December 21, 2015
16-031	Hatch Mott McDonald	\$11,286.00	September 6, 2016
16-056	Mayfield Village	\$7,370.00	May 25, 2016
16-062	Chagrin Valley Engineering	\$10,550.00	August 25, 2016
16-063	Chagrin Valley Engineering	\$7,660.00	August 25, 2016
16-067	City of Green	Hourly	June 16, 2016
16-068	BFA, Inc.	\$10,180.00	May 10, 2016
16-070	Mayfield Village	\$12,490.00	May 25, 2016
16-083	BSHM Architects	\$5,660.00	June 29, 2016
16-085	Chagrin Valley Engineering	\$10,320.00	November 17, 2016
16-093	Signal Service Company	Hourly	May 23, 2016
16-117	Cleveland Clinic	\$4,900.00	August 3, 2016
16-119	Deville Development	\$9,390.00	September 22, 2016
16-135	Franciscan University of Steubenville	\$16,210.00	October 6, 2016
16-141	City of Amherst	\$9,430.00	August 11 th , 2017
16-153	Neff & Associates	\$7,390.00	December 13, 2016
16-157	City of Lakewood	\$11,200.00	December 2, 2016
16-163	Bramhall Engineering & Surveying	\$4,260.00	February 7, 2017
16-165	Larsen Architects	\$5,660.00	January 10, 2017
17-017	City of Avon	\$9,430.00	February 18, 2017
17-025	LSB Seven Hills, LLC	\$20,730.00	December 31, 2019
17-028	Tusing Builders	\$16,210.00	April 25, 2017
17-029	City of Avon	\$16,220.00	July 3, 2017

SIGNAL DESIGN PROJECTS – 2014 to Present

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	COST OF PROJECT	DATE COMPLETED
17-035	Mayfield Village	\$4,900.00	April 4, 2017
17-036	Mackaey Engineering & Surveying	\$4,260.00	March 23, 2017
17-038	City of Dover	\$13,400.00	May 25, 2017
17-053	City of Dover	\$184,200.00	April 12, 2021
17-062	City of New Philadelphia	\$48,000.00	July 10, 2018
17-065	Mackaey Engineering & Surveying	\$13,800.00	January 29, 2018
17-069	ARCO National Construction	\$13,570.00	July 13, 2017
17-079	City of Avon	\$4,600.00	October 13, 2017
17-087	K.E. McCartney & Associates, Inc.	\$4,260.00	March 1, 2018
17-088	City of Avon	\$14,660.00	October 3, 2017
17-111	City of Strongsville	\$121,100.00	May 2, 2018
17-136	Chagrin Valley Engineering, Ltd.	\$13,810.00	December 31, 2019
17-148	R.A. Smith National, Inc.	\$16,210.00	March 23, 2018
18-015	NiSource	\$36,680.00	December 20, 2018
18-022	MG Civil Design, LLC	\$4,200.00	February 5, 2018
18-026	Glenn's Landing, LLC	\$16,830.00	June 4, 2019
18-028	Strollo Architects	\$20,730.00	March 18, 2019
18-030	NiSource	\$16,800.00	December 20, 2018
18-035	R.E. Warner & Associates, Inc.	\$19,200.00	December 31, 2019
18-043	Pulte Group	\$20,730.00	June 4, 2018
18-063	City of Avon	\$4,865.00	June 23, 2018
18-068	Coles Land Development Company	\$10,150.00	December 31, 2019
18-080	Tusing Builders, Inc.	\$16,210.00	August 30, 2018
18-089	Chagrin Valley Engineering, Ltd.	\$26,100.00	February 28, 2020
18-094	City of Aurora	\$543,000.00	July 2, 2020
18-106	Marotta Glazer Realty, LLC	\$14,700.00	December 8, 2018
18-128	GBC Design, Inc.	\$14,700.00	June 4, 2019
19-014	The Thrasher Group	\$14,700.00	October 14, 2019
19-017	Deville Development	\$15,740.00	September 4, 2019

SIGNAL DESIGN PROJECTS – 2014 to Present

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	COST OF PROJECT	DATE COMPLETED
19-020	City of Avon	\$10,930.00	April 26, 2019
19-028	City of Avon	\$11,400.00	June 4, 2019
19-031	Bramhall Engineering & Surveying	\$11,110.00	June 4, 2019
19-042	Elm Aurora, Ltd.	\$15,740.00	April 15, 2019
19-045	City of Avon	\$10,480.00	March 28, 2019
19-066	City of Avon	\$11,400.00	June 27, 2019
19-087	Chagrin Valley Engineering, Ltd.	\$22,250.00	October 8, 2019
19-119	JA Friedman Capital	\$14,700.00	January 11, 2020
19-120	Bramhall Engineering & Surveying	\$5,000.00	January 8, 2020
19-126	Zumpano Design & Construction	\$6,410.00	January 29, 2020
19-153	Summa Health System	\$6,410.00	June 1, 2020
19-154	Bramhall Engineering & Surveying	\$7,800.00	May 4, 2020
20-053	Environmental Design Group	\$11,570.00	February 23, 2021
20-055	Stephen Hovancsek & Associates	\$7,380.00	August 6, 2020
20-061	Adaptive Engineering Group, Ltd.	\$17,430.00	December 27, 2021
20-065	EDM Management, Inc.	\$7,380.00	October 9, 2020
20-082	Ace High Management, LLC	\$9,040.00	October 20, 2020
20-084	BL Companies, Inc.	\$11,960.00	September 2, 2020
20-088	Legacy Pointe, Ltd.	\$8,460.00	September 24, 2020
20-099	JJJ Properties, LLC	\$17,380.00	June 22, 2021
21-019	Bramhall Engineering & Surveying	\$17,380.00	May 5, 2021
21-032	Atwell, LLC	\$9,040.00	April 9, 2021
21-038	Langan	\$17,380.00	February 28, 2022
21-040	Thrasher Group, Inc.	\$15,760.00	September 10, 2021
21-044	City of Hudson	\$273,884.55	March 29, 2022
21-075	City of Ravenna	\$11,710.00	October 29, 2021
21-092	Sensys Gatso Group	\$8,640.00	March 2, 2022
21-102	City of Amherst	\$8,640.00	December 14, 2021
22-056	City of Hudson	\$26,348.50	June 13, 2022

SIGNAL DESIGN PROJECTS – 2014 to Present

UNDER RESPONSIBLE CHARGE AND SUPERVISION
OF MICHAEL W. SCHWEICKART, P.E., PTOE

JOB #	CLIENT	COST OF PROJECT	DATE COMPLETED
22-062	City of Green	\$13,300.00	February 24, 2023
22-075	Bramhall Engineering & Surveying	\$14,150.00	March 6, 2023
22-085	City of Aurora	\$13,840.00	September 1, 2022
22-096	Senys Gatso USA, Inc.	\$19,200.00	October 24, 2022
22-108	Senys Gatso USA, Inc.	\$17,800.00	October 6, 2022
22-116	City of Brecksville	\$23,910.00	December 2, 2022
22-153	City of Brecksville	\$7,650.00	March 6, 2023
22-154	City of Brecksville	\$6,020.00	January 5, 2023
22-166	Chagrin Valley Engineering, Ltd.	\$14,667.00	May 3, 2023
23-010	City of Middleburg Heights	\$45,800.00	May 1, 2023
23-045	Jenoptik	\$17,650.00	May 3, 2023
23-047	Excel Engineering	\$24,000.00	May 9, 2023
23-059	City of Westlake	\$11,700.00	June 5, 2023
23-063	Senys Gatso Group	\$24,000.00	June 7, 2023