



Job Title: 3D Rendering and Graphics Fellowship (full-time, temporary)

Start date: Flexible between June 20 and August 10, 2023

End date: Dec 15, 2023

Hours: 40-hours per week. Expected core availability Monday - Friday 10 AM - 4 PM Eastern Time with flexibility

Pay: Hourly rate of \$33/hour plus benefits

Location: Remote, preference for those based near New York City, Albany/Troy/Schenectady, or Atlanta for possible occasional in-person meetings. Candidates should be able to work in the United States.

Application deadline: Applications will be reviewed on a rolling basis starting Thursday, April 13.

The [National Association of City Transportation Officials \(NACTO\)](#) is seeking an approximately 6-month, full-time fellow specializing in SketchUp 3D rendering and infographic design. This hands-on fellowship will support the development of the third edition of NACTO's Urban Bikeway Design Guide, to be published in 2024. The fellow will report to NACTO's Visual Communications Manager to generate 3D renderings of bikeway facility types, post-process the renderings for style, and use the Adobe Suite to produce concise, engaging infographics, plan/cross-section representations of streets, and other diagrams, all of which will appear in the new guide. The fellow will also collaborate directly with NACTO's Senior Program Manager (Biking) and the project team to help collaborate on the visual representation of street design elements. The position is remote, with a preference for those based in New York City, Albany/Troy/Schenectady, or Atlanta to allow for occasional in-person meetings as needed. If the fellow is New York City-based, a full-time office space will be available. Background or interest in transportation planning and/or urban design is preferred.

About the Urban Bikeway Design Guide:

NACTO is in the process of updating its [Urban Bikeway Design Guide](#). The current guide, last updated in 2013, provides cities with state-of-the-practice solutions that can help create complete streets that are safe and enjoyable for bicyclists. The designs in this document were developed by cities for cities, since unique urban streets require innovative solutions. To create the current guide, the authors conducted an extensive worldwide literature search from design guidelines and real-life experience, working with a panel of urban bikeway planning and engineering professionals from NACTO member cities.

The update to the Urban Bikeway Design Guide will include an expanded scope to cover additional network planning and project development design guidance currently included in the Urban Bikeway Design Guide as well as two companion NACTO guides: [Designing for All Ages & Abilities](#) and [Don't Give Up at the Intersection](#).

The visual style of the updated guide will adhere to NACTO's Graphics Standards Manual and will partially reflect the styles of [NACTO's past published guides](#), while also adopting new elements to increase legibility and bring the guide up to date with contemporary graphic design trends and practices.

What you'll do:

- Produce high-quality, detailed 3D renderings of street and bikeway designs based on sketches from project team; edit renderings based on rounds of feedback from the team
- Contribute to meetings and collaborate with the NACTO project team to iterate on bikeway facility diagrams like annotated cross-sections and intersection plan views
- Support graphics team in producing flat infographics for the new Urban Bikeway Design Guide using Adobe Illustrator; edit infographics based on feedback from the graphics team and project team

Required skills/background:

- High proficiency in Sketchup Pro, especially in creating architectural and built-environment renderings
- Proficiency in Adobe Illustrator, Photoshop
- Excellent time management skills to prioritize tasks, meet deadlines, and communicate with team proactively
- Skill engaging on race and equity: NACTO staff work in a wide variety of cities and contexts across North America, and a strong understanding of and ability to engage on the issues and power dynamics around race, equity, and transportation policy are essential to this work.

Desired skills/background:

- Preference for:
 - 4-6 years work experience, some of which is in urban planning, urban design, architecture, landscape architecture, or a related field
 - Or, 2 years work experience plus a bachelor's degree, ideally in urban planning/design or related field
 - Or, master's degree in progress or recently completed, ideally in urban planning/design or related field
- Personal interest or volunteer background in urban planning, urban design, transportation planning

How to Apply:

Email hr@nacto.org with subject "UBDG Fellowship Application" with a single PDF containing a brief cover letter (a one-paragraph summary of your background and interest), resume, and 2-3 samples (totalling 2-3 pages maximum) showing proficiency in Sketchup 3D rendering work, urban design, and/or infographic design. Applications received by Thursday, April 13 will receive first consideration, though this position is open until filled, and we encourage you to apply as soon as possible. No calls or emails please.



Who we are:

NACTO is a nonprofit association of 96 major North American cities and transit agencies formed to exchange transportation ideas, insights, and practices and cooperatively approach national transportation issues. Our members include cities such as Philadelphia, Atlanta, New Orleans, and Houston, and transit agencies such as LA Metro and Chicago Transit Authority. Our mission is to build cities as places for people, with safe, sustainable, accessible, and equitable transportation choices that support a strong economy and vibrant quality of life. Our staff team is passionate, outcomes-oriented, and committed to challenging the status quo in transportation and raising the bar for city streets.

NACTO is committed to workplace diversity and inclusion. We are equal opportunity employers and do not discriminate in hiring or employment on the basis of race, color, religion, national origin, gender identity, marital status, sexual orientation, age, disability, veteran status, or any other characteristic protected by federal, state, or local law. Benefits include accrued PTO; healthcare, dental and vision insurance; and pre-tax commuter benefits.