



HARFORD COUNTY
invites applications for the position of:

**CIVIL ENGINEER III -
STRUCTURAL ENGINEER
(PERM/FT/BENEFITS)**

**Start between
\$57,700-\$100,000/YR**

An Equal Opportunity Employer

SALARY:

Annually
\$57,700.00 - \$115,115.00

HOURS OF WORK: 8:00A-5:00P**DEPARTMENT:** Department of Public Works**OPENING DATE:** 03/16/18**CLOSING DATE:** 04/20/18 11:59 PM**NATURE OF WORK:**

This is engineering work at an advanced professional level and includes responsibility for reviewing complex engineering plans; resolving difficult design analysis and/or interpretations; acting as project engineer for large scale projects; close contact and interaction with County Highway's bridge maintenance crews; maintaining regular and important contacts with the public, contractors, other agencies and groups; and monetary responsibility for either cost-effective design, engineering analysis, or planning that may reduce costs of construction or operations. Work is performed under minimal supervision of the designated supervisor and may include managing/supervising the activities or one or more subordinate engineers. Assignments require evaluative thinking and are carried out in accordance with functional precedents, practices and policies.

EXAMPLES OF DUTIES:

(The following examples illustrate the work performed in the positions in the class. Positions may require some or all of these examples depending on the organization of work within the department. The list is not inclusive. A position may require duties not listed, if necessary, to accomplish the work of the department.)

1. Coordinates annual bridge inspection program. Performs detailed analysis of the inspection reports to coordinate, review and prioritize County bridge repairs and reconstruction projects. Assists other engineers and technicians on review and/or design of bridges, culverts, etc. Must be able to understand and interpret the latest AASHTO Bridge Design Specifications and apply them to bridge design projects.
2. Plans general facilities planning documents, such as the Five-Year Capital Improvement Programs for Highways and Structures; develops work scopes for consultants, provides base data as needed and reviews products produced; supervises and participates in data compilation, report writing and mapping.
3. Prepares plans and working documents (and/or works with fellow engineers and technicians to prepare same) for bridge and culvert repair projects. Work may be

completed by Harford County Bridge Maintenance crews or contractor – must be able to effectively work with either.

4. Acts as project engineer for capital projects, primarily focused on transportation structures. Prepares periodic reports on status of projects.
5. Review preliminary and final plans, drawings and plats to insure conformance with sound engineering practices and applicable codes, regulations and specifications; presents recommendations and comments to internal review boards and/or commissions; writes letters with composite recommendations and comments to developers; meets with architects, engineers, and developers to discuss recommendations and solutions to problems and recommends approval of amended plans.
6. Participates in internal review board meetings to provide input regarding plans discussed; may direct such meetings in supervisor's absence; directs subordinate engineers to compile composite comments on plans reviewed.
7. Coordinates activities of different County, State or Federal agencies, including FHWA, MdSHA, MDE, COE, MHT and other engineers, contractors, developers, and other pertinent parties in all phases of assigned projects.
8. Carries out special engineering projects and submits recommendations for alternative solutions to problems.
9. Represents department at public hearings, meetings, and conferences as assigned; maintains liaison with contractors, consultants and representatives of County, State, regional and Federal agencies; answers public inquiries, receives and acts on citizen complaints and suggestions.
10. Plans, assigns and reviews the work of lower level professional and technical personnel engaged in a variety of engineering tasks.
11. Other duties as assigned.

MINIMUM QUALIFICATION REQUIREMENTS:

KNOWLEDGE, SKILLS, AND ABILITIES:

Thorough knowledge of engineering theory, principles and practices as applied to the preparation of plans, specifications, estimates and designs for a variety of public works engineering projects; hydrology, hydraulics; of the engineering methods and techniques as applied to public works design and construction; of engineering and administrative methods and techniques as required in public works facilities, reconstruction and maintenance depending on area of specialty. Knowledge of highway and structure design as well as erosion and sediment control and stormwater management policies and procedures. Working knowledge of SHA's Structure Asset Management program, MS Access Program or other structural design / analysis program is preferred. Ability and skill in interpreting and analyzing engineering design plans and specifications and resolving programs with same; in planning, assigning and reviewing the work of lower level engineering and technical staff; in preparing technical forms, reports, agreements and other correspondence; effective oral and written communication skills. Ability to establish and maintain effective working relationships with associates and developers, consultant architects and engineers, contractors, and the public; to stand for prolonged periods of time; to bend, climb, stoop or sit depending upon work assignment; to drive a County vehicle in carrying out some work assignments.

EDUCATION:

B.S. Degree in Civil Engineering or closely related field.

EXPERIENCE:

Six (6) years of increasingly responsible professional engineering experience in the area of specialization.

LICENSE:

- While not required, preference will be given to those candidates who currently hold a Professional Engineer's license.
- Possession of a valid Class "C" non-commercial driver's license with no more than three (3) points.

SAFETY:

Must comply with Harford County Safety Manual.

APPLICATIONS MAY BE FILED ONLINE AT:
<http://www.harfordcountymd.gov>

OFFICE INFORMATION:
220 South Main Street
Bel Air, MD 21014
410-638-3201
410-638-3302

Job #18-030
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