

## Transportation and Water Resources Internship

Rockingham Planning Commission (RPC) is seeking an intern to assist with transportation and water resource planning projects in communities within the RPC region in southeastern New Hampshire. The intern's primary roles will be assisting staff with fieldwork inventories and data analysis for RPC's Road Surface Management System (RSMS) and Regional Stream Crossing Assessment (RSCA) projects. Other duties will include assisting with GIS projects and other projects as needed. To the extent possible, assigned projects will be related to an intern's areas of interest.

RPC's RSMS project provides state agencies and municipalities within the region information on the road system's condition and estimates for future maintenance costs. The main objective of this project is to identify distressed pavement manifestations such as cracking or rutting so that municipalities can look to prioritize maintenance to maximize their return on investment and road quality.

RPC's RSCA project provides state agencies and municipalities within the region information to identify critical and hazardous crossings. The main objective of this project is to identify those stream crossings that may fail, particularly during storm events. Failures can cause infrastructure and property damage, cut off critical transportation routes, negatively affect waterways, and harm aquatic life. Knowing the condition of stream crossings can help guide municipalities and state agencies to prioritize those crossings most in need of retrofit or replacement. Results from this assessment will be incorporated into municipal and regional hazard mitigation plans, vulnerability assessments, and site-specific restoration and mitigation projects.

### Desired experience and skills:

- Bachelor's Degree or coursework working towards a degree in geography, geology, hydrology, engineering, environmental planning, natural resources, water resources, or a related field.
- Practical work experience and/or dedicated coursework conducting field work for natural resource inventories or infrastructure surveys.
- Effective communication, writing, and analytical skills.
- Experience with ArcGIS software (ArcGIS Pro, ArcMap, ArcGIS Online, ArcGIS Collector) and Microsoft Office.
- A valid driver's license.

### Compensation:

The compensation rate for this position is up to \$14.00 per hour for up to 24 hours per week. Ideal candidates would be available to start in mid-May and work through at least the end of August. For questions or to apply, please submit a cover letter, resume, and three references by April 12, 2019 to:

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Note: E-mailed applications preferred. This position will remain open until filled or the recruitment is cancelled. RPC is an equal opportunity employer.