

**KENNEWICK IRRIGATION DISTRICT
JOB DESCRIPTION**

SUMMER ENGINEERING INTERN

REPORTS TO: KID Engineering and Operations Manager
DATE: June 2013
DURATION: This is a full time position for a three (3) month period per calendar year.

GENERAL SUMMARY: Provides engineering intern technical support for a variety of technical field and office assignments under the supervision of the engineering department staff. Primary areas of responsibility consist of assisting engineering department staff with: AUTOCAD mapping and design drawings, engineering calculations, data compilation and verification, GPS and GIS related work, construction records and drawings, surveying, and any other duties as assigned. Candidate must be able to complete assigned tasks in an efficient and organized manner.

EDUCATION AND EXPERIENCE: High School diploma required. Engineering or technical training or experience in irrigation district operations preferred. AUTOCAD, Word, Excel, GPS, GIS, underground utility construction, and surveying experience preferred. Enrollment in a college or university technical or science based curriculum is required.

KNOWLEDGE, ABILITIES AND/OR SKILLS: Needs good interpersonal skills, math skills, and knowledge of engineering and construction practices desired. Must have the ability to communicate effectively both verbally and in written form, meet deadlines and work independently, and effectively handle multiple projects at once. Must be attentive to details and interpret engineering plans. Must have the ability to establish and maintain effective working relationships with KID staff and the public. Candidate must have a current Washington state drivers license and be insurable through the KID insurance carrier to operate KID vehicles.

WORKING CONDITIONS:


1. This position is normally indoors, however, position requirements may require working outdoors for extended period of time in all weather conditions.
2. Heavy lifting and pulling up to 80 lbs., standing, kneeling, sitting, crawling, bending, stooping and twisting on a continuous basis

Job Analysis

	N	S	O	F	C	Notes
Climbing		X				Over pipes, down/up metal or wood stairs
Balancing		X				On uneven ground, on ladder
Stooping/Bending		X				On uneven ground; check meter reads, adjusting gates; logging equip. checks; installing check boards.
Twisting Squatting/Kneeling		X				On uneven ground, paved/unpaved
Crawling		X				Over under pipes, motors, weir boxes
Foot Controls			X			Vehicle, equipment
Lifting		X				Vault lids, small motors, hoses,
Reaching Forward		X				Open door,
Reaching Level		X				
Reaching Below Waist	X					
Reaching Above Shoulder		X				Priming Pumps; Changing light bulb;
Handle/Grasp			X			Carry equipment
Fine Finger Manipulation					X	Computer Keyboard
Hand Controls		X				Vehicle
Repetitive Motion				X		Typing
Vibratory Tasks	X		X			
Pulling	X					
Talking		X				With customers, peers
Hearing					X	With customers, peers
Visual					X	Light, dark, twilight, inside/outside; peering in; checking mirrors; looking for hazards
Environmental Conditions						
Exposure to Weather			X			Position May work outside
Extreme Cold	X					
Extreme Heat		X				When outside
Wet and or Humidity			X			When outside
Proximity to moving mechanical parts	X					
Noise Intensity – Loud			X			
Exposure to Heights			X			
Exposure to Electricity		X				

	N	S	O	F	C	Notes
Exposure to Toxic/Caustic Chemicals	X		X			
Exposure to Radiation	X					
Other						

Key: N = Never
 S = Seldom
 O = Occasional
 F = Frequent
 C = Constant

Approved: 
 Charles Freeman, District Manager

Date: June 3, 2013