remediation of environmental hazards utilizing various

disciplines.

As of:	07/01	./2018
--------	-------	--------

	oue Catalog. Ling	meering		A5 01. 0	//01/20	LO
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETM040	Mgr 1, Civil Engineering	Front Line Mgr	Manager (1,2,3)	Professionals	SWD	Ν
coordinati maintenar	he engineering plans, designs, on of new transportation construce activities. Serves as group leal engineers.	ruction and/or	Entry Qualifications  Bachelor's degree in civil engineering or civil engineer technology from an ABET accredited college or univer Three years of related experience AND demonstrated experience in a lead worker or supervisory role. Note: Professional Engineering (PE) license required.		lege or universit lemonstrated ory role. Note:	_
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETM041	Mgr 2, Civil Engineering	Front Line Mgr	Manager (1,2,3)	Professionals	SWD	0
directing,	ary  ordinate managers in the planni  controlling and evaluating the e  of a transportation infrastructure	ngineering	technology from an Four years of relate	n civil engineering or ABET accredited coll d experience AND de supervisory role. Not	lege or universitemonstrated exp	y AND
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETM042	Sr Mgr 1, Civil Engineering	Front Line Mgr	Senior Manager	Professionals	SWD	Р
providing a	ary Assistant Office Head in an engin assistance in directing engineeri eadership to subordinate manag	ng activities.	technology from an Five years of related	s n civil engineering or ABET accredited col d experience AND de tion. Note: Profession	lege or universit monstrated exp	y AND erience
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETM043	Sr Mgr 2, Civil Engineering	Front Line Mgr	Senior Manager	Professionals	SWD	Q
Job Summary Serves as Office Head in an engineering office overseeing engineering activities. Provides leadership to subordinate managers and staff.		technology from an Six years of related	n civil engineering or ABET accredited col experience AND One lership role. Note: Pr	lege or universit	y AND strated	
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP020	Environmental Engineer 1	Professional	Professional	Professionals	SWD	L
	ary ervision, learns to design, plan of a primary and a learns to design.	•	_	s n agricultural, chemic chanical engineering		

college or university.

**Job Summary** 

maintenance activities.

Under supervision, assists with the plan, design, cost and

coordination of new transportation construction or

Job Code Catalog: Engineering As of: 07/01/2			7/01/20	18		
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP021	Environmental Engineer 2	Professional	Professional	Professionals	SWD	M
engineerin remediatio disciplines environme	eral supervision, designs, plans or duties in the prevention, con on of environmental hazards ut . Prepares and/or reviews tech ental compliance or pollution pronservation options.	trol and ilizing various nical reports for	Bachelor's degree or civil-sanitary or college or universit	Entry Qualifications  Bachelor's degree in agricultural, chemical, civil, environ or civil-sanitary or mechanical engineering from an accrecollege or university AND One year of experience in profession environmental or sanitary engineering work.		edited
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP022	Environmental Engineer 3	Professional	Professional	Professionals	SWD	Ν
engineerin remediatio disciplines environme	ad supervision, designs, plans of guties in the prevention, con on of environmental hazards ut a Prepares and/or reviews tech ental compliance or pollution pronservation options.	trol and ilizing various nical reports for	or civil-sanitary or college or universit professional enviro	in agricultural, chemic mechanical engineeri cy AND Two years of e onmental or sanitary e ence at a level equiva ineer 2 (ETP021).	ng from an accre experience in engineering wor	edited
Job Code	Job Title	Function	<b>Sub Function</b>	EEO-4	Salary Plan	Grade
ETP023	Environmental Engineer 4	Supervisor	Supervisor	Professionals	SWD	0
staff or sei engineerin including i	ary  rvise, guide and instruct the wo  rve as lead/ subject matter exp  rg duties in the environmental o  nvestigation, evaluation, planni  uction and operation of facilities	ert (SME) for or health field ing or design of	or civil-sanitary or college or universit professional enviro	in agricultural, chemic mechanical engineeri cy AND Three years of onmental or sanitary e ence at a level equiva	ng from an accr experience in engineering wor	edited
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP024	Environmental Engineer Spv	Supervisor	Supervisor	Professionals	SWD	Ν
Job Summary Supervises, guides, and/or instructs the work assignments of subordinate staff. Performs engineering duties in the environmental or health field including investigation, evaluation, planning or design of the construction and operation of facilities.		or civil-sanitary or college or universit professional enviro One year of experi	in agricultural, chemic mechanical engineeri cy AND Four years of e onmental or sanitary e ence at the lower leve B) or position equivale	ng from an accre experience in engineering wor el Environmenta	edited k OR	
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP040	Civil Engineering 1	Professional	Professional	Professionals	SWD	I
1.1.6						

# Page 2 of 6

**Entry Qualifications** 

Bachelor's degree in civil engineering or civil engineering

technology from an ABET accredited college or university.

Job C	ode Catalog: Er	ngineering		As of: 0	7/01/201	18
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP041	Civil Engineering 2	Professional	Professional	Professionals	SWD	J
engineerir assistance	eral supervision, performs in eral supervision, performs in ng work assignments. Provide with plans, designs, costs an ansportation construction or	es engineering and the coordination		ns in civil engineering or n ABET accredited coll		
Job Code	Job Title	Function	<b>Sub Function</b>	EEO-4	Salary Plan	Grade
ETP042	Civil Engineering 3	Professional	Professional	Professionals	SWD	K
engineerin assistance	ad supervision, performs into ng work assignment. Provides with plans, designs, costs an ansportation construction or	engineering d the coordination		in civil engineering or n ABET accredited coll		
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP043	Civil Engineering 4	Professional	Professional	Professionals	SWD	L
plans, desi transporta	ited supervision, oversees the igns, costs and the coordinate ition construction and/or masterve as a lead worker provides	ion of new intenance activities.	Entry Qualifications  Bachelor's degree in civil engineering or civil engineering technology from an ABET accredited college or university AND Two years of related experience. Note: Professional Engineering (PE) license required.			
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP044	Civil Engineering 5	Supervisor	Supervisor	Officials and Administrators	SWD	М
plans, desi transporta Serves as l	nary  nimal supervision, oversees the signs, costs and the coordinate ition construction and/or made ead engineer in providing spee, training, and support.	ion of new intenance activities.	technology from a	in civil engineering or n ABET accredited coll ted experience. Note:	ege or universit	y AND
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP045	Civil Engineering Spv	Supervisor	Supervisor	Professionals	SWD	K
Job Summ	ary		Entry Qualification	ns		

# **Job Summary**

Supervises, guides, and/or instructs the work assignments of subordinate staff. Assists with engineering plans, designs, costs and the coordination of new transportation construction and/or maintenance activities.

Bachelor's degree in civil engineering or civil engineering technology from an ABET accredited college or university AND Two years of related experience. Note: Professional Engineer (PE) license required.

As of: 07/01/2018

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP090	Modeler 1	Professional	Professional	Professionals	SWD	J

#### **Job Summary**

Under supervision, applies knowledge of science or engineering in the use of mathematical models to simulate natural systems and to analyze the consequences of future conditions and management alternatives and to interpret the results.

## **Entry Qualifications**

Bachelor's degree in a science or engineering discipline with documented proof of experience/proficiency in mathematical modeling and quantitative analysis from an accredited college or university.

Job Code	Job Title	Function	<b>Sub Function</b>	EEO-4	Salary Plan	Grade
ETP091	Modeler 2	Professional	Professional	Professionals	SWD	K

#### **Job Summary**

Under general supervision, applies knowledge of science or engineering in the use of mathematical models to simulate natural systems and to analyze the consequences of future conditions and management alternatives and to interpret the results.

## **Entry Qualifications**

Bachelor's degree in a science or engineering discipline with documented proof of experience/proficiency in mathematical modeling and quantitative analysis or higher from an accredited college or university AND experience/ability to interpret/modify existing models as needed, and to formulate scenarios for model testing and evaluation.

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP092	Modeler 3	Professional	Professional	Professionals	SWD	L

### **Job Summary**

Under broad supervision, applies knowledge of science or engineering in the use of mathematical models to simulate natural systems and to analyze the consequences of future conditions and management alternatives and to interpret the results. May serve as lead worker.

### **Entry Qualifications**

Bachelor's degree in a science or engineering discipline with documented proof of experience/proficiency in mathematical modeling and quantitative analysis from an accredited college or university AND ability to interpret/modify existing models as needed and to formulate scenarios for model testing and evaluation.

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETP093	Modeler 4	Supervisor	Supervisor	Professionals	SWD	M

#### **Job Summary**

May supervise, guide and instruct the work assignments of staff or serve as lead/ subject matter expert (SME). Applies knowledge of science or engineering in the use of mathematical models to simulate natural systems and to analyze the consequences of future conditions and management alternatives and to interpret the results.

#### **Entry Qualifications**

Bachelor's degree in a science or engineering discipline with documented proof of experience/proficiency in mathematical modeling and quantitative analysis from an accredited college or university AND ability to interpret/modify existing models as needed and to formulate scenarios for model testing and evaluation AND experience in conducting research/evaluation of new or unfamiliar models for potential use in analyzing and support of planning objectives or of actions concerning specific resource characteristics as regulatory tools.

topographical and relief maps used in civil engineering

projects, such as highways, roads, bridges, flood control projects, complex building renovation, facility operations and other systems. Uses computer aided drafting and design and manual drafting techniques to prepare plans

As of: 07/01/2018

30B C	ouc catalog.	Linginicering		A3 01. 07/01/2010		
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETT010	Drafter 1	Technician	Technician/Uncertified	Technicians	SWD	Н
topograph projects, s	ect supervision, learns to lical and relief maps use uch as highways, roads, complex building renova	d in civil engineering bridges, flood control	Entry Qualifications Six months of experien drafting or mechanical	•	, ,	n school
Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETT011	Drafter 2	Technician	Technician/Uncertified	Technicians	SWD	1
Job Summ Under gen	ary eral supervision, prepar	res drawings and	<b>Entry Qualifications</b> One year of experience	at the lower lev	vel Drafter 1 (ETT	010) or

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETT012	Drafter 3	Technician	Technician/Uncertified	l Technicians	SWD	J

#### **Job Summary**

for projects.

Under broad supervision, responsible for the preparation of drawings and topographical and relief maps used in civil engineering projects, such as highways, roads, bridges, flood control projects, complex building renovation, facility operations and other systems. Uses computer aided drafting and design and manual drafting techniques to prepare plans for projects. May serve as lead worker and train lower level staff. May instruct less experienced drafters in CADD operation and preparation of basic plan elements.

# **Entry Qualifications**

position equivalent.

Two years of experience in drafting OR One year of experience at the lower level Drafter 2 (ETT011) or position equivalent.

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETT013	Drafter Spv	Supervisor	Supervisor	Technicians	SWD	K

#### **Job Summary**

Supervises, guides, and/or instructs the work assignments of subordinate staff. Responsible for the preparation of drawings and topographical and relief maps used in civil engineering projects, such as highways, roads, bridges, flood control projects, complex building renovation, facility operations and other systems. Uses computer aided drafting and design and manual drafting techniques to prepare plans for projects. May instruct less experienced drafters in CADD operation and preparation of basic plan elements.

## **Entry Qualifications**

Associate's degree in computer aided drafting or a related field from an accredited college or university OR Three years of experience in drafting OR One year of experience at the lower level Drafter 3 (ETT012) or position equivalent.

As of: 07/01/2018

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETT050	Electronics Tech 1	Technician	Technician/Certified	Technicians	SWD	F

#### **Job Summary**

Under direct supervision, provides electronic support and technical assistance to an agency. Lays out, builds, tests, troubleshoots, repairs, and modifies developmental and production electronic components. Applies principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing.

# **Entry Qualifications**

Bachelor's degree from an accredited college or university OR Vocational/Technical degree in electronics or specialized related area from an accredited college OR High school diploma or GED AND Two years of mechanical experience. Note: Some positions require valid driver's license.

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETT051	Electronics Tech 2	Technician	Technician/Uncertified	Technicians	SWD	G

#### **Job Summary**

Under general supervision, provides electronic support and technical assistance to an agency. Lays out, builds, tests, troubleshoots, repairs, and modifies developmental and production electronic components. Applies principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing.

### **Entry Qualifications**

Bachelor's degree from an accredited college or university AND One year of experience in the installation, repair and development of equipment OR Vocational/Technical degree in electronics or specialized related area from an accredited college AND Six months of related experience OR High school diploma or GED AND Three years of mechanical experience. Note: Some positions require valid driver's license.

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETT052	Electronics Tech 3	Technician	Technician/Certified	Technicians	SWD	Н

#### **Job Summary**

Under broad supervision, provides electronic support and technical assistance to an agency. Lays out, builds, tests, troubleshoots, repairs, and modifies developmental and production electronic components. Applies principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing. May serve as lead worker.

#### **Entry Qualifications**

Bachelor's degree from an accredited college or university AND Two years of experience in the installation, repair, and development of equipment from an OR Vocational/Technical degree in electronics or in a specialized related area from an accredited college AND One year of experience OR High school diploma or GED AND Four years of mechanical experience. Note: Some positions require valid driver's license.

Job Code	Job Title	Function	Sub Function	EEO-4	Salary Plan	Grade
ETT053	Electronics Tech Spv	Supervisor	Supervisor	Technicians	SWD	I

#### **Job Summary**

Supervises, guides, and/or instructs the work assignments of subordinate staff. Provides electronic support and technical assistance to an agency. Lays out, builds, tests, troubleshoots, repairs, and modifies developmental and production electronic components. Applies principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing.

# **Entry Qualifications**

Bachelor's degree from an accredited college or university AND Three years of experience in the installation, repair, and development of equipment OR Vocational/Technical degree in electronics or in a specialized related area from an accredited college AND Two years of experience OR High school diploma or GED AND Five years of mechanical experience. Note: Some positions require valid driver's license.