

U. S. Department of Labor

Employment and Training Administration  
Office of Apprenticeship  
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January 10, 2008

Don Davis  
LA County Electrical JATC & Training Fund  
6023 South Garfield Road  
City of Industry, CA 90040

Dear Mr. Davis:

Per my email, this letter serves as an official response that your additional occupations of Electrical, Residential Wireman; Street Light Servicer; and Telecommunications Technician have been approved. The data has been entered into RAPIDS and you may begin indenturing apprentices.

Thank you for your interest in apprenticeship and please feel free to contact our office should you need any further assistance.

Sincerely,

Michael W. Longeuay  
Regional Director

## Appendix B

**OCCUPATION SCHEDULE FOR: (ELECTRICIAN, INTELLIGENT TRANSPORTATION SYSTEMS) Street Light Servicer**

**DOT CODE: DOT 824.381 010**

**O\*NET/SOC CODE: 47-2111.00**

**RAIS CODE: 0545**

### **1 TERM OF APPRENTICESHIP**

The term of apprenticeship shall be 7,200 hours consisting of eight (8) periods within approximately 48 months. The first 1,800 hours extending over not more than 12 months, shall be trial or probationary period.

### **2 RATIO OF APPRENTICES TO JOURNEYWORKERS**

Each employer shall be allowed a ratio of one first-year apprentice to one apprentice to one Journey-level person on any job or in any shop as shown below:

1 journeyman	1 apprentice	
1 journeyman	1 apprentice	1 First year apprentice*
2 journeyman	2 apprentices	1 First year apprentice*
2 journeyman	2 apprentices	2 First year apprentices*
3 journeyman	3 apprentices	2 First year apprentices*
3 journeyman	3 apprentices	3 First year apprentices*

\* Denotes apprentice in his/her probationary period (1st or 2nd period)

### **3 APPRENTICE WAGE SCHEDULE – Effective date: November 28, 2006**

1st	Period	(40%)	\$ 13.56
2nd	Period	(45%)	\$ 15.26
3rd	Period	(50%)	\$ 16.95
4th	Period	(55%)	\$ 18.65
5th	Period	(60%)	\$ 20.34
6th	Period	(65%)	\$ 22.04
7th	Period	(75%)	\$ 25.43
8th	Period	(85%)	\$ 28.82
	Transportation Journeyman		\$ 33.90

a Straight time hours: 8 hours per day, 40 hours per week.

- b. Overtime provision:  
Time worked in excess of eight (8) hours per day and on Saturday will be paid at time and one-half; except any work on Sunday and the holidays listed below shall be paid at double the straight time rate of pay.

New Year's Day	Veterans Day (November 11)
Memorial Day (Last Monday in May)	Thanksgiving Day
Fourth of July	Day After Thanksgiving
Labor Day	Christmas Day

Martin Luther King, Jr. Day (third Monday in January), and Cesar Chavez Day (March 31 or the closest Monday or Friday to each March 31) will normally be non-scheduled work days. If, however, it is necessary, due to job scheduling, to work on these days, the straight time rate of pay will be applicable.

- d. Fringe Benefits – Effective date: July 30, 2007

	Employer Contribution		Employee Contribution	
1. Pension	\$8.80	*	-	*
2. Health	\$6.64	*	-	*
3. Training Fund	.46	*	-	*
4. Labor/Management	.20	*	.10	*
5. NEBF	3%	*	-	*
6. NEIF (Where applicable)	1%	*	-	*

#### 4 SCHEDULE OF WORK PROCESSES

The major work processes in which apprentices will be trained (although not necessarily in the order listed) and the approximate hours (not necessarily continuous) to be spent on each are as follows:

<u>WORK PROCESSES</u>	<u>APPROXIMATE TIME</u>
<b>STREET LIGHTING SYSTEMS</b> Installation, modification, removal of all street Lighting systems to owner plan and specification. Any and all work required to install and maintain new Or existing systems	1,300
<b>TRAFFIC SIGNAL ELECTRICAL AND COMMUNICATION SYSTEMS</b> Installation, modification, removal of all traffic signal Systems to owner's plans and specification. Any and all work required to install and maintain New or existing traffic signal electrical and communication Systems	3,600

## **FREEWAY ELECTRICAL AND COMMUNICATION SYSTEMS**

Installation, modification, removal of all freeway, electrical or communication systems to owners plans and specification. Any and all work required to install and maintain new or Existing freeway electrical or communication systems 1,300

## **SPECIALIZED SYSTEMS**

Installation, modification, removal of all fiber optic video Systems, fiber optic data systems, direct interconnect and Communication systems, microwave data & video systems, Microwave detection systems, infra red and sonic detection Systems, solar power systems, highway advisory radio systems, Highway weight and motion systems, and any and all work required to install and maintain specialized systems. 1,000

**TOTAL: 7,200 hours**

The employer shall see that all apprentices are under the supervision of a qualified Journeyman or instructor, and shall provide the necessary diversified experience and training in order to train and develop the apprentice into a skilled worker proficient in all work processes of a Communication System Installer (trade, craft, or occupation) as outlined herein. Apprentices shall also be trained in the use of new equipment, materials and processes as they come into use in the occupation.

## **5 SCHEDULE OF RELATED INSTRUCTION**

Topics to be studied (completed) as part of the required NJATC curriculum shall include, but not be limited to:

### **FIRST YEAR – 160 HOURS MIN.**

- Baskets, Aerial Lifts, and Platforms
- Blueprint Reading
- Communication Skills
- Conduit Bending
- Electrical Theory
- Electrical Components
- Electrical Test Equipment
- Flagging, Signs, and Barricades
- Hand Signals
- Industry Orientation
- Job Information
- Mathematics
- MUTCD
- National Electrical Code
- OSHA/Safety Awareness
- Rigging
- Safety & Health Awareness
- Tool Identification
- Traffic Signal Fundamentals

**SECOND YEAR – 160 HOURS MIN.**

- Blueprint Reading
- Concrete
- Electrical Theory
- Fiber Optics
- Grounding
- Industry Orientation
- Job Information
- Loops and Opticom
- National Electrical Code
- OSHA/Safety Awareness
- Street Lighting Fundamentals
- Test Equipment
- Traffic Signal Fundamentals - Advanced

**THIRD YEAR – 160 HOURS MIN.**

- Blueprint Reading - Advanced
- California Standard Specifications
- Codeology
- Electrical Theory
- Fiber Optics
- Industry Orientation
- Job Information
- National Electrical Code
- OSHA/Safety Awareness
- Street Lighting Fundamentals - Advanced
- Test Equipment
- Traffic Signal Fundamentals – Advanced

**FORTH YEAR – 160 HOURS MIN.**

- Automated Traffic Surveillance and Control (ATSAC)
- Blueprint Reading - Advanced
- California Standard Specifications
- Codeology
- Electrical Theory
- Fiber Optics
- Foremanship
- Industry Orientation
- Job Information
- Job Coordination and Planning
- National Electrical Code
- OSHA/Safety Awareness
- Street Lighting Fundamentals – Advanced
- Solar Power
- Test Equipment
- Traffic Signal Fundamentals – Advanced
- Video Equipment

There shall be a minimum of eight (8) periods of apprenticeship. The first eighteen hundred (1,800) OJT hours and satisfactory completion of the first year related classroom training shall constitute the probationary period. Successive periods will require the indicated OJT hours and successful completion of related classroom instruction.

The eight (8) periods are as follow:

1	0 – 900	1 <sup>st</sup> semester	Successful completion
2	901 – 1800	2 <sup>nd</sup> semester	Successful completion
3	1801 – 2700	3 <sup>rd</sup> semester	Successful completion
4	2701 – 3600	4 <sup>th</sup> semester	Successful completion
5	3601 – 4500	5 <sup>th</sup> semester	Successful completion
6	4501 – 5400	6 <sup>th</sup> semester	Successful completion
7	5401 – 6300	7 <sup>th</sup> semester	Successful completion
8	6301 – 7200	8 <sup>th</sup> semester	Successful completion