

Langan seeks a **Transportation and Environmental Planning Intern in our Philadelphia office. The ideal candidate will be** a graduate student currently enrolled in a Master's Degree program in City Planning (or related field). The selected candidate will provide ongoing support to our staff on a part-time basis in the Fall and Winter of 2019 and Spring 2020 (and, if available, part- or full-time basis during the latter part of Summer 2019).

The candidate should have a broad focus and interest in both transportation and environmental planning and permitting and will work with a broad cross-section of Langan disciplines including Transportation Planning and Transportation Engineering, Environmental Engineering and Permitting, Natural Resources, GIS, Site-Civil Engineering, and Landscape Architecture.

The ideal candidate is expected to be a self-starter to actively assist in developing public streetscape and complete streets designs; preparing transportation master plans, parking plans, and pedestrian and bicycle infrastructure plans; developing site plans and renderings; using GIS for analysis and illustrative purposes; performing field work; and gathering data for regulatory agency submissions (in transportation, environmental, and natural resource areas of practice).

Expertise and experience in each of the following items are not mandatory, but are illustrative of potential items that would be valued in the selection of our intern:

#### Skills and Abilities

- Graphic design (for reports and outreach materials);
- Creation of illustrative site plans, cross-sections, and before/after renderings based on engineering plans or sketches;
- Report writing;
- GIS modelling and analysis;
- Ability to communicate to a technical and non-technical audience;
- Ability to learn quickly and apply that knowledge to client deliverables;
- Excellent analytical and judgment capabilities;
- Approaches work collaboratively and effectively shares information;
- Ability to manage the schedule for timely completion of deliverables on multiple client projects;
- Strong writing and oral communication skills (organization, logic flow, grammar, clarity, appropriateness of word choice);
- Knowledgeable or proficient with different types of software, including some of the listed here: AutoCAD, Civil 3D, Adobe Creative Suite, ESRI suite of products, enterprise databases (such as SQL Server), Microsoft Office.
- Ability and willingness to do some limited travel, including to Langan's New York City, Doylestown, PA, and Parsipanny, NJ offices; and to field site locations.

#### Knowledge

- Understanding the overlapping spheres of influence of transportation, land-use, and environmental planning
- General knowledge about transportation and traffic engineering aspects of work, including general knowledge (but not proficiency) of federal and national regulations (Highway Capacity Manual (HCM), Manual of Uniform Traffic Control Devices (MUTCD), American Association of State Highway and Transportation Officials (AASHTO) guidance manuals, National Association of

City Transportation Officials (NACTO) guidance manuals); and traffic simulation packages such as VISSIM and Synchro.

- Experience with PennDOT, Philadelphia Streets Department, NJDOT, NYSDOT, NYCDOT, and DeIDOT submissions and permits
- General knowledge about environmental and natural resource permitting, such as PADEP Chapter 105, USACE Section 404, and PADEP, NJDEP, and NYSDEC general permits for stormwater discharges from construction activities (NPDES or SPDES)
- Knowledge and experience with pedestrian and bicycle infrastructure planning and design
- Knowledge of the federal National Environmental Policy Act (NEPA) process, New York City Environmental Quality Review (CEQR) process and regulations, as well as land use procedures;
- Prior experience with conduction of Phase I and Phase II Environmental Site Assessments (ESAs) and brownfield redevelopment;
- Knowledge and experience with green infrastructure, and specifically green stormwater infrastructure (GSI);
- Knowledge of current state of practice in GIS and data analytics, including performing spatial analysis, using spatial statistics, perfecting data visualization, and incorporating “smart city” strategies;
- Understanding of different demands posed by private / development clients versus public agency or non-profit organization clients; and
- Interest in sustainability.