



# **STUDY GUIDE**

# **RIGHT OF WAY EQUIPMENT**

# **OPERATOR 3**

**TEST #2815**

## INTRODUCTION

The **2815 Right of Way Equipment Operator 3** Test is a job knowledge test designed to cover the major knowledge areas necessary to perform the job. This Guide contains strategies to use for taking tests and a study outline, which includes knowledge categories, major job activities, and study references.

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## TEST SESSION

It is important that you follow the directions of the Test Administrator exactly. If you have any questions about the testing session, be sure to ask the Test Administrator before the testing begins. During testing, you may NOT leave the room, talk, smoke, eat, or drink. Since some tests take several hours, you should consider these factors before the test begins.

**All cellular/mobile phones, pagers or other electronic equipment will NOT be allowed in the testing area.**

All questions on this test are multiple-choice or hot spot questions. Multiple choice questions have four possible answers. Hot spot questions have a picture, and you must click the correct spot on the picture to answer the question. All knowledge tests will be taken on the computer. For more information on this, please see the next section of this study guide on *Computer Based Testing*.

**The test has a three hour time limit. A scientific calculator will be provided for you to use during the test. The calculator provided during the test session will be one of these models:**

Casio fx-250HC, Texas Instruments TI-30XA, Texas Instruments TI-36X

**You will NOT be able to bring or use your own calculator during testing.**

You will receive a Test Comment form so that you can make comments about test questions. Write any comments you have and turn it in with your test when you are done.

## INFORMATION GUIDE FEEDBACK

At the end of this Guide you have been provided with an Information Guide Feedback page. If a procedure or policy has changed, making any part of this Guide incorrect, your feedback would be appreciated so that corrections can be made.

## TEST TAKING STRATEGIES

### INTRODUCTION

The 2815 Right of Way Equipment Operator 3 Test contains multiple-choice questions and may also contain hot spot questions. The purpose of this section is to help you to identify some special features of a multiple-choice test and to suggest techniques for you to use when taking one.

Your emotional and physical state during the test may determine whether you are prepared to do your best. The following list provides common sense techniques you can use before the test begins.

### CONFIDENCE

If you feel confident about passing the test, you may lose some of your anxiety. Think of the test as a way of demonstrating how much you know, the skills you can apply, the problems you can solve, and your good judgment capabilities.

### PUNCTUALITY

Arrive early enough to feel relaxed and comfortable before the test begins.

### CONCENTRATION

Try to block out all distractions and concentrate only on the test. You will not only finish faster but you will reduce your chances of making careless mistakes. If possible, select a seat away from others who might be distracting. If lighting in the room is poor, sit under a light fixture. If the test room becomes noisy or there are other distractions or irregularities, mention them to the Test Administrator immediately.

### BUDGET YOUR TIMES

Pace yourself carefully to ensure that you will have enough time to complete all items and review your answers.

### READ CRITICALLY

Read all directions and questions carefully. Even though the first or second answer choice looks good, be sure to read all the choices before selecting your answer.

### MAKE EDUCATED GUESSES

Make an educated guess if you do not know the answer or if you are unsure of it.

## CHANGING ANSWERS

If you need to change an answer when testing on a computer, be sure that the new answer is selected instead of the old one.

## RETURN TO DIFFICULT QUESTIONS

If particular questions seem difficult to understand, make a note of them, continue with the test and return to them later.

## DOUBLE CHECK MATH CALCULATIONS

Use scratch paper to double check your mathematical calculations.

## REVIEW

If time permits, review your answers. Do the questions you skipped previously. When testing on a computer, make sure each multiple-choice question has a dot next to the correct answer.

Remember the techniques described in this section are only suggestions. You should follow the test taking methods that work best for you.

## **JOB KNOWLEDGE CATEGORIES AND STUDY REFERENCES**

Below are the major job knowledge areas (topics) covered on the **2815 Right of Way Equipment Operator 3 Test** and the associated study references. Listed next to each knowledge category is the number of items on the exam that will measure that topic. You can use this information to guide your studying. Some exams also contain additional pretest items. Pretest items will appear just like all of the other items on your exam, but they will not affect your score. They are an essential part of ensuring the **2815 Right of Way Heavy Equipment Operator 3 Test** remains relevant to successful performance of the job.

There is a total of 86 items on the **2815 Right of Way Equipment Operator 3 Test** and the passing score is 70%. This score was determined during the test validation process.

### **EQUIPMENT OPERATIONS (43 ITEMS)**

Knowledge of maintaining and operating construction vehicles and equipment (grader, backhoe, dozer, paddle scraper, excavator, dump truck, water truck, loader, and skid steer) for SCE access road maintenance, including use of attachments such as rippers, buckets, blades, hammers, and compactors.

### **JOB PREPARATION (15 ITEMS)**

Knowledge of proper placement of water breaks and overside drains to maintain road integrity and ensure positive waterflow; knowledge of the use and purpose of common power and hand tools such as drills, saws, grinders, generators, pumps, and tampers; and the ability to perform basic math calculations, including working with decimals, fractions, and conversions.

### **RULES, STANDARDS, AND REGULATIONS (8 ITEMS)**

Knowledge of general governmental rules, regulations, procedures, and standards governing transportation, including rigging of structural materials and construction equipment.

### **SAFETY (20 ITEMS)**

Knowledge of Accident Prevention Rules, general Safe Work Practices (OSHA), First Aid procedures, and the proper use of PPE and related safety equipment—including footwear, hard hats, hearing protection, gloves, markers, flags, stakes, and traffic delineators—along with the ability to work skillfully and safely when operating equipment and collaborating with others, and to make sound decisions in determining the safest and most effective approach to equipment operation.

### **References**

Heavy Equipment Operations Level 3, Trainee Guide, Pearson - Prentice Hall; Second Edition (2005). ISBN: 013228197X

## Sample Questions

The following sample questions should give you some idea of the form the test will take.

**1. In grading operation, a guinea hopper is responsible for:**

- a. setting the grade hubs.
- b. directing the trucks that are dumping the material to be spread.
- c. cleaning the hubs as the blade passes over them.
- d. directing the entire grading operation.

**2. When rock base is being spread with a backhoe, excessive blading should be avoided because it may cause:**

- a. a pumping condition.
- b. the fine materials to separate and rise to the top.
- c. the larger rock to separate.
- d. the material to dry out.

**3. Why is it good practice to overfill a fill slope slightly?**

- a. Fill stakes are usually not very accurate.
- b. It allows for compaction.
- c. It allows for error when the first sloping passes are made.
- d. Weather conditions may cause erosion during construction.

**4. In most cases when asphalt is thicker than four inches, what piece of equipment is best suited to cut and remove the asphalt?**

- a. Backhoe.
- b. Paddle wheel scraper.
- c. Track loader.
- d. Rubber tire loader.



## Sample Question Answers

1. C
2. C
3. B
4. C



## **STUDY GUIDE FEEDBACK**

Please use this page to notify us of any changes in policies, procedures, or materials affecting this guide. Once completed, return to:

Southern California Edison Human Resources - Performance Assessment Services G.O. 4, Ground Floor 8631 Rush St. Rosemead, CA 91770

### **2815 Right of Way Equipment Operator 3 Test**

If you have encountered any discrepancies in the test, please provide an explanation and the page number below.

#### **COMMENTS**