

Ms. Lydia Kidwell | Email: lydia.kidwell22@gmail.com

Phone: 703-340-4316 | Location: Reston, VA | LinkedIn: <https://www.linkedin.com/in/lydiakidwell/>

Professional Summary

Detail and goal-oriented project engineer with two years of experience in civil engineering consulting and economic development.

Work Experience

Economic Development, Project Engineer I

July 2022 – August 2024

Timmons Group - Richmond, VA & Virginia Beach, VA

- Identified and certified industrial sites based on Virginia Business Ready Sites Program (VBRSP), or relevant economic development authority, standards

Site Identification	<ul style="list-style-type: none">Collected and recorded large datasets including, but not limited to, county or region-wide water and sewer lines, LiDAR data, historical preservation and conservation areas, etc.Cut active data collection time by 90% by developing a new method for downloading and recording LiDAR dataLead the team's mega site research initiative which resulted in the creation of a database of over 10,000 data points on mega sites, large site acquisitions, and sector-specific company announcements in the southeast U.S. and created documentation of usage, data types, and the creation processCollected 15+ stakeholder surveys in <i>Smartsheet</i> per site identification study (approximately 1 every other month) to create weighted scoring models with 10 criteria each and summarized findings with charts and graphs created in <i>Excel</i> and <i>Tableau</i> for use in client PowerPoint presentations
Site Certification	<ul style="list-style-type: none">Utilized <i>ArcGIS Pro</i> and <i>ArcGIS Online</i> to process and display constraint mapping data: derived contour and slope from LiDAR data, calculated drive distances from sites to transportation and population hubs, measured utility line distances and environmental impact areas, and moreCreated and distributed 4 to 8 utility and locality economic development representative surveys per site then tracked all subsequent data collection through <i>Smartsheet's</i> sheets, forms, and dashboards.Reviewed and analyzed up to 10 due diligence studies per site, noted any qualitative and quantitative findings of significance, and cited these studies in each Tier ReportCompiled the written report, constraint maps, and rendered concept plans in <i>InDesign</i> to create a Tier Report, reviewed and edited the report with senior engineers, and delivered the final report to clientsDecreased the time necessary to create constraint mapping by 15% and decreased overall report creation time by 7.5% by leading the team's process recording initiative and creating 12 workflow documents, 2 <i>ArcGIS Pro</i> constraint mapping templates, and 3 style/design standards documents

Education

Virginia Polytechnic Institute and State University – Blacksburg, VA

- Bachelor of Science in Biological Systems Engineering, May 2023

Skills & Professional Development

<i>ArcGIS Pro (Advanced)</i>	<ul style="list-style-type: none">2 years of daily use including database management, template creation, and constraint analysis and mapping (Timmons Group)Going Places with Spatial Analysis, March 2023 (Esri MOOC)
<i>Excel, PowerPoint, & Word (Advanced)</i>	<ul style="list-style-type: none">2 years of daily use with Excel (imported data from worksheets, files, and online sources, built charts and graphs to export for PowerPoint, sorted and filtered large datasets for data analysis) (Timmons Group)2 years of daily use with Word (created styles and layouts for reports, used comments for collaborative review with peers, inserted tables, images, and hyperlinks) (Timmons Group)2 years of monthly use with PowerPoint (imported charts and graphs from Excel and Tableau, reviewed and edited with peers for client presentations) (Timmons Group)
<i>Smartsheet (Advanced)</i>	<ul style="list-style-type: none">2 years of daily use including database management and survey collection (Timmons Group)
<i>Python (Intermediate)</i>	<ul style="list-style-type: none">100 Days of Code: The Complete Python Bootcamp, In Progress (Udemy Course)
<i>Tableau (Intermediate)</i>	<ul style="list-style-type: none">2 years of monthly use analyzing survey data and self-guided practice with Workout Wednesday projects (Timmons Group)