Yale University President’s Public Service Fellowship
Proposal for Fellowship Placement • Summer 2020

- Organization: City of New Haven Engineering Department
- Full street address of organization: 200 Orange St, 5th floor, New Haven, CT 06510
- Website: www.newhavenct.gov/engineering
- Name and title of person who will be the Fellow’s direct supervisor (the supervisor must be available to supervise Fellow on a daily basis): Dawn Henning, Project Manager
- Phone number and e-mail address of proposed direct supervisor: dhenning@newhavenct.gov (203) 946-8101
- Placement dates (8-11 weeks between Tuesday, May 26 and Friday, August 7, 2020): Flexible
- Are placement dates flexible? If so, please describe: Yes, dates are flexible and can be any of the above based on the candidate’s availability
- Proposed work schedule (placements should be equivalent to full-time and not more than 37.5 hours/week): Mon-Friday 9am-5pm with an hour for lunch (35 hrs/wk)

Placement Description

- Organization description (mission statement, population served. 150 words or less.):
  
  The City of New Haven’s Engineering Department designs, constructs, and maintains public infrastructure for the entire City including bridges, roads, sidewalks, drainage systems, coastal protection, and street lighting. The work includes public outreach, project concept development, engineering design, mapping, construction management, infrastructure inspection, and asset management.
• Write a 1-2 sentence summary of the work that the Fellow would be conducting (50 words or less. This will be used as your organization’s project description summary on the PPSF website, so be succinct):

The Fellow would be working alongside Project Managers on active transportation, traffic calming, and green infrastructure projects. Tasks could include engineering design, construction site visits, outreach/communication, and data and project management. The Fellow would get first hand experience in what it takes to design, implement, and maintain the City’s infrastructure.

• Write a more complete description of the specific project you propose and list the duties/outcomes expected of the Fellow. (Suggested length: one to two pages.)

The City of New Haven’s Engineering Department is responsible for all aspects of designing, constructing, and maintaining the City’s public infrastructure. This fellowship is intended to expose the Yale Fellow to a wide range of tasks associated with the work of the Department particularly as it relates to active transportation, traffic calming, and green infrastructure.

The Engineering Department works closely with the Transportation, Traffic, and Parking Department on designing and implementing projects that promote active transportation options such as walking and cycling and make streets safer for all users. These projects range in scale from a single intersection to multiple miles of roadway and could involve changing line striping on the road, adding bicycle infrastructure, raising crossings/intersections, and altering the geometry of the road. The Departments are always working on a number of these projects at various stages of the design and implementation process. The Yale Fellow would work directly with Project Managers to assist with the design and conduct field visits to inspect and manage projects under construction.

Another aspect of the Engineering Department’s work involves managing the City’s storm sewer system and its coastal resources. The City is actively working on projects to reduce flooding in its streets as well as along its coasts using green infrastructure practices. The City is constructing bioswales throughout downtown to manage excess stormwater runoff. Along the coast, the City is actively working on living shoreline designs to improve the resiliency of two of the City’s coastal parks; Long Wharf Park and East Shore Park. The Fellow’s tasks include assisting with design, data tracking and management, and creation of outreach and communication materials.
While the Yale Fellow would have a primary supervisor, they would also have the opportunity to work directly with and learn from other Project Managers in the Engineering Department. Outcomes from this work could result in real, tangible projects implemented in the City. This is a great opportunity to get an inside look at how projects are implemented on the municipal level. This is an exciting time to get involved and we hope you will join us!

- List specific skills/experience required for the project:
  
  Strongly prefer the candidate have some experience with CAD and/or GIS software, or a strong willingness to learn. Engineering and Architecture majors are preferred.

- Additional requirements (e.g. a car or weekend working hours). If a car is required, include information regarding parking arrangements and mileage reimbursement):
  
  No additional requirements

- Briefly describe the work that Yale PPSF Fellows have done with your organization in the past and present. If you have not worked with Yale Fellows, describe any work that Yale students have done with your organization.

  For the last two summers, the Engineering Department hosted PPSF fellows that worked on the implementation of the City’s Climate and Sustainability Framework. The Fellows assisted us in achieving certification through the Sustainable CT platform, a voluntary certification program for CT municipalities. The City of New Haven was recently awarded Silver certification (the highest possible) and has the most points of any certified community in the state! We were very pleased with the initiative and enthusiasm displayed by our Fellows and look forward to working with another Fellow this summer!