



Position Qualification for Infrastructure Systems
Public Works

CIVIL ENGINEER

RESOURCE CATEGORY	Public Works
RESOURCE KIND	Personnel
OVERALL FUNCTION	The Civil Engineer provides general engineering support.
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. This position can be ordered as a single resource. 2. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation and meals, prior to deployment.

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	SINGLE TYPE	NOTES
DESCRIPTION	The Civil Engineer provides general engineering support during emergency response and recovery operations	Not Specified
EDUCATION	Bachelor's degree in civil, mechanical or structural engineering or an equivalent public works-related field	Not Specified
TRAINING	Completion of the following: <ol style="list-style-type: none"> 1. IS-100: Introduction to the Incident Command System, ICS-100 2. IS-200: Basic Incident Command System for Initial Response, ICS-200 3. IS-700: National Incident Management System, An Introduction 4. IS-800: National Response Framework, An Introduction 	Not Specified
EXPERIENCE	One year of professional engineering experience following Professional Engineer (PE) licensure	Not Specified
PHYSICAL/MEDICAL FITNESS	<ol style="list-style-type: none"> 1. Moderate 2. Is able to work while wearing appropriate Personal Protective Equipment (PPE) 	<ol style="list-style-type: none"> 1. The National Incident Management System (NIMS) Guideline for the National Qualification System (NQS) defines physical/medical fitness levels for NIMS positions. 2. PPE is mission specific and may vary by work environment; it includes hard hats, safety-toe boots, reflective vests, eye and ear protection, respirators, gloves and masks.
CURRENCY	Currently works in this position in a municipal, county, state, tribal or territorial public works or engineering department	Not Specified
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	PE	Not Specified



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NOTES

Nationally typed resources represent the minimum criteria for the associated category.

REFERENCES

1. FEMA, National Incident Management System (NIMS), October 2017
2. FEMA, NIMS Guideline for the National Qualification System (NQS), November 2017
3. FEMA, National Response Framework, October 2019