

# Ethan Schukoske, PE

Traffic Engineer

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## EXPERIENCE

### Century Engineering Inc., Dover, DE Engineer I

June 2013 - PRESENT

Working in the Traffic Section, responsible for various tasks such as: Signal Design Plans, Signal Timing, Pavement & Rehabilitation Projects, Striping and Signing Plans, Cost Estimates, ITMS Plans and Traffic Studies. Position requires use of Delaware MUTCD, DelDOT Standard Construction Details as well as AASHTO design criteria, standards and specifications.

### Delaware Department of Transportation, Smyrna, DE Civil Engineering Intern

JUNE 2012 - AUGUST 2012

Performed a variety of Traffic Studies including evaluating roadside conditions such as sight distance, pavement markings, sign inventory, Radar Count Data, Turning Movement Count Data and analyzing Crash History Data. Also used Microstation, HCS+ programming, DE MUTCD, The AASHTO Greenbook and engineering practice to evaluate roadways and intersections and provide recommendations.

## EDUCATION

### University of Delaware, Newark, DE Bachelor of Civil Engineering

September 2009- May 2013

## RELEVANT PROJECTS

### DelDOT Traffic Engineering & Design Services Agreement

Provided Traffic Design Services assigned to the Century Traffic Design Engineering Team for many separate tasks under the open-end contract. Traffic design work completed has included the following tasks: Geometric Design, Bicycle and Pedestrian Planning, Traffic Signal Plans, Signal Timing calculations, Signing and Striping Plans, Cost Estimates, ITMS Plans, Detour and MOT Plans, ADA/Pedestrian MOT Plans, Signal Construction Administration, Signal Maintenance Program, Transportation Management Plans (TMP), Specifications, Details, Public/Agency Outreach.

### US13 (S DuPont Hwy) Corridor Widening Project

The US13 Widening project, DelDOT Contract No. T201500202, involves adding one through lane in each direction of US13 along the 2.8-mile project limits from Lochmeath Way to the Puncheon Run Connector. Responsible for the design and coordination of lighting design, signal design and ITMS utility design and relocation within the project limits. Included in the lighting design process is the analysis of the existing and proposed highway lighting photometrics on the corridor. The proposed design of traffic and lighting items includes the coordination with existing and proposed utilities throughout the project limits.

## SOFTWARE KNOWLEDGE

Microsoft Excel  
MicroStation  
Synchro  
HCS Programming  
ArcGIS  
AutoTurn  
Visual (For Roadway Lighting application)

## SOFTWARE FAMILIARITY

AutoCAD  
Inroads  
Vissum  
SignCAD

## PROFESSIONAL AFFILIATION

Institute of Transportation  
Engineers (ITE) Member  
MASITE chapter

American Society of Highway  
Engineers (ASHE) Member  
First State Section

## CURRENT PROFESSIONAL REGISTRATION

Professional Engineer  
(Delaware)

## APPLICABLE SKILLS

Drafting  
Report Building  
Traffic Capacity Analysis  
Trip Generation Modeling  
Public Speaking