HERKIMER COUNTY

ENGINEERING INTERN

GENERAL STATEMENT OF DUTIES: Assists in civil engineering projects by performing routine technical work in the field or in an office; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: This is a seasonal training position for students enrolled in approved programs in civil engineering, engineering technology or a related field. No prior experience is necessary as Engineering Interns gain practical experience during the course of their employment. Tenure is limited to two three-month assignments. Supervision is received from higher ranking engineering personnel and detailed instructions are given until routines are mastered.

EXAMPLES OF WORK: (Illustrative only)

- Performs various tasks on survey parties such as serving as a rodman, or chainman;
- Receives on-the-job training in the use of transit and level;
- Learns the principles involved in making preliminary engineering surveys, drainage surveys and construction layouts;
- Accompanies professional staff on a variety of inspection and supervisory tasks;
- Makes simple engineering computations and checks the computations of others;
- Reduces field notes and plots cross-sections;
- Learns to trace, letter and ink plans;
- Abstracts information from engineering reference materials;
- Performs a variety of sub-professional technical tasks in an engineering office;
- Performs traffic studies;
- Participates in road condition surveys and management.

REQUIRED KNOWLEDGES, SKILLS AND ABILITIES: Mathematical aptitude; ability to read and interpret graphs and mathematical tables; ability to understand and carry out oral and written instructions; ability to work outdoors under adverse weather conditions; knowledge of micro-computer operation and application; dependability; physical condition suitable to the demands of the position.

ACCEPTABLE TRAINING AND EXPERIENCE: Applicants must be currently enrolled in an approved program in civil engineering, engineering technology, surveying technology or a related field.

Revised 9/17/97 - Personnel Officer
(PT) Non-Competitive