



Date: 02/10/2021
Subject: Highway Occupancy Permit Application No. 232373, Cycle No.1 - Permit Issued
To: David Shawn Koberg
20 north wawaset rd
west chester, pa 19382
From: PennDOT Engineering District 6-0
7000 Geerdes Boulevard
King of Prussia, PA 19406

Dear Applicant,

Your application for a Highway Occupancy Permit has been approved and a permit issued by the Department. When you leave this window, you may click on Attachments to download and/or print the permit. Please note, a copy of the permit and relevant work plans shall be made available at the work site for inspection by any police officer or representative of the Department.

If you have any questions regarding this matter, you may contact Anthony Antonelli, District Permit Manager, at (610) 205-6790.



Highway Occupancy Permit

Permit No.: **06105346**

Name and Address of Permittee: David Shawn Koberg 20 north wawaset rd west chester, pa 19382	County: Chester	Issue Date: 2/10/2021
	County Contact No.: (484) 340-3220	Expiration Date: 2/10/2022
	Issuing District Office: 6-0	Application No.: 232373
	District Contact No.: (610) 205-6790	Account No.:
	Municipalities: Pocopson Township	Permit Fee: \$ 25.00

Immediately upon completion of the work Permittee shall notify the permit office where application was made. Subject to all the conditions, agreements, restrictions, and regulations prescribed by the Pennsylvania Department of Transportation, (see in particular 67 Pa. Code, Chapter 212, 441 and 459 and State Highway Law, 36 P.S. Section 670 - 411, 420 and 421) and subject to the plans, special conditions, or restrictions herein set forth or attached hereto. This permit shall be located at the work site and shall be available for inspection by any police officer or Department representative.

Location and Description of Work		Permit No.: 06105346
1 of 1	State Route #: 3025 Segment(s): From 0086 To 0086 Offset(s): From 1434 To 1434	511: Install Minimum Use Driveway

Permit Conditions		Permit No.: 06105346
1 of 13	NOTIFY THE TRAFFIC MANAGEMENT CENTER AT 610-205-6934 PRIOR TO SETTING UP ANY LANE CLOSURES OR RESTRICTIONS, AND WHEN THE CLOSURE/RESTRICTION IS REMOVED.	
2 of 13	CONTACT COUNTY PERMIT INSPECTOR AT LEAST 3 WORK DAYS PRIOR TO START OF WORK AT 484-340-3220.	
3 of 13	THIS PERMIT AUTHORIZES WORK ONLY IN DEPARTMENT HIGHWAY RIGHT OF WAY.	
4 of 13	2A COARSE AGGREGATE BACKFILL MATERIAL IS REQUIRED UNDER 67 PA CODE, SECTION 459.8 (g)(2) AND SECTION 703.2 OF PUBLICATION 408.	
5 of 13	IT IS THE PERMITTEE'S RESPONSIBILITY TO KEEP VEGETATION TRIMMED IN ORDER TO MAINTAIN MINIMUM SIGHT DISTANCE. NO OBJECTS MAY BE PLACED WITHIN THE LINE OF SIGHT.	
6 of 13	DEPARTMENT MUST BE NOTIFIED IN WRITING UPON COMPLETION OF WORK.	
7 of 13	ALL DISTURBED AREAS OUTSIDE THE PAVEMENT OR SHOULDER SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED BEFORE THE START OF WORK.	
8 of 13	NO LANES MAY BE RESTRICTED BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM OR BETWEEN THE HOURS OF 3:00 PM TO 6:00 PM.	
9 of 13	PERMITTEE IS RESPONSIBLE FOR ENSURING THAT MUD, SILT AND OTHER DEBRIS IS REMOVED FROM VEHICLES AND TIRES (BY POWER WASH, ETC.) BEFORE ENTERING ONTO THE HIGHWAY.	

PATA 107 (Old PATA 10a) - Notes

1. Each flagger shall be clearly visible to traffic for a minimum distance of E and shall be in constant communication with all other flaggers.
2. For operations of 15 minutes or less:
 - a. The Road Work (W20-1), One Lane Road (W20-4), and Flagger Symbol (W20-7) signs are not required.
 - b. All channelizing devices may be eliminated if a shadow vehicle is present.
3. The buffer space shall be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.
4. When a shadow vehicle is not used, distance E is measured from end of taper to beginning of work space.

Signs



W20-1



W20-4



W20-7

Sign Spacing Chart

Condition	Distance			
	A	B	C	F
	Feet	Feet	Feet	Feet
Urban 35 MPH or less	100	100	100	100
Urban Greater than 35 MPH	350	350	350	350
Rural	500	500	500	500

When multiple distance plaques are used on advance warning signs, they shall all be of the same series type.
Example: either all "AHEAD" or XXX FEET.

Taper Length Formulas

S	L
40 MPH or less	$L = \frac{WS^2}{60}$
45 MPH or more	$L = WS$

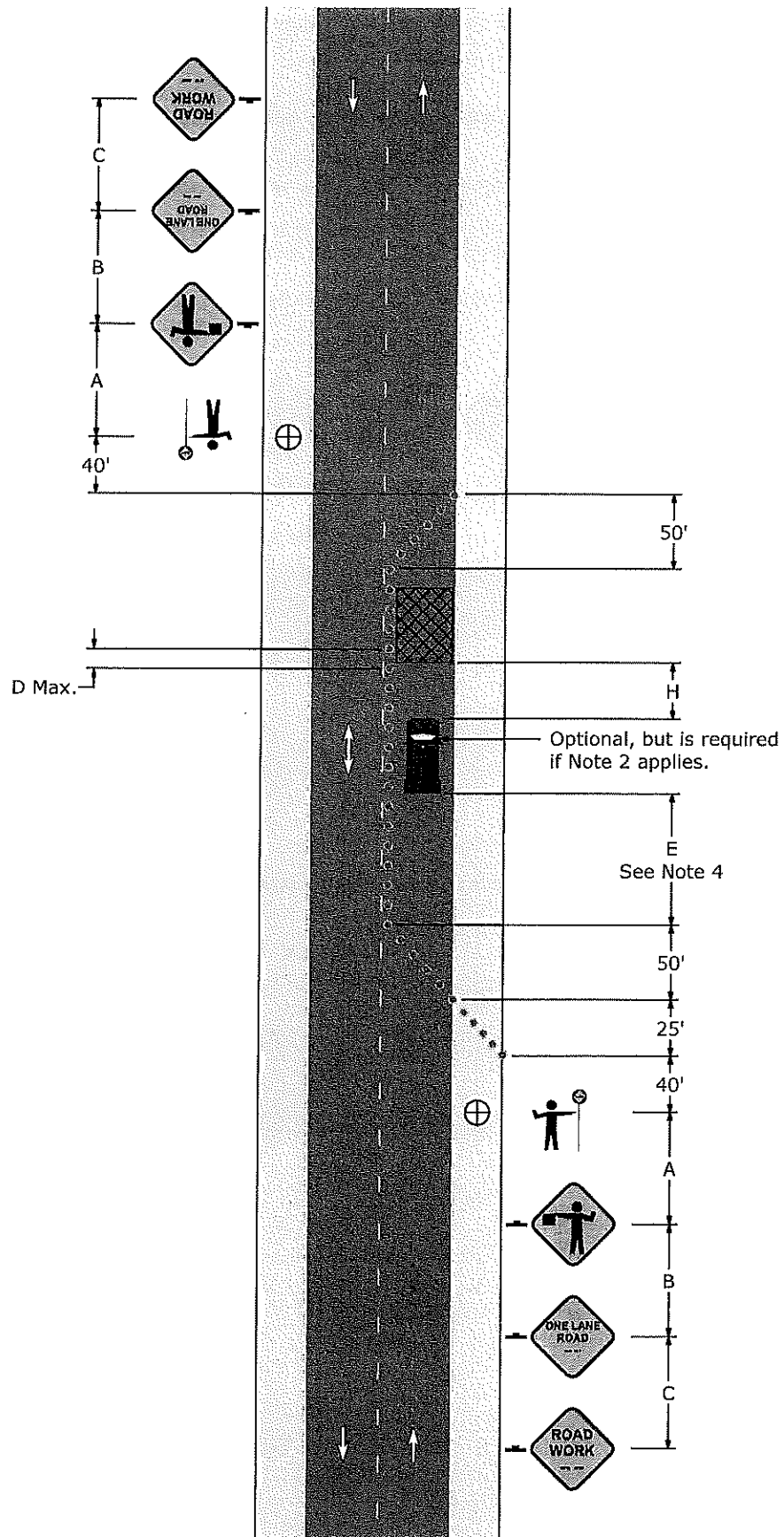
S = Regulatory Speed Limit
W = Width of Offset
L = Length

Distance and Spacing Quick Reference Chart

Speed	W	L	1/2L	1/3L	Min. Channelizing Devices Per Taper Type (Length)				D	E	H
					L	1/2L	1/3L	50'			
MPH	Feet	Feet	Feet	Feet					Feet	Feet	Feet
25	10	105	55	35	6	6	6	6	50	155	150
	11	115	60	40							
	12	125	65	45							
30	10	150	75	50	6	6	6	6	60	200	150
	11	165	85	55							
	12	180	90	60							
35	10	205	105	70	6	6	6	6	70	250	150
	11	225	115	75							
	12	245	125	85							
40	10	270	135	90	6	6	6	6	80	305	150
	11	295	150	100							
	12	320	160	110							
45	10	450	225	150	6	6	6	6	90	360	150
	11	495	250	165							
	12	540	270	180							
50	10	500	250	170	6	6	6	6	100	425	250
	11	550	275	185							
	12	600	300	200							
55	10	550	275	185	6	6	6	6	110	495	250
	11	605	305	205							
	12	660	330	220							

Note: Channelizing devices used in taper shall be equally spaced at 1/2 D Max.

PATA 107 (Old PATA 10a)
Work In One Lane; Two Flaggers



**Highway Occupancy Permit**Permit No.: **06105346**

Permit Conditions		Permit No.: 06105346
10 of 13	PERMITTEE MAY BE REQUIRED TO PROVIDE DAILY VIRTUAL INSPECTION VIA ELECTRONIC DOCUMENTATION. THIS DOCUMENTATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, PHOTO DOCUMENTATION OF WORK PERFORMED, DAILY LOG OF WORK ACTIVITIES, MATERIAL CERTIFICATIONS, TEST RESULTS, AND OTHER PERTINENT INFORMATION THAT DOCUMENTS PROPER RESTORATION OF THE HIGHWAY. PRIOR TO THE START OF WORK, CONTACT THE DISTRICT PERMIT MANAGER OR COUNTY PERMIT SUPERVISOR FOR SPECIFIC REQUIREMENTS. FAILURE TO PROVIDE THE DOCUMENTATION MAY RESULT IN PENNDOT STOPPING THE WORK, PHYSICALLY CLOSING ACCESS TO THE STATE HIGHWAY, AND/OR REMOVAL AND REPLACEMENT OF WORK.	
11 of 13	ALL WORK MUST COMPLY WITH THE GUIDANCE FOR BUSINESSES IN THE CONSTRUCTION INDUSTRY PERMITTED TO OPERATE DURING THE COVID-19 DISASTER EMERGENCY.	
12 of 13	PRIOR TO THE START OF WORK, THE CONTRACTOR IS REQUIRED TO PROVIDE THE DEPARTMENT WITH THE NAME OF THE PANDEMIC SAFETY OFFICER.	
13 of 13	Paving specs are as follows: 4" subbase, 4" 25mm base, 1.5" 9.5mm top and swaled in shoulder.	

Acknowledgement of Completion Permit work has been completed: Date: By:	<div>Yassmin Gramian, P.E. _____ Secretary of Transportation</div> <div>Kenneth B. McClain _____ District Executive</div>
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CURRICULUM VITAE

For
DENNIS F. O'NEILL, P.E.

CONTACT INFORMATION

Dennis F. O'Neill, P.E.
201 Rebecca Lane
East Fallowfield, PA 19320
610-383-9675
dkoneill1009@verizon.net

EMPLOYMENT HISTORY

January 1998 to Present	Herbert E. MacCombie, Jr. P.E. Consulting Engineers and Surveyors, Inc. Broomall, PA
September 1980 to December 1997	Metal Sales and Service, Inc. Kennett Square, PA

EDUCATION

Bachelor of Science in Engineering –	Widener University – May 1988
Professional Engineer Review Seminar –	Drexel University May 13, 2003 to October 14, 2003

PROFESSIONAL QUALIFICATIONS

Engineer in Training Certification –	April 1999
Professional Engineer License #PE062991-	June 2005

CONTINUING EDUCATION

- ♦ PennDOT Pedestrian and Bicyclist Safety and Accommodation Seminar – March 1999
- ♦ Bucks, Chester, Delaware and Montgomery County Conservation District Seminars
February 2002
November 2004
- ♦ HEC-HMS Seminar – Villanova University – January 2003
- ♦ PennDOT Highway Occupancy Permits, Procedures and Design Seminar, April 2004
- ♦ Department of Environmental Protection DEP Stormwater Best Management Practices Manual Course, March 6 & 7, 2007
- ♦ US Army Corps of Engineers ACOE Wetland Delineation Manual Regional Supplement Workshop April 8, 2009
- ♦ United States Department of Agriculture NRCS Web-Soil Survey Seminar, April 14, 2009
- ♦ US EPA Stormwater Program Webcast Series, Illicit Discharge Detection and Elimination September 30, 2009
- ♦ Chester County Engineers Continuing Education, PA's Regulatory Process, November 18, 2009
- ♦ Southeast PA Association of Conservation Districts Post Construction Stormwater Management Seminar, March 26, 2010
- ♦ Center for Watershed Protection Webcast, The Watershed Treatment Model – A TMDL & MS4 Tracking Tool, June 16, 2010
- ♦ NOAA Coastal Zone Services Roadmap for Adapting to Coastal Risk, September 22 & 23, 2010

EXHIBIT

A-8

- ◆ Delaware County Chapter Pennsylvania Society of Professional Engineers, Geosynthetics, September 30, 2010
- ◆ Chester County Engineers Continuing Education, New Chapter 102 Regulations, October 10, 2010
- ◆ Municipal Stormwater Series: TMDLs, Chester County Water Resources Authority, January 14, 2011
- ◆ Smart Transportation Workshop in Chester County, TMACC, CCPC, DVRPC and PennDOT, June 16, 2011
- ◆ Pennsylvania MS4 Training, Pennsylvania DEP, PSATS and PA DCED, March 1, 2012
- ◆ Introduction to HEC-RAS River Analysis System, College of New Jersey, March 5-7, 2012
- ◆ Americans with Disabilities Act, PennDOT LTAP, April 18, 2012
- ◆ PA E&S Manual Update, Chester County Engineers & Chester County Conservation District, June 28, 2012
- ◆ Reimagining the Parking Lot as a Stormwater Practice, Center for Watershed Protection, February 12, 2014
- ◆ Warm Mix Asphalt, LTAP, March 11, 2014
- ◆ Sewer Capacity: Issues and Availability in Southeast PA, Chester County Engineers & Chester County Conservation District, April 24, 2014
- ◆ NPDES & PCSM Permitting Workshop, Southeastern PA Resource Conservation and Development Council, May 22, 2014
- ◆ Pennsylvania Department of Environmental Protection Municipal Separate Storm Sewer System Permit Compliance Course, February 19, 2015
- ◆ Pennsylvania Department of Environmental Protection MS4 TMDL Plan and Chesapeake Bay Pollutant Reduction Plan Course, March 17, 2015
- ◆ Chester County Engineers Spring Conference, Update on Riparian Buffers, E&S Controls, and the Chester County Planning Commission Multi-Modal Circulation Handbook Update, April 18, 2016.
- ◆ Delaware County Bar Association Seminar, Environmental Due Diligence & The Real Estate Deal, The Importance of Phase 1 and Phase 2 Environmental Studies, May 20, 2016.
- ◆ Pennsylvania Department of Environmental Protection, Bureau of Clean Water, Municipal Separate Storm Sewer System (MS4) / Pollutant Reduction Plan (PRP) Workshop, September 21, 2016
- ◆ Delaware County Bar Association Seminar, Annual Survey of Land Use and Zoning Law, December 16, 2016.
- ◆ Soil Classification Systems, Chester County Engineers & Chester County Conservation District, April 20, 2017
- ◆ Fundamentals of Wetland Permitting, Chester County Engineers & Chester County Conservation District, May 18, 2017
- ◆ Understanding the Benefits of Directional Boring, Chester County Engineers & Chester County Conservation District, May 18, 2017
- ◆ HOP Design, Chester County Engineers & Chester County Conservation District, May 18, 2017
- ◆ Engineering Ethics: Conflicts of Interest, NSPE, July 10, 2017
- ◆ Green Infrastructure, U.S. Forest Service and the Pennsylvania State University Extension, July 20, 2017
- ◆ Finding the Base Flood Elevation, American Society of Flood Plain Managers, August 3, 2017
- ◆ Defining Roles and Risks for Engineers and Construction Managers, NSPE, August 23, 2017
- ◆ Preparing Better Planning Modules, Chester County Engineers, PA DEP, November 30, 2017
- ◆ Using the Surface Water Toolbox for Estimating Critical Flow Statistics, U.S. EPA Watershed Academy, February 8, 2018
- ◆ Southeastern Pennsylvania Resource Conservation & Development Council Engineer's Workshop, Rain Garden Design, Managed Release BMPs and Detention Basin Design, March 29, 2019.
- ◆ Computational Methods and Strategies in Stormwater Management using Storm QC, October 24-24, 2019
- ◆ Annual Survey of Zoning and Land Use Laws, Delaware County Bar Association, January 31, 2020
- ◆ NPDES Updates, Chester County Conservation District, February 20, 2020
- ◆ Substantial Damage Calculations, FEMA, Region 3, Floodplain Management & Insurance Branch, September 29, 2020

EXPERIENCE

As a Professional Engineer, I have worked with progressively more responsibility under the direct supervision of James W. MacCombie, P.E., P.L.S. including Municipal and Client Consulting:

MUNICIPAL

Subdivision and Land Development Reviews –

Review Subdivision and Land Development plans submitted to various townships including, Sadsbury Township, Penn Township, and Avondale Borough, in Chester County and Tincum Township in Delaware County for Compliance with the respective Zoning and Subdivision Ordinances.

Millbourne Borough – Borough Engineer

March 2010 to Present: attend monthly Borough Council Meetings, Advise Borough Manager and Council Members on Municipal Engineering matters.

Water Systems Improvements – Avondale Borough

Design public water systems improvements for Avondale Borough, Chester County, PA including securing grant funding, preparation of plans and specifications, preparation of bidding and contract documents and project management.

Tincum Township Recreation Improvements Program

The Township of Tincum, Delaware County, PA has approved various project to improve the active and passive recreation within the Township to improve the quality of life in the Township. The project includes the design and construction of four major park facilities in the Township and an interconnecting multi-purpose trail system which will also be part of the East Coast Greenway network through Delaware County, include including securing grant funding, preparation of plans and specifications, preparation of bidding and contract documents and project management.

Penn Township

The Projects include including securing grant funding, preparation of plans and specifications, preparation of bidding and contract documents and project management for the existing Penn Township Passive Recreation Facility completed in 2001 and the current project to construct an Active Recreation Park for organized sports activities including preparation of document to secure over a million dollars in Federal, State, and County Funding. Prepared a Multi-modal plan for the development of a trail and walkway system to connect the core village of Jennersville.

PRIVATE DEVELOPMENT

Various Subdivisions and Land Development Projects

Preparation of Plans and presentations to Planning Commissions and Elected Boards and Expert Testimony to Zoning Hearing Boards for various size subdivisions and land developments in several municipalities in Chester, Delaware, and Montgomery Counties, including, but not limited to, Warwick Township, East Goshen Township, and East Brandywine Township (Chester County), Haverford Township, Marple Township, Concord Township, Edgmont Township, Newtown Township (Delaware County), and Lower Merion Township, Horsham Township, Upper Moreland and Jenkintown Borough (Montgomery County). Additional information available upon request.

SOCIETIES AND PROFESSIONAL ORGANIZATIONS

National Society of Professional Engineers

Pennsylvania Society of Professional Engineers

Chester County Engineers BMP Committee

East Fallowfield Township Zoning Hearing Board – Former (8 Years)

East Fallowfield Township Planning Commission – Former (18 Years)