

ENGINEERING AIDE, INTERMEDIATE

KIND OF WORK

Intermediate para-professional engineering work.

NATURE AND PURPOSE

Under limited supervision, performs a wide range of field, laboratory and office assignments assisting professional and technical staff; performs related work as required.

This class differs from the Engineering Aide, Senior in that the Intermediate normally does not perform as difficult or basic engineering work as a Engineering Aide, Senior. In addition, Intermediates normally receive lead work from an Engineering Aide, Senior.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Leads lower level engineering aides by applying basic engineering work to insure that assignments are completed.

Checks the work of lower level engineering aides to insure work products are correct by applying basic engineering knowledge.

Performs moderately difficult drafting to prepare maps and plats by following procedures, using the drafting equipment and applying mathematical calculations to draw maps and plans.

Inspects construction projects to identify required modifications by following plans and engineering practices.

Maintains technical records, charts and diagrams to insure access to professional staff and other technical staff who require this information in order to complete their work by following procedures and utilizing appropriate storage space.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Mathematics and trigonometry sufficient to perform land surveying calculations and moderately difficult engineering calculations.

Surveying and topographic mapping sufficient to develop maps, diagrams and charts.

Engineering practices sufficient to develop engineering documents.

Engineering Aide, Intermediate

Class Specification

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Ability to:

Operate surveying, drafting and calculating equipment and computers to perform moderately difficult para-professional engineering work.

Direct Engineering Aides sufficient to complete assignments.

Perform moderately difficult technical computations, estimates and tests sufficient to prepare engineering plans and drawings.

Est.: 11/17/71

T.C.:

Rev.: 3/92 Former Title(s):

Ckd.: 3/81