

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
CO-OPS/INTERNSHIPS
Summer 2012

Engineering Technology or Civil/Construction Engineering

\$11.24 to \$15.16 per hour (*depending on experience*)

DEADLINE TO APPLY: 5:00 p.m. on Wednesday, February 29, 2012

May do a combination of all duties listed below based on need:

1. **Assist with Surveying:** Use survey equipment as directed by the survey crew chief to map project. Examples are: GPS, Robotic, & Staking.
2. **Assist with Inspection:** Monitor the contractors' placement or installation of materials under direct supervision. Measure and record the amount of material installed. Requires recording the location of material placement.
3. **Checking:** Involves receipt of tickets that record quantity of material delivered by contractor to project. Checks yield of materials being placed, keeps running total of material to control quantities. Also requires recording location of material placement.
4. **Field Office:** Involves the use of computers to record project information. Construction Automated Records System (CARS) is used for producing project documents. Requires filing of correspondence, reports, and contract documents. The individual will receive onsite training as needed.
5. **Scale:** Use industrial scale to weigh trucks to determine quantity of material contractor is providing to the project. Involves periodically weighing empty trucks to determine tare truck weight, weighing full truck to determine net weight of material, completing weight ticket to record material provided, doing weight checks to determine accuracy of scale and compare legal weight with weight of load to screen out overweight loads.
6. **Lab:** Use lab equipment at project site to determine quality of materials contractor provides to project. Examples of the tests are: gradation, rice test, sampling, physical properties, concrete testing, and densities.

MINIMUM REQUIREMENTS:

Must be enrolled in an undergraduate degree program.

Requires walking on rough terrain, bending, kneeling and standing for up to four hours at a time, occasionally up to 12 hours at a time; written and oral communication skills; ability to swing a two-pound hammer, six-pound maul and use a pick, hand level, shovel, sampling device, calculator, personal computer, telephone; hold a level rod and/or range pole up to 25-feet in length in variable weather; requires a valid Class D drivers license to get to the work site and traveling within the work site; carry several items with a total weight of up to 70 pounds; ability to climb a ladder and stockpiles of materials; normal vision and hearing; able to function around vehicular and construction traffic; use of measuring tape and reading survey stakes; ability to organize and properly file documents; able to visually determine if a truck is carrying a full or partial load; working long hours between meals or breaks.

** If you are interested in earning co-op credit for your internship,
visit your college career center for details**