STATE OF OHIO (DAS) CLASSIFICATION SPECIFICATION	**CLASSIFICATION SERIES**: Transportation Engineer	**SERIES NO**.: 8564
	MAJOR AGENCIES: Department of Transportation only	**EFFECTIVE DATE**: 05/21/2023

SERIES PURPOSE:
The purpose of the transportation engineer occupation is to provide professional engineering services in areas of roadway construction, planning, design, maintenance or testing. Must have authority to approve use of contingencies (i.e., quantity & plan design) in order to be properly classified at any level in this series.

At the two lowest levels, employees specialize in roadway construction, planning, design, maintenance or testing functions, with assignments increasing in the degree of complexity & independence as employees move through the series.

At the middle two levels, employees act as supervisors &/or staff specialists.

At the highest level, employees serve as administrator for an Office in Central Office or acts as staff specialist by serving as assistant to district deputy director or serves as the District Construction or District Design Engineer.

Note: The classification series is reserved for persons who have an engineering degree and have been accepted for the Basic Fundamentals of Engineering Examination (i.e., EIT exam), hold a valid certificate as Engineer-In-Training or hold licensure as registered professional engineer by Ohio State Board of Registration for Professional Engineers & Surveyors.

Glossary: The terms listed below are to be interpreted to mean the following whenever they appear in the classification specification.

Division: An organizational area, made up of multiple offices within the Ohio Department of Transportation typically reporting to an Assistant Director.

Office: An organizational area within the Ohio Department of Transportation reporting to a division deputy director, assistant director or chief engineer.

Section: Comprised of a minimum of two work units. Work Unit: Has two or more employees assigned who perform related functions. A work unit does not have to be headed by a supervisor.

Chief Engineer: Typically an Assistant Director. Formally described by Ohio Revised Code 5501.12

Office Administrator: Directs engineering staff in development of engineering specifications, policies, procedures & standards having statewide impact for entire engineering program function, establishes work priorities, directs development & implementation of polices & procedures, evaluates program effectiveness, develops & administers budget to include federal dollars where appropriate & evaluates need & coordinates training for Office personnel.

Support Personnel: Technical & paraprofessional level employees. Does not include clerical, secretarial & like personnel.

Staff Specialist: There are three levels of staff specialist which carry out the following:

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Employee develops & evaluates plans & criteria for variety of projects & activities to be carried out by others & assesses feasibility & soundness of proposed engineering designs, evaluation tests, products or equipment when necessary data is insufficient or confirmation by testing is advisable regarding one technical specialty, or type of facility or equipment or program function. Employees located in the Central Office also conduct quality assurance reviews of engineering related operations/ projects that will vary by assigned area of expertise. An employee may also supervise other employees but such is not mandatory.

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Employee develops engineering policies & plans projects concerned with unique or controversial problems which have significant impact on major organizational programs, keeps abreast of new scientific methods & developments affecting department & recommends changes in emphasis of programs or new programs warranted, implements departmental policies & programs in administration of contracts involving multiple complex projects, programs & directives & develops &/or revises policies & directives based on field observation & testing.

Employees located in Central Office also develop statewide quality assurance programs to review engineering related operations/projects that will vary by assigned area of expertise. An employee may also supervise other employees, but such is not mandatory.

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Central Office – Employee serves as Office Administrator & supervises assigned staff.

District Office – Employee serves as District Construction or District Design Engineer (i.e., directs & administers all district construction or design activities) OR employee coordinates activities of district office location on behalf of district deputy director, acts in absence of district deputy director & serves as consultant to district deputy director.

Program Function: All activities pertaining to roadway construction, planning & engineering, maintenance or materials control & testing.

ODOT classifies plans and projects into the following three categories:

Simple Plans/Projects: Designed to develop technical skills, knowledge & abilities requiring application of standard techniques, procedures & criteria in carrying out a sequence of engineering related tasks. Limited exercise of judgment is required on details of work & in making preliminary selections & adaptations of technical alternatives. The following are simple plans/projects by assigned specialty: in Construction - guardrail, two-lane resurfacing, striping, ditch lay-overs; in Planning & Engineering - guardrail, two-lane resurfacing, striping, ditch lay-overs & minor structures, in Highway Management -traffic signs & signals, raised pavement markers, striping, ditch lay-overs, bridge painting & waterproofing & annual mandated inspection of bridges to determine structural adequacy & condition.

Standard Plans/Projects: Assignments require evaluation, selection & application of standard techniques using judgment to make minor adaptations & modifications. Assignments have clear & specified objectives & require the investigation of a limited number of variables. The following are examples of standard plans/projects by assigned specialty: in Construction - bridge overlays, culvert replacements & minor structures; in Planning & Engineering -detailed drawings of roadways, culvert replacements, minor structures, signing, roadway illumination & right of way; in Highway Management-maintenance of existing minor structures, roadways & updating specifications & plans for minor structure rehabilitation, two-lane re-surfacing, roadway illumination projects, roadway signing & two phase traffic signals.

Complex Plans/Projects: Characterized by planning & conducting technical work requiring judgment in the independent evaluation, selection, adaptation & modification of standard techniques, procedures & criteria. Employees devise new approaches to problems encountered. The following are complex plans/projects by assigned specialty: in Construction - new location, new alignment, multi-lane &/or bi-directional reconstruction & major structures; in Planning & Engineering - new location, new alignment, multi-lane &/or bi-directional reconstruction, major structures; in Highway Management-multi-phase traffic signal design, major structure rehabilitation, ditch relocation, traffic control standards & guidelines, multi-lane resurfacing & lane additions & widening.

Minor Structures: Level 1 Bridges as defined in ODOT's Consultant Prequalification Requirements & Procedures Manual.

Major Structures: Level 2 Bridges as defined in ODOT's Consultant Prequalification Requirements & Procedures Manual.

CLASS TITLE	CLASS NUMBER	PAY RANGE	EFFECTIVE
Transportation Engineer 1	85641	32	12/27/2015

CLASS CONCEPT:
The developmental class works under general supervision & requires working knowledge of civil engineering & evaluation, selection & application of standard practices & techniques in order to inspect simple & standard projects to ensure contractor compliance to plans, notes, and guidelines, approve use of contingencies (i.e., quantity & plan design) as stipulated by contract & has authority to stop work by contractor, or to review & design simple plans for proposed highway construction projects/ improvements, or to assist in planning simple improvement & reconstruction projects to upgrade roads, structures & landscapes, and to generate standard detailed drawings used in construction, maintenance & planning of transportation projects & assist in review of highway & bridge plans, contracts & cost estimates for technical accuracy, or to assist in standard maintenance projects by performing calculations for hydraulics, signals, signing, pavement, fence & bridge design & to update specifications & plans for standard projects.

CLASS TITLE	CLASS NUMBER	PAY RANGE	EFFECTIVE
Transportation Engineer 2	85642	33	12/27/2015

CLASS CONCEPT:
The full performance level class works under general supervision & requires considerable knowledge of civil engineering & independent evaluation, selection, adaptation & modification of standard techniques, procedures & criteria in order to manage multiple complex construction projects, review design of all necessary changes to project(s), ensure construction methods for all aspects of project(s) will achieve plan & specification intent & act as lead worker over lower-level transportation engineers, transportation technicians &/or other support personnel, or independently manage complex projects by generating detailed drawings utilizing engineering principles (e.g., structural steel design, structural concrete design, hydraulic design, geometric design, statistical analysis & cost analysis) in development of construction project plans, or to independently manage complex projects in field & from design development standpoint for maintenance of existing structures &/or roadway conditions (i.e., determine work required, develop & generate rehabilitation plans using CADD & drafting equipment for structures, develop rehabilitation layouts & analyze conditions & determine project scope).

CLASS TITLE	CLASS NUMBER	PAY RANGE	EFFECTIVE
Transportation Engineer 3	85643	14	01/21/2007

CLASS CONCEPT:
The advanced or first supervisory level class works under general direction & requires considerable knowledge of civil engineering in order to act as first line supervisor over lower-level transportation engineers, transportation technicians &/or other support personnel &/or act as staff specialist in District or Central Office;

In addition to one of preceding options, sign plans &/or other engineering documents as registered professional engineer & employees in Central Office conduct quality assurance reviews.

CLASS TITLE	CLASS NUMBER	PAY RANGE	EFFECTIVE
Transportation Engineer 4	85644	15	01/21/2007

CLASS CONCEPT:
The expert or second supervisory level class works under general direction & requires thorough knowledge of civil engineering in order to supervise personnel assigned to minimum of two work units, with each unit assigned different functions;

Or

In Construction only, supervises a minimum of 2 employees which must include at least one Transportation Engineer 3;

Or

In production only, supervise two or more teams/squads (i.e., minimum of two lower-level transportation engineers or transportation technicians &/or other support personnel per team/squad);

Or

Act as staff specialist in District or Central Office.

In addition to one of preceding options, sign plans &/or other engineering documents as registered professional engineer & employees in Central Office conduct quality assurance reviews.

CLASS TITLE	CLASS NUMBER	PAY RANGE	EFFECTIVE
Transportation Engineer 5	85645	16	05/21/2023

CLASS CONCEPT:
The third expert or supervisory level class works under general direction & requires extensive knowledge of civil engineering in order to act as engineer in charge of all district construction or design activities (i.e., two positions per district) & supervise assigned personnel, or act as staff specialist by serving as assistant to district deputy director to include acting in absence thereof in district office location (i.e., one position per district), or in Central Office location, serve as Office administrator & supervise assigned staff, & in addition to one of preceding options, sign plans &/or other engineering documents as registered professional engineer.

CLASS TITLE	CLASS NUMBER	B. U.	EFFECTIVE	PAY RANGE
Transportation Engineer 1	85641	13	12/27/2015	32

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

In Construction, inspects simple & standard projects to ensure contractor compliance to plans, notes, & guidelines, approves use of contingencies (i.e., quantity & plan design) stipulated by contract & has authority to stop work by contractor; or in Planning & Engineering, reviews & designs simple plans for proposed highway construction projects/improvements & receives training in standard plans or projects, generates standard detailed drawings for specific portions of construction, maintenance & planning of transportation projects (e.g., applies knowledge of soils, slope of land & availability of existing drainage & structural design to establish precedents to meet estimated load requirements, improve efficiency, safety, economy & environmental compatibility) & assists in review of highway & bridge plans, contracts & cost estimates for technical accuracy; or in Highway Management, assists in planning simple improvement & reconstruction projects using CADD & drafting equipment to upgrade roads, structures & landscapes & assists in standard maintenance projects by performing calculations for hydraulics, signals, signing, pavement, fence & bridge design & updates specifications & plans for standard projects.

Records project information in construction diary & on various construction reports; coordinates raw field data & researches existing records to provide detailed information to higher-level engineers for further analysis; conducts traffic studies & researches specific locations (e.g., high accident areas); identifies capabilities of machinery to be purchased; performs administrative, fiscal & computer tasks to gain exposure to all aspects of department if participating in Engineer-In-Training program.

Approves & signs documentation (e.g., approves use of contingencies, construction diaries, TE-30 material reports & construction estimates); assists in reviewing environmental documents (e.g., air & water reports; engineering source documents) in preliminary development stage for accuracy & compliance to specifications; participates in survey, layout & preparation of traffic signal installations; reviews routine traffic engineering studies & summarizes for engineer; generates reports & cost estimates.

Meets with public, government officials & property owners to provide information regarding projects; confers with higher-level engineer or transportation technician to gain assistance to resolve unusual problems.

MAJOR WORKER CHARACTERISTICS:

Knowledge of civil engineering technology; OSHA safety practices*; public relations*. Skill in use of computer, CADD & drafting equipment. Ability to understand civil engineering technology; use statistical analysis; comprehend & interpret plans & specifications to conduct standard inspections or design standard plans; cooperate with co-workers on group projects; handle routine & sensitive contacts with public government officials & property owners concerning assigned projects/plans.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Bachelor's degree in engineering; Accepted for Basic Fundamentals of Engineering Examination (EIT exam) by Ohio Board of Registration for Professional Engineers & Surveyors.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Must obtain Valid certificate as Engineer-In-Training issued or accepted as equivalent by Ohio Board of Registration for Professional Engineers & Surveyors during probationary period.

UNUSUAL WORKING CONDITIONS:

May require travel where employee must provide own transportation; may be exposed to unsafe conditions during inspections of projects; may work varying hours.

CLASS TITLE	CLASS NUMBER	B. U.	EFFECTIVE	PAY RANGE
Transportation Engineer 2	85642	13	12/27/2015	33

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

In Construction, manages multiple complex construction projects, reviews design of all necessary changes to project(s) & ensures construction methods for all aspects of project(s) will achieve plan & specification intent by acting as lead worker (i.e., provides work direction & training) & routinely reviewing construction diaries, inspection reports &/or material test reports completed by lower-level transportation technicians &/or transportation engineers &/or other support personnel; or in Planning & Engineering, independently manages complex projects by generating &/or reviewing detailed drawings using CADD or drafting equipment & engineering principles; or in Highway Management, independently manages complex project in field & from design development standpoint for maintenance of existing structures &/or roadway conditions (i.e., determines work required, develops & generates rehabilitation plans using CADD & drafting equipment for structures, develops rehabilitation layouts, analyzes conditions & determines project scope).

Prepares required reports relative to assigned projects/plans; prepares cost estimates; confers with supervisor or higher-level engineer regarding unusual or complex problems or to obtain approval on plans.

MAJOR WORKER CHARACTERISTICS:

Knowledge of civil engineering technology; OSHA safety practices*; public relations*. Skill in use of computer, CADD & drafting equipment. Ability to understand civil engineering technology; use statistical analysis; comprehend & interpret plans & specifications to conduct complex inspections or design complex plans; cooperate with co-workers on assigned planning & engineering functions or projects.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Valid certificate as Engineer-In-Training issued or accepted as equivalent by Ohio Board of Registration for Professional Engineers & Surveyors; 12 mos. exp. as Transportation Engineer 1, 85641.

-Or Bachelor's degree in engineering; valid certificate as Engineer-In-Training issued or accepted as equivalent by Ohio Board of Registration for Professional Engineers & Surveyors; 2 yrs. engineering related experience.

-Or equivalent of Minimum Class Qualifications For Employment noted above may be substituted for the experience required, but not for the mandated registration.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Not applicable.

UNUSUAL WORKING CONDITIONS:

May require travel where employee must provide own transportation; may be exposed to unsafe conditions during inspections of projects; may work varying hours.

CLASS TITLE	CLASS NUMBER	B. U.	EFFECTIVE	PAY RANGE
Transportation Engineer 3	85643	EX	01/21/2007	14

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

In District or Central Office, acts as staff specialist (i.e., develops & evaluates plans & criteria for variety of projects & activities to be carried out by others; assesses feasibility & soundness of proposed engineering designs, evaluation tests, products or equipment when necessary data is insufficient or confirmation by testing is advisable regarding one technical specialty, or type of facility, or equipment or program function, represents organization at conferences to resolve questions, directs engineering/technical activities on behalf of supervisor & to plan & coordinate work, assists in development of section policy, budget preparation &/or long range planning & advises offices, consulting firms, Federal Highway Administration, local public agencies & others with projects/problems in assigned area of expertise) in addition, employees in Central Office conduct quality assurance reviews;

&/or

Acts as first line supervisor over lower-level transportation engineers, transportation technicians &/or other support personnel

&

in addition to one of preceding options, signs plans &/or other engineering documents as registered professional engineer, documents as registered professional engineer, manages multiple complex construction projects, reviews design of all necessary changes to project(s) & ensures construction methods for all aspects of project(s) will achieve plan & specification intent & routinely reviewing construction diaries, inspection reports &/or material test reports completed by transportation technicians &/or transportation engineers &/or other support personnel, interprets complex plans to provide for effective implementation & minimize chance of accident, conflict & delay, conducts field reviews of project implementation &/or reviews site of proposed project to ensure project adaptability & prepares design changes to final plans (i.e., plans let for construction) to solve plan implementation problems (i.e., changes to structural design including camber of beam, pavement design, geometric design & hydraulics), prepares plans & designs revisions for construction of roadways (i.e., shoulder widening, ditch lay-overs, drainage design, structural repair & rehabilitation) using Computer Aided Drafting & Design (i.e., CADD) & drafting equipment, recommends & designs change orders, reviews complex engineering reports & analyzes bids & recommends awards, prepares or reviews complex plans & designs for major four-lane rehabilitation, new construction, bridge replacement, roadway relocation by incorporating geometric, hydraulic & structural design techniques in plan preparation using CADD or drafting tools to draw plans & instructs & trains employees in CADD techniques; as assigned, operates state vehicle to travel to & inspect project sites.

MAJOR WORKER CHARACTERISTICS:

Knowledge of civil engineering; public relations*; OSHA safety practices; employee training & development; supervisory principles & techniques*. Skill in use of computer, CADD & drafting equipment. Ability to comprehend & interpret variety of civil engineering principles, techniques, procedures, criteria, plans & specifications & related data; define problems, collect data, establish facts & draw valid engineering/technical conclusions; use statistical analysis; calculate fractions, decimals & percentages; cooperate with co-workers on group projects &/or establish friendly atmosphere as supervisor; handle routine & sensitive contacts with government officials, consulting firms/contractors & general public.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Licensed as registered professional engineer by Ohio State Board of Registration for Professional Engineers & Surveyors; 12 mos. exp. as Transportation Engineer 2, 85642; if assigned to operate a state vehicle to travel to & inspect project sites, must possess valid driver's license.

-Or licensed as registered professional engineer by Ohio State Board of Registration for Professional Engineers & Surveyors; 12 mos. exp. as group or project leader providing work direction & training to engineering technicians &/or lower-level engineers or 12 mos. exp. in conducting engineering related research (i.e., conducting engineering related research only applies to staff specialist positions); if assigned to operate a state vehicle to travel to & inspect project sites, must possess valid driver's license.

-Or equivalent of Minimum Class Qualifications For Employment noted above may be substituted for the experience required, but not for the mandated registration.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:
Renewal of licensure as registered professional engineer as prescribed by law.

UNUSUAL WORKING CONDITIONS:
May require travel where employee must provide own transportation; may be exposed to unsafe conditions when conducting inspections; may work varying hours.

CLASS TITLE	CLASS NUMBER	B. U.	EFFECTIVE	PAY RANGE
Transportation Engineer 4	85644	EX	01/21/2007	15

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)
Supervises personnel assigned to minimum of two work units, with each unit assigned different functions;

Or

In Construction only, supervises a minimum of 2 employees which must include at least one Transportation Engineer 3;

Or

In production only, supervise two or more teams/squads (i.e., minimum of two lower-level transportation engineers or transportation technicians &/or other support personnel per team/squad),

Or

In District or Central Office, acts as staff specialist (i.e., develops engineering policies & plans projects concerned with unique or controversial problems which have significant impact on major organizational programs; keeps abreast of new scientific methods & developments affecting department & recommends changes in emphasis of programs, represents administrator in administration of contracts involving multiple complex projects, programs & directives & develops &/or revises policies & directives based on field observation & testing & if assigned, supervises employees)

In addition to one of preceding options, sign plans &/or other engineering documents as registered professional engineer & employees in Central Office conduct quality assurance reviews.

Provides budgetary information to supervisor, researches & makes recommendations to assist with long range planning for section, evaluates section's engineering policies & recommends revisions & approves & implements section policies; evaluates impact of changes to engineering policies, procedures & standards having statewide implications & makes recommendations to supervisor, integrates changes in existing programs & directs research & evaluation efforts (i.e., in Central Office location); determines testing procedures to evaluate changes, implements test studies & recommends adoption of new procedures, policies & equipment purchases (i.e., staff specialists).

Independently generates & signs name to external correspondence (e.g., inquiries, investigations, acknowledgments) to consultants, governmental units, private industries & general public on matters related to section's activities; conducts field inspections; meets with officials from district &/or external officials (e.g., consultants, Federal Highway Administration, local authorities county officials) to present department's position & offer recommendations of acceptable alternatives where established policy does not apply; serves on various internal &/or external committees; originates reports; as assigned, operates state vehicle to travel to & inspect project sites.

MAJOR WORKER CHARACTERISTICS:
Knowledge of civil engineering; public relations*; OSHA safety practices; employee training & development; supervisory principles & techniques*. Skill in use of computer, CADD & drafting equipment. Ability to comprehend & interpret variety of civil engineering principles, techniques, procedures, criteria, plans & specifications & related data; define problems, collect data, establish facts & draw valid engineering/technical conclusions; use statistical analysis; calculate fractions, decimals & percentages; cooperate with co-workers on group projects &/or establish friendly atmosphere as supervisor; handle routine & sensitive contacts with government officials, consulting firms/contractors & general public; plan & develop engineering projects with unique or controversial problems &/or novel engineering related concepts & approaches.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:
Licensed as registered professional engineer by Ohio State Board of Registration for Professional Engineers & Surveyors; 12 mos. exp. as Transportation Engineer 3, 85643; if assigned to operate a state vehicle to travel to & inspect project sites, must possess valid driver's license.

-Or licensed as registered professional engineer by Ohio State Board of Registration for Professional Engineers & Surveyors; 2 yrs. exp. as group or project leader or supervisor providing work direction & training to employees engaged

in engineering projects or 2 yrs. exp. in managing engineering research projects (i.e., managing research projects applies only to staff specialist positions); if assigned to operate a state vehicle to travel to & inspect project sites, must possess valid driver's license.

-Or equivalent of Minimum Class Qualifications For Employment noted above may be substituted for the experience required, but not for the mandated registration.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:
Renewal of licensure as registered professional engineer as prescribed by law.

UNUSUAL WORKING CONDITIONS:
May require travel where employee must provide own transportation; may be exposed to unsafe conditions when conducting inspections; may work varying hours.

CLASS TITLE	CLASS NUMBER	B. U.	EFFECTIVE	PAY RANGE
Transportation Engineer 5	85645	EX	~~03/30/1997~~	16

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

In Central Office location only, serves as Office administrator (i.e., directs engineering staff in development of engineering specifications, policies, procedures & standards having statewide impact for entire engineering program function; establishes work priorities; directs development & implementation of polices & procedures; evaluates program effectiveness; develops & administers budget to include federal dollars where appropriate; evaluates need & coordinates training for Office personnel) & supervises assigned staff,

OR

In District Office location only, directs & administers all district construction or design activities (i.e., only twopositions per district), supervises transportation engineer 4s assigned to construction or design function, establishes priorities & objectives & ensures completion thereof, approves & directs implementation of all policies & procedures & develops & administers construction or design budget, or coordinates activities of District Office location on behalf of district deputy director & serves as consultant to district deputy director (i.e., one position per district),

AND

In addition to one of preceding options, directs preparation of highly technical engineering reports (e.g., program manuals within Office specialty; design manuals; exceptions to existing national specifications/standards as guides on technical matters) & develops long range plans to address issues having future impact on department.

Represents department on various external committees; serves on internal task forces to provide expertise in area of specialization; meets with consultants, contractors & government officials to explain programs & coordinate projects; responds to inquiries from various public & private organizations; testifies as expert witness as needed before committees, government entities & in court.

MAJOR WORKER CHARACTERISTICS:

Knowledge of civil engineering; public relations; OSHA safety practices; employee training & development; supervisory principles & techniques. Skill in use of computer, CADD & drafting equipment. Ability to comprehend & interpret variety of civil engineering principles, techniques, procedures, criteria, plans & specifications & related data; exercise independent judgment to anticipate & solve unprecedented engineering problems, determine program objectives & requirements, organize projects & develop policy, standards & guidelines for diverse engineering activities.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Licensed as registered professional engineer by Ohio State Board of Registration for Professional Engineers & Surveyors; 12 mos. exp. as Transportation Engineer 4, 85644.

-Or licensed as registered professional engineer by Ohio Board of Registered Professional Engineers & Surveyors; 3 yrs. exp. in supervisory engineering position or 3 yrs. exp. performing duties of exempt staff specialist for Ohio Department of Transportation (i.e., exp. as exempt staff specialist only applies to staff specialist positions).

-Or equivalent of Minimum Class Qualifications For Employment noted above may be substituted for the experience required, but not for the mandated registration.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Renewal of licensure as registered professional engineer as prescribed by law.

UNUSUAL WORKING CONDITIONS:

May require travel where employee must provide own transportation; may work varying hours