

Date: June 5, 2009  
Project: Lee Vining Airport  
Runway Reconstruction  
AIP No. 3-06-0119-06  
From: PBS&J  
RE: Addendum No. 1

This Addendum is being faxed to you. You must acknowledge receipt of this Addendum by completing the certificate below:

“I acknowledge receipt of the attached Addendum No. 1 consisting of thirty-four (34) pages, not including this page. I have reviewed the Addendum and all pages are included and the Addendum is legible.”

Date: \_\_\_\_\_

Bidder's Company Name and Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature and Title: \_\_\_\_\_

Return a copy of this acknowledgment by **faxing** prior to the bid opening on June 11, 2009 to:

**PBS&J**  
555 Double Eagle Court, Suite 2000  
Reno, NV 89521  
Phone 775-828-1622  
**Fax 775-828-1826**

**ADDENDUM No. 1**

Date: June 5, 2009

Project: Lee Vining Airport  
Runway Reconstruction  
AIP No. 3-06-0119-06

For Bids Due: 10:30 a.m. June 11, 2009

Owner: Mono County Public Works Department  
PO Box 457  
74 North School Street  
Bridgeport, CA 93517

Prepared By: PBS&J  
555 Double Eagle Court, Suite 2000  
Reno, Nevada 89521

THE BIDDER SHALL EXECUTE THIS CERTIFICATION HEREUNDER AND SHALL ATTACH THE ADDENDUM TO THE BID PROPOSAL FORM SUBMITTED WITH THE BID.

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**BIDDER'S CERTIFICATE**

I acknowledge receipt of the following Addendum No. 1 and accept all conditions contained herein.

Date: \_\_\_\_\_

Bidder's Company Name and Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature and Title: \_\_\_\_\_

The following revisions shall apply and be incorporated into the Contract Documents and Technical

Specifications and the Plans for the above referenced project:

1. The bid opening for this project has been changed from Tuesday, June 9, 2009 to Thursday, June 11, 2009. The time and location of the opening will remain the same. All references to June 9, 2009 in the Project Manual shall be changed to June 11, 2009.
2. Since the bid opening for this project has been moved, the protest period has also been changed on Page IB-5 to 5:00 p.m., Monday, June 15, 2009. Remove the existing page IB-5 and replace it with the attached page IB-5.
3. Delete detail J/19 from sheet 19 of the project plans. Retroreflective markers shall meet the requirements of FAA Advisory Circular AC 150/5345-39C for Type II, L-853 markers and conform to Technical Specification L-131, Retroreflective Markers, in the Project Manual. Remove the existing sheet 19 of the project plans and replace it with the attached sheet 19.
4. Delete references to detail J/19 on sheet 15 of the plans. Remove the existing sheet 15 of the project plans and replace it with the attached sheet 15.
5. The materials section of Technical Specification L-131, Retroreflective Markers, has been modified to eliminate the material requirements for the markers. Remove the existing page L-131-1 and replace it with the attached page L-131-1.
6. The Contractor shall be required to lower a portion of an existing dirt road along fence line to the south of Runway 33 as shown on the attached Exhibit A. The work required for grading the dirt road includes clearing & grubbing and unclassified excavation & embankment and shall conform to the applicable technical specifications P-151 and P-152. Payment for this work shall be considered lump sum and a bid item for this work has been added to the bid schedule on page BD-3. Remove the existing page BD-3 and replace it with the attached page BD-3. Technical Specification P-152 has also been modified to include this bid item. Remove the existing page P-152-6 and replace it with the attached page P-152-6.
7. The Davis-Bacon Federal Wage Rates for Mono County, California dated February 27, 2009 were revised on May 1, 2009. Remove the existing federal wage rate pages between page SP-10 and SP-11 (22 total pages) and replace with the attached wage rate pages (15 total pages).
8. In Table 1: Table of Testing Requirements, on page SP-33, the minimum frequency required for three tests (Asphalt Content, Aggregate Gradation, and Moisture Content) has been revised to only require a certain number of tests per lot instead of per subplot. Remove the existing page SP-33 and replace it with the attached page SP-33.
9. The definition of a lot on pages P-401S-14, P-401S-18, and P-401S-19 have been changed from 2,000 square yards to 2,000 tons. Remove the existing pages P-401S-14, P-401S-18, and P-401S-19 and replace them with the attached pages P-401S-14, P-401S-18, and P-401S-19.
10. Detail 1, Electrical Lighting Ladder Diagram, on sheet E3.8 of the plans has been changed to require the installation of a new photocell instead of using an existing photocell. Remove the existing sheet E3.8 of the plans and replace it with the attached sheet E3.8.
11. Detail 2, PAPI Control Diagram, on sheet E4.3 of the plans has been changed to require the PAPI's to be visible during the daytime and only operating by pilot control during the night. Remove the existing sheet E4.3 of the plans and replace with the attached sheet E4.3. Paragraph 881-4.6 on page L-881-9 of Technical Specification L-881 has been modified to reflect the change in PAPI design. Remove the existing page L-881-9 and replace it with the attached page L-881-9.

The following is for you information:

1. Mono County will submit a Notice of Intent (NOI) to the California Regional Water Quality Control Board, Lahontan Region for their review. The Contractor shall prepare a Storm Water Pollution Prevention Plan (SWPPP), complete the application, and provide CRWQCB additional erosion mitigation, if necessary, to meet NPDES and CRWQCB requirements for erosion control due to construction activities.
2. Mono County will submit an air application (Authority to Construct) to the Great Basin Unified Air Pollution Control District for their review. The Contractor shall complete the application and provide additional air pollution mitigation, if necessary, to meet local and state requirements for air pollution prevention.
3. Water is available for this project through the Lee Vining Public Utility District (#760-647-0047) at a cost of \$5.00 per 1000 gallons. The Contractor will not be required to install a meter.
4. The Contractor will need to contact the Lee Vining Fire Department (#760-647-6400) in order to determine if burning the debris resulting from the clearing and grubbing operations is acceptable.
5. The debris resulting from the clearing and grubbing operations shall be hauled offsite if the Contractor chooses to not burn the debris or does not receive a burning permit. The nearest location for dumping the material is the Pumice Valley Landfill and more information can be found by calling Mono County at (#760-932-5441). See the attached Gate Fee Summary for costs associate with dumping at Pumice Valley.
6. Attached is the sign-in sheet from the mandatory Pre-Bid Meeting on May 29, 2009.

**END OF ADDENDUM No. 1**

invited to attend. Any bids received after the bid-submission deadline will be returned to the bidder unopened.

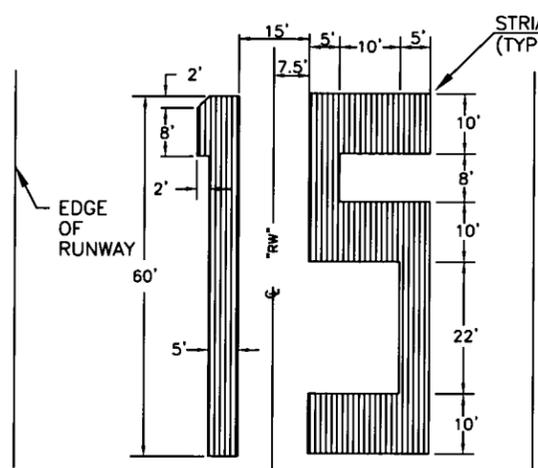
#### 10. AWARD OR REJECTION OF BIDS

- A. If the County chooses to award a contract for the Project, it will be awarded to the lowest responsible bidder who has submitted the lowest bid that complies with and is responsive to these Instructions to Bidders and the advertised Invitation for Bids, provided the bid is reasonable and it is in the interest of the County to accept it. The amount the County will use to compare bids and determine the apparent low bidder will be the sum of the bidder's base bid plus the amounts bid for all alternate items, which sum shall appear as bidder's "Grand Total" on page BD-13.
- B. All bids will be compared on the basis of the Engineer's estimate of the quantities of work to be performed. The bid proposal includes additive alternate items. There is limited funding available for this project and therefore, the Owner will award the Contract for the base bid plus the additive alternative(s) that fit within the available funding. The Owner reserves the right for which alternative will be chosen for construction. In the event of a discrepancy between the numeric total bid written and the numeric total bid calculated, the bid amount calculated by multiplying each item quantity by the unit price and then adding each item of the proposal shall prevail.
- C. The County reserves the right to reject any and all bid proposals and to reject the bid of any bidder who has previously failed to perform properly or to complete, on time, contracts with the County of a nature similar to this project. The County further reserves the right to waive any informality or irregularity in any bid.
- D. The County also reserves the right to deduct any or all alternate items and unit prices called for on the Bid Schedule from the contract. The order of listing of alternates on the Bid Schedule shall in no way indicate their importance or the order in which the items may be accepted.
- E. Contract award, if made, is anticipated to occur within two weeks after the date of bid opening but could, however, occur up to 60 days after said date. In such an event, all bidders will be notified in writing that additional time will be required. No bid can be withdrawn during that period unless such withdrawal is authorized under the Public Contract Code and without subjecting the bid security to retention by the County. Mono County assumes no responsibility for any costs the Bidder may incur, regardless of whether or not a contract is awarded.

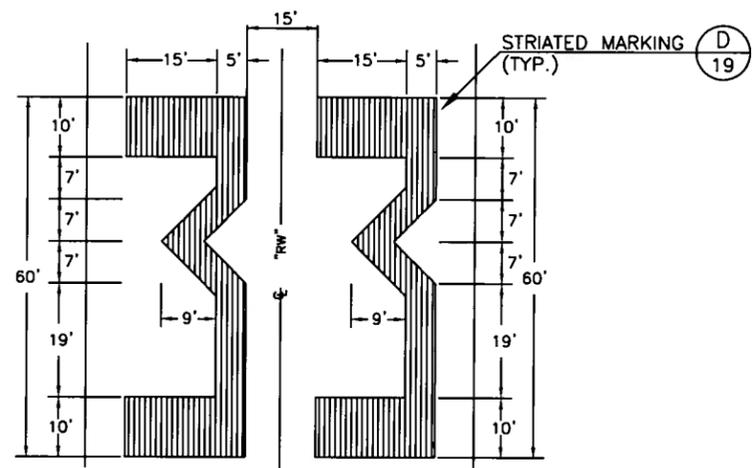
#### 11. IDENTIFICATION OF APPARENT LOW BID / BID PROTESTS

After all bids are opened and publicly announced, Public Works personnel will review the bids and then produce a tabulation of bids which will identify the apparent low bid. This tabulation will be distributed to all bidders. A bid protest period shall commence immediately upon distribution of the bid tabulation, during which time any interested person or entity may file a protest in accordance with the directions below with respect to that apparent low bid, or to any other bid submitted, and/or with respect to the qualifications or responsibility of the apparent low bidder, or of any other bidder. This bid protest period shall expire at **5:00 pm, Monday, June 15, 2009**.

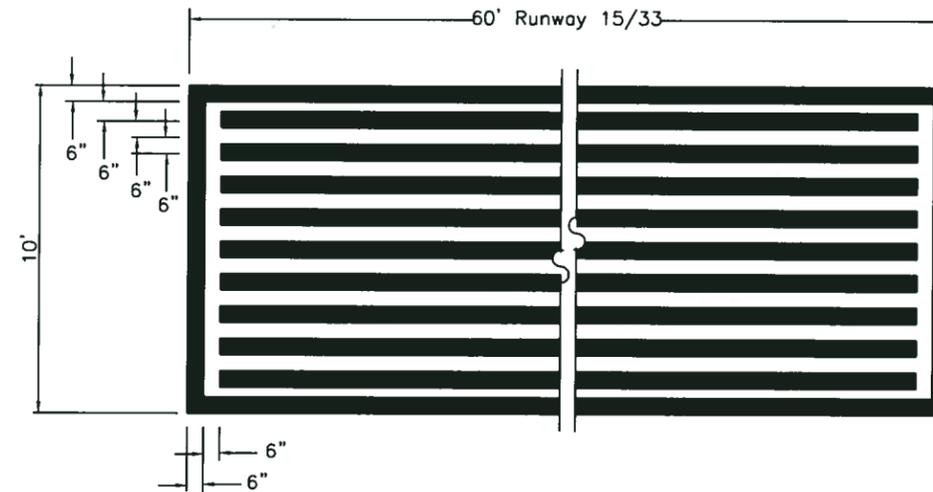
After expiration of the bid protest period, the County may, in its discretion: 1) award a contract notwithstanding the filing of a bid protest; 2) refrain from awarding a contract pending resolution of any or all bid protests; or, 3) otherwise proceed as it deems appropriate, including without limit rejecting all bids received. To be considered, a bid protest must: 1) be in writing, identify the person or entity making the protest, and specify the nature of the protest; 2) be **received** by Public Works before the bid protest deadline by mail to Post Office Box 457, Bridgeport, California, 93517, or by hand-delivery to 74 North School Street, Bridgeport, or by facsimile (fax) to 760.932.5441, or by email to [monopw@mono.ca.gov](mailto:monopw@mono.ca.gov). The protest procedure described herein must be pursued and exhausted before any person or entity may commence litigation against the County of Mono, or any of its



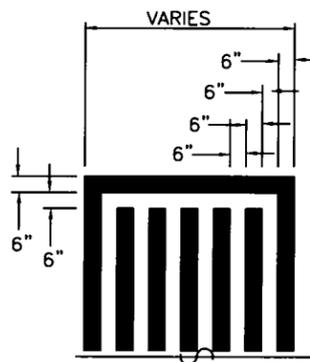
RUNWAY 15 NUMERALS (A) N.T.S. 19



RUNWAY 33 NUMERALS (B) N.T.S. 19



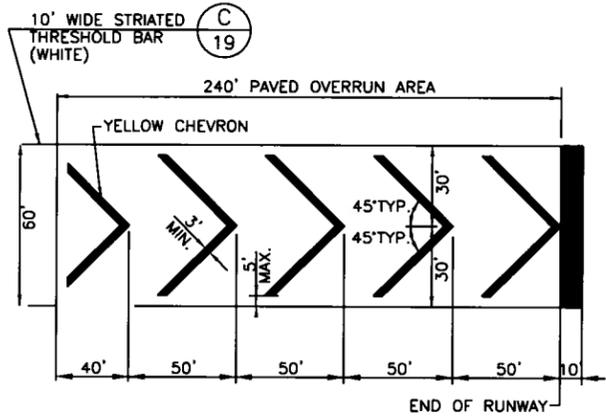
STRIATED THRESHOLD MARKING (C) N.T.S. 19



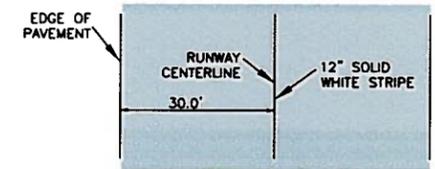
STRIATED MARKING (D) N.T.S. 19

NOTES:

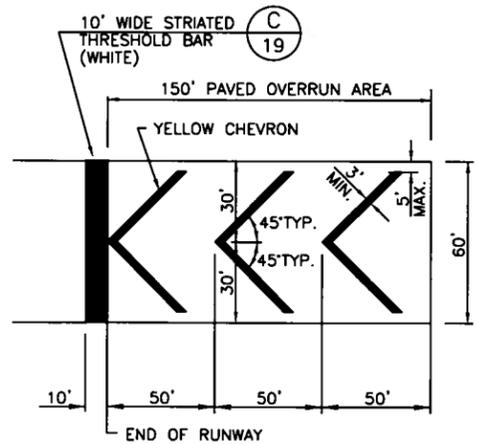
1. STRIATED MARKING IS AS SHOWN WITH ALL STRIPES AND SPACES TO BE AN EQUAL WIDTH OF 6 INCHES.
2. THE RUNWAY NUMERALS (SEE DETAILS A-19 AND B-19) SHALL BE STRIATED AS SHOWN KEEPING THE STRIATIONS PARALLEL TO THE RUNWAY CENTERLINE.
3. USE A 6 INCH OUTLINING BORDER AROUND ALL NUMERALS.



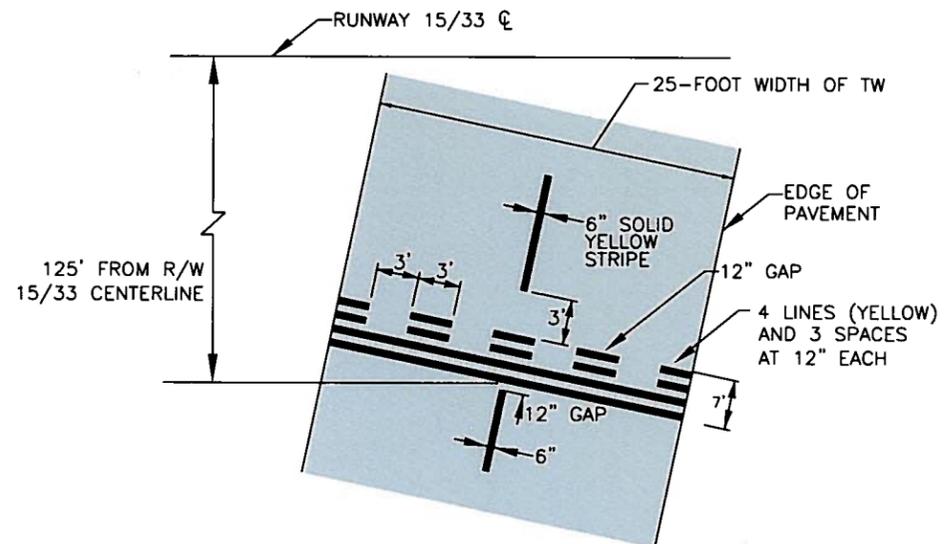
RUNWAY 15 CHEVRONS (E) N.T.S. 19



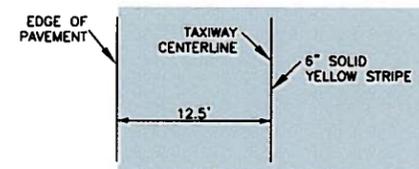
RUNWAY CENTERLINE MARKING (H) N.T.S. 19



RUNWAY 33 CHEVRONS (F) N.T.S. 19



HOLDING POSITION MARKING (G) N.T.S. 19



TAXIWAY CENTERLINE MARKING (I) N.T.S. 19



SCALE	N.T.S.
DESIGN BY	JWC
DRAWN BY	KMB
CHECKED BY	JWC
DATE	06/09
PROJECT NUMBER	05B712110

LEE VINING AIRPORT  
RUNWAY RECONSTRUCTION  
STRIPING DETAILS

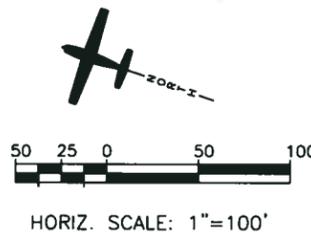
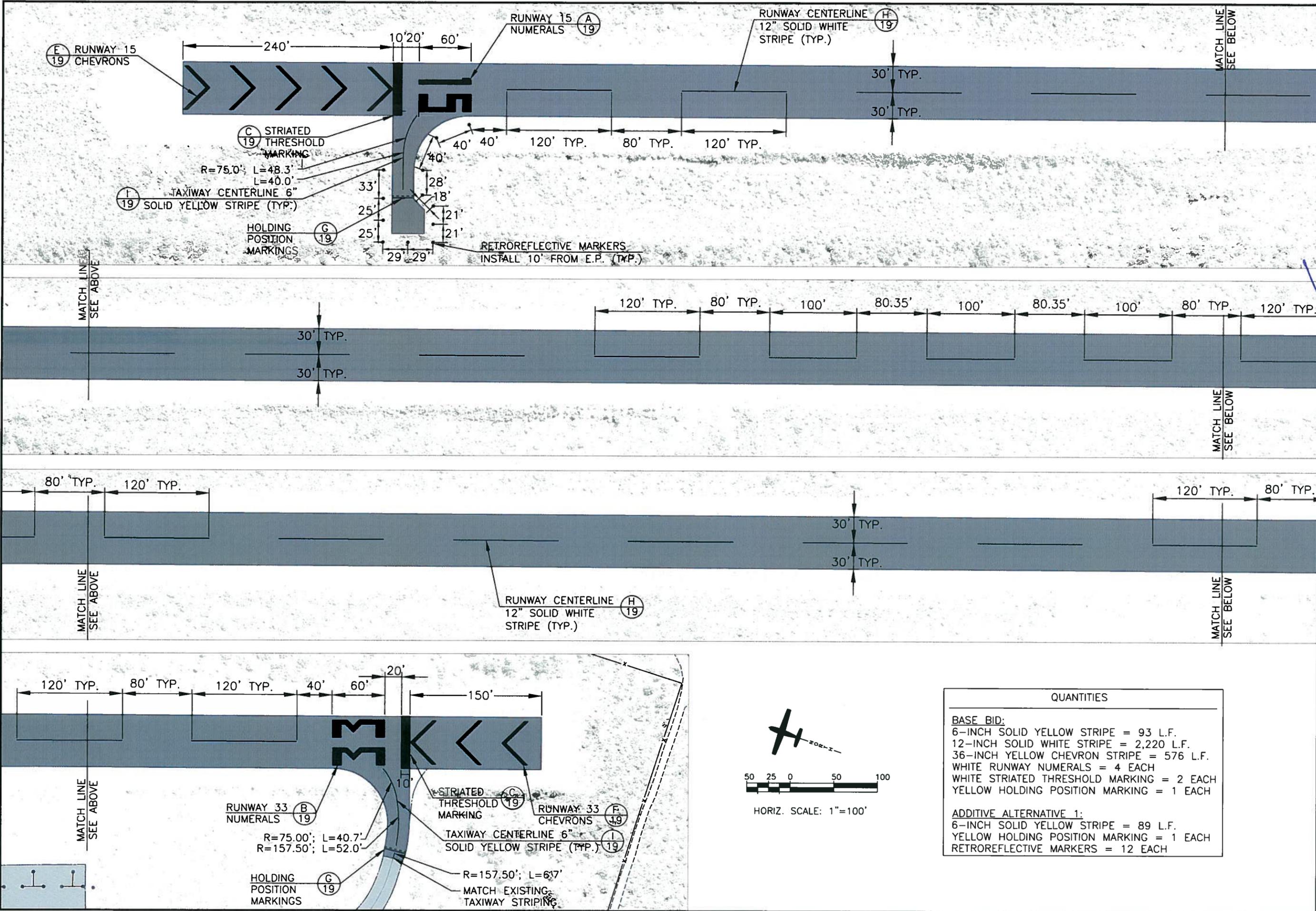
888 Double Eagle Court  
Suite 2000  
Reno, Nevada, 89521-1622  
Phone: 775/726-1826  
Fax: 775/726-1826

**PBS**  
ENGINEERING PLANNING SURVEYING CONSTRUCTION SERVICES

X:\Mono County Airports\Lee Vining\Cadd\Runway Reconstruction\Sheets\Construction Set\17-20 Details.dwg  
Jun 05, 2009 - 11:57 am

6-5-09

X:\Mono County Airports\Lee Vining\Cadd\Runway Reconstruction\Sheets\03-15 P&P, Striping & Drainage\_recover\_recover.dwg  
 Jun 05, 2009 - 2:49pm



QUANTITIES	
<b>BASE BID:</b>	
6-INCH SOLID YELLOW STRIPE	= 93 L.F.
12-INCH SOLID WHITE STRIPE	= 2,220 L.F.
36-INCH YELLOW CHEVRON STRIPE	= 576 L.F.
WHITE RUNWAY NUMERALS	= 4 EACH
WHITE STRIATED THRESHOLD MARKING	= 2 EACH
YELLOW HOLDING POSITION MARKING	= 1 EACH
<b>ADDITIVE ALTERNATIVE 1:</b>	
6-INCH SOLID YELLOW STRIPE	= 89 L.F.
YELLOW HOLDING POSITION MARKING	= 1 EACH
RETROREFLECTIVE MARKERS	= 12 EACH

SCALE	1" = 100'
DESIGN BY	JWC
DRAWN BY	KMB
CHECKED BY	JWC
DATE	04/09
PROJECT NUMBER	058712110
REGISTRATION	Professional Engineer Lee Vining, CA Exp. 03-31-11
REVISIONS	
REV	DATE
CHECKED	APPD

LEE VINING AIRPORT  
 RUNWAY RECONSTRUCTION  
 STRIPING PLAN

15  
 SHEET 15 OF 49

6-5-09

## **ITEM L-131**

### **RETROREFLECTIVE MARKER**

#### **DESCRIPTION**

**131-1.1** Description of Work. This section covers the work necessary for installing retroreflective markers including but not limited to furnishing and installing all materials, incidentals, and related work.

#### **MATERIALS**

**131-2.1** Retroreflective markers shall conform to the requirements of FAA Advisory Circular 150/5345-39C for Type II, L-853 markers. The markers shall be 30-inches in height above ground. Material submittals for retro reflective markers may be a product catalogue or brochure.

#### **CONSTRUCTION METHODS**

**131-3.1** Retroreflective markers shall be installed at the locations indicated on the plans and shall be installed in accordance with the manufacturer's recommendations.

#### **MEASUREMENT**

**131-4.1** Retroreflective markers shall be measured per each, complete, in-place as accepted by the Owner.

#### **PAYMENT**

**131-5.4** Payment for retroreflective markers shall be made at the contract unit price per each. This price shall be full compensation for the furnishing of all materials; for all preparation, hauling, and placing of these materials; and for all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

Item L-131-1-A1	Retroreflective Markers – per each
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**END OF ITEM L-131**



ITEM	DESCRIPTION with UNIT PRICES IN WORDS	QUANTITY	UNIT	UNIT PRICE	BID AMOUNT ( \$ )
P-152-2	Overexcavation of Unsuitable Soils and Backfill w/ Suitable _____ dollars _____ cents	2,000	C.Y.		
P-152-3	Grade Dirt Road _____ dollars _____ cents	1	L.S.		
P-156-1	Temporary Air and Water Pollution, Soil, Erosion and Siltation Control _____ dollars _____ cents	1	L.S.		
P-209S-1	6-inch Aggregate Base Course (runway and segmented circle area) _____ dollars _____ cents	35,845	S.Y.		
P-401S-1	3-inch Plant Mix Bituminous Pavement w/ Fog Seal _____ dollars _____ cents	29,600	S.Y.		
P-620-1	6-inch Solid Yellow Stripe _____ dollars _____ cents	93	L.F.		
P-620-2	12-inch Solid White Stripe _____ dollars _____ cents	2,220	L.F.		
P-620-3	36-inch Yellow Chevron Stripe _____ dollars _____ cents	576	L.F.		
P-620-4	White Runway Numerals _____ dollars _____ cents	4	Each		
P-620-5	White Striated Threshold Markings _____ dollars _____ cents	2	Each		

or damages. Overexcavation of unsuitable soils will be measured from subgrade elevation to the bottom of the excavation.

**152-3.3** There will be no direct measurement for Grade Dirt Road as it is a lump sum item.

### **BASIS OF PAYMENT**

**152-4.1** Payment for Unclassified Excavation and Embankment and Drainage Excavation shall be made at the contract lump sum price. This price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item.

Payment for Excavation of Unsuitable Material and Backfill shall be made at the contract unit price per cubic yard of soil actually removed and replaced with suitable material. The final pay quantity shall be by field measurement. The Engineer's representative and the Contractor shall agree upon the quantity daily at which time it shall be recorded and initialed by both the Contractor and the Engineer's representative in the daily inspection report. This price shall be full compensation for furnishing all materials, labor, equipment, tools, geotextile fabric, and incidentals necessary to complete the item.

Payment for Grade Dirt Road shall be made at the contract lump sum price. This price shall be full compensation for clearing and grubbing, grading, hauling excess material to stockpile area, furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-152-1	Unclassified Excavation and Embankment – per lump sum
Item P-152-1-A1	Unclassified Excavation and Embankment – per lump sum
Item P-152-2	Overexcavation of Unsuitable Material and Backfill with Suitable – per cubic yard
Item P-152-2-A1	Overexcavation of Unsuitable Material and Backfill with Suitable – per cubic yard
Item P-152-3	Grade Dirt Road – per lump sum

### **TESTING REQUIREMENTS**

ASTM D 698	Test for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5-pound Rammer and 12-inch Drop
ASTM D 1556	Test for Density of Soil In Place by the Sand-Cone Method
ASTM D 1557	Test for Laboratory Compaction Characteristics of Soil Using Modified Effort
ASTM D 2167	Test for Density and Unit Weight of Soil In Place by the Rubber Ballon Method

### **END OF ITEM P-152**

GENERAL DECISION: CA20080031 05/01/2009 CA31

Date: May 1, 2009

General Decision Number: CA20080031 05/01/2009

Superseded General Decision Number: CA20070031

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Inyo, Kern and Mono Counties in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS.

Modification Number	Publication Date
0	02/08/2008
1	02/15/2008
2	02/22/2008
3	02/29/2008
4	03/07/2008
5	03/28/2008
6	04/04/2008
7	04/11/2008
8	05/09/2008
9	06/20/2008
10	07/04/2008
11	07/11/2008
12	07/18/2008
13	08/01/2008
14	08/08/2008
15	08/29/2008
16	09/12/2008
17	10/31/2008
18	01/02/2009
19	01/16/2009
20	02/06/2009
21	02/27/2009
22	03/06/2009
23	04/03/2009
24	04/17/2009
25	05/01/2009

ASBE0005-001 08/07/2007

INYO AND KERN

	Rates	Fringes
Fire Stop Technician (Application of Firestopping Materials for wall openings and penetrations in walls, floors, ceilings and curtain walls).....	\$ 20.76	10.23
Insulator/asbestos worker (Includes the application of all insulating materials, protective coverings, coatings & finishes to all types of mechanical systems).....	\$ 37.01	10.84

ASBE0005-005 08/07/2006

INYO AND KERN

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)....	\$ 19.55	6.38

ASBE0016-003 01/01/2009

MONO

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings, and finishes to all types of mechanical systems).....	\$ 39.08	15.21

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BOIL0092-005 10/01/2008

## INYO AND KERN

	Rates	Fringes
BOILERMAKER.....	\$ 39.24	20.26

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BOIL0549-003 10/01/2007

## MONO COUNTY

	Rates	Fringes
BOILERMAKER.....	\$ 36.52	19.37

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\* BRCA0004-005 05/01/2009

	Rates	Fringes
Bricklayer; Marble Setter.....	\$ 34.64	11.15

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BRCA0018-010 09/01/2008

	Rates	Fringes
TERRAZZO FINISHER.....	\$ 26.59	9.62
TERRAZZO WORKER/SETTER.....	\$ 33.63	10.46

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BRCA0018-011 08/01/2008

	Rates	Fringes
TILE LAYER.....	\$ 29.79	9.34

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BRCA0018-012 06/01/2008

## KERN

	Rates	Fringes
MARBLE FINISHER.....	\$ 25.52	9.08
TILE FINISHER.....	\$ 21.07	7.88

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CARP0409-002 07/01/2008

	Rates	Fringes
Diver		
(1) Wet.....	\$ 663.68	9.82
(2) Standby.....	\$ 331.84	9.82
(3) Tender.....	\$ 323.84	9.82
(4) Assistant Tender.....	\$ 299.84	9.82

Amounts in "Rates" column are per day

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CARP0409-005 07/01/2008

	Rates	Fringes
Drywall		
DRYWALL INSTALLER/LATHER....	\$ 37.35	10.10
STOCKER/SCRAPPER.....	\$ 10.00	6.67

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CARP0409-006 07/01/2008

	Rates	Fringes
CARPENTER		
(01) Carpenter, cabinet installer, insulation installer, floor worker and acoustical installer....	\$ 36.78	9.82
(02) Millwright.....	\$ 37.85	9.82
(03) Pile driver; Derrick barge; Bridge or Dock		

Carpenter; Heavy framer;		
Rockslinger; Rock		
Bargeman; Scowman.....	\$ 37.48	9.82
(04) Shingler (Commercial).	\$ 36.91	9.82
(05) Table Power Saw		
Operator.....	\$ 36.88	9.82
(06) Pneumatic Nailer or		
Power Stapler.....	\$ 37.03	9.82
(07) Roof Loader of		
Shingles (Commercial).....	\$ 25.84	9.82
(08) Saw Filer.....	\$ 36.87	9.82
(09) Scaffold Builder.....	\$ 28.55	9.82

FOOTNOTE: Work of forming in the construction of open cut sewers or storm drains, on operations in which horizontal lagging is used in conjunction with steel H-Beams driven or placed in pre-drilled holes, for that portion of a lagged trench against which concrete is poured, namely, as a substitute for back forms (which work is performed by piledrivers): \$0.13 per hour additional.

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 ELEC0011-002 03/01/2008

COMMUNICATIONS AND SYSTEMS WORK

	Rates	Fringes
Communications System		
Installer.....	\$ 26.43	3%+7.60
Technician.....	\$ 28.23	3%+7.60

SCOPE OF WORK:

Installation, testing, service and maintenance of systems utilizing the transmission and/or transference of voice, sound, vision and digital for commercial, educational, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call systems, radio page, school intercom and sound, burglar alarms, fire alarm (see last paragraph below) and low voltage master clock systems in commercial buildings. Communication Systems that transmit or receive information and/or control systems that are intrinsic to the above listed systems; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding all other data systems or multiple systems which include control function or power supply; excluding installation of raceway systems, conduit systems, line voltage work, and energy management systems. Does not cover work performed at China Lake Naval Ordnance Test Station. Fire alarm work shall be performed at the current inside wireman total cost package.

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 ELEC0428-001 06/01/2007

	Rates	Fringes
CABLE SPLICER		
China Lake Naval Weapons		
Center, Edwards AFB.....	\$ 37.37	3%+13.54
Remainder of Kern County....	\$ 32.62	3%+13.54
ELECTRICIAN		
China Lake Naval Weapons		
Center, Edwards AFB.....	\$ 34.40	3%+13.54
Remainder of Kern County....	\$ 29.65	3%+13.54

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 ELEC0477-001 06/01/2008

INYO AND MONO

	Rates	Fringes
ELECTRICIAN.....	\$ 34.00	3%+14.70

CABLE SPLICER: \$1.00 above Electrician.  
 TUNNEL WORK: 10% above Electrician.

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 ELEC1245-001 06/01/2008

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer..	\$ 43.07	12.57
(2) Equipment specialist		
(operates crawler		

tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 34.40	11.53
(3) Groundman.....	\$ 26.31	11.29
(4) Powderman.....	\$ 38.46	11.69

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

ELEV0018-001 01/01/2009

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 44.10	18.285

FOOTNOTE:

PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.  
 PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

\* ENGI0012-003 07/01/2008

	Rates	Fringes
POWER EQUIPMENT OPERATOR (All Other Work)		
GROUP 1.....	\$ 35.28	16.47
GROUP 2.....	\$ 36.06	16.47
GROUP 3.....	\$ 36.35	16.47
GROUP 4.....	\$ 37.84	16.47
GROUP 5.....	\$ 38.94	16.47
GROUP 6.....	\$ 38.06	16.47
GROUP 7.....	\$ 39.16	16.47
GROUP 8.....	\$ 38.17	16.47
GROUP 9.....	\$ 39.27	16.47
GROUP 10.....	\$ 38.29	16.47
GROUP 11.....	\$ 39.39	16.47
GROUP 12.....	\$ 38.46	16.47
GROUP 13.....	\$ 38.56	16.47
GROUP 14.....	\$ 38.59	16.47
GROUP 15.....	\$ 38.67	16.47
GROUP 16.....	\$ 38.79	16.47
GROUP 17.....	\$ 38.96	16.47
GROUP 18.....	\$ 39.06	16.47
GROUP 19.....	\$ 39.17	16.47
GROUP 20.....	\$ 39.29	16.47
GROUP 21.....	\$ 39.46	16.47
GROUP 22.....	\$ 39.56	16.47
GROUP 23.....	\$ 39.67	16.47
GROUP 24.....	\$ 39.79	16.47
GROUP 25.....	\$ 39.96	16.47
POWER EQUIPMENT OPERATOR (Cranes, Piledriving & Hoisting)		
GROUP 1.....	\$ 36.63	16.47
GROUP 2.....	\$ 37.41	16.47
GROUP 3.....	\$ 37.70	16.47
GROUP 4.....	\$ 37.84	16.47
GROUP 5.....	\$ 38.06	16.47
GROUP 6.....	\$ 38.17	16.47
GROUP 7.....	\$ 38.29	16.47
GROUP 8.....	\$ 38.46	16.47
GROUP 9.....	\$ 38.63	16.47
GROUP 10.....	\$ 39.63	16.47
GROUP 11.....	\$ 40.63	16.47
GROUP 12.....	\$ 41.63	16.47
GROUP 13.....	\$ 42.63	16.47
POWER EQUIPMENT OPERATOR (Tunnel Work)		
GROUP 1.....	\$ 37.13	16.47
GROUP 2.....	\$ 37.91	16.47
GROUP 3.....	\$ 38.20	16.47
GROUP 4.....	\$ 38.34	16.47
GROUP 5.....	\$ 38.56	16.47
GROUP 6.....	\$ 38.67	16.47
GROUP 7.....	\$ 38.79	16.47

PREMIUM PAY:  
 \$3.75 per hour shall be paid on all Power Equipment Operator

work on the following Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton

Workers required to suit up and work in a hazardous material environment: \$2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bargeman; Brakeman; Compressor operator; Ditch Witch, with seat or similar type equipment; Elevator operator-inside; Engineer Oiler; Forklift operator (includes loed, lull or similar types under 5 tons; Generator operator; Generator, pump or compressor plant operator; Pump operator; Signalman; Switchman

GROUP 2: Asphalt-rubber plant operator (nurse tank operator); Concrete mixer operator-skip type; Conveyor operator; Fireman; Forklift operator (includes loed, lull or similar types over 5 tons; Hydrostatic pump operator; oiler crusher (asphalt or concrete plant); Petromat laydown machine; PJU side dum jack; Screening and conveyor machine operator (or similar types); Skiploader (wheel type up to 3/4 yd. without attachment); Tar pot fireman; Temporary heating plant operator; Trenching machine oiler

GROUP 3: Asphalt-rubber blend operator; Bobcat or similar type (Skid steer); Equipment greaser (rack); Ford Ferguson (with dragtype attachments); Helicopter radioman (ground); Stationary pipe wrapping and cleaning machine operator

GROUP 4: Asphalt plant fireman; Backhoe operator (mini-max or similar type); Boring machine operator; Boxman or mixerman (asphalt or concrete); Chip spreading machine operator; Concrete cleaning decontamination machine operator; Concrete Pump Operator (small portable); Drilling machine operator, small auger types (Texoma super economatic or similar types - Hughes 100 or 200 or similar types - drilling depth of 30' maximum); Equipment greaser (grease truck); Guard rail post driver operator; Highline cableway signalman; Horizontal Directional Drilling Machine; Hydra-hammer-aero stomper; Micro Tunneling (above ground tunnel); Power concrete curing machine operator; Power concrete saw operator; Power-driven jumbo form setter operator; Power sweeper operator; Rock Wheel Saw/Trencher; Roller operator (compacting); Screed operator (asphalt or concrete); Trenching machine operator (up to 6 ft.); Vacuum or much truck

GROUP 5: Equipment Greaser (Grease Truck/Multi Shift).

GROUP 6: Articulating material hauler; Asphalt plant engineer; Batch plant operator; Bit sharpener; Concrete joint machine operator (canal and similar type); Concrete planer operator; Dandy digger; Deck engine operator; Derrickman (oilfield type); Drilling machine operator, bucket or auger types (Calweld 100 bucket or similar types - Watson 1000 auger or similar types - Texoma 330, 500 or 600 auger or similar types - drilling depth of 45' maximum); Drilling machine operator; Hydrographic seeder machine operator (straw, pulp or seed), Jackson track maintainer, or similar type; Kalamazoo Switch tamper, or similar type; Machine tool operator; Maginnis internal full slab vibrator, Mechanical berm, curb or gutter (concrete or asphalt); Mechanical finisher operator (concrete, Clary-Johnson-Bidwell or similar); Micro tunnel system (below ground); Pavement breaker operator (truck mounted); Road oil mixing machine operator; Roller operator (asphalt or finish), rubber-tired earth moving equipment (single engine, up to and including 25 yds. struck); Self-propelled tar pipelining machine operator; Skiploader operator (crawler and wheel type, over 3/4 yd. and up to and including 1-1/2 yds.); Slip form pump operator (power driven hydraulic lifting device for concrete forms); Tractor operator-bulldozer, tamper-scraper (single engine, up to 100 h.p. flywheel and similar types, up to and including D-5 and similar types); Tugger hoist operator (1 drum); Ultra high pressure waterjet cutting tool system operator; Vacuum blasting machine operator

GROUP 7: Welder - General

GROUP 8: Asphalt or concrete spreading operator (tamping or finishing); Asphalt paving machine operator (Barber Greene or similar type); Asphalt-rubber distribution operator; Backhoe operator (up to and including 3/4 yd.), small ford, Case or similar; Cast-in-place pipe laying machine operator; Combination mixer and compressor operator (gunite work); Compactor operator (self-propelled); Concrete mixer operator (paving); Crushing plant operator; Drill Doctor; Drilling machine operator, Bucket or auger types (Calweld 150 bucket or similar types - Watson 1500, 2000 2500 auger or similar types - Texoma 700, 800 auger or similar types - drilling depth of 60' maximum); Elevating grader operator; Grade checker; Gradall operator; Grouting machine operator; Heavy-duty repairman; Heavy equipment robotics operator; Kalamazoo balliste regulator or similar type; Kolman belt loader and similar type; Le Tourneau blob compactor or similar type; Loader operator (Athey, Euclid, Sierra and similar types); Mobark Chipper or similar; Ozzie padder or similar types; P.C. slot saw; Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pumpcrete gun operator; Rock Drill or similar types; Rotary drill operator (excluding caisson type); Rubber-tired earth-moving equipment operator (single engine, caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator (multiple engine up to and including 25 yds. struck); Rubber-tired scraper operator (self-loading paddle wheel type-John Deere, 1040 and similar single unit); Self-propelled curb and gutter machine operator; Shuttle buggy; Skiploader operator (crawler and wheel type over 1-1/2 yds. up to and including 6-1/2 yds.); Soil remediation plant operator; Surface heaters and planer operator; Tractor compressor drill combination operator; Tractor operator (any type larger than D-5 - 100 flywheel h.p. and over, or similar-bulldozer, tamper, scraper and push tractor single engine); Tractor operator (boom attachments), Traveling pipe wrapping, cleaning and bending machine operator; Trenching machine operator (over 6 ft. depth capacity, manufacturer's rating); trenching Machine with Road Miner attachment (over 6 ft depth capacity); Ultra high pressure waterjet cutting tool system mechanic; Water pull (compaction) operator

GROUP 9: Heavy Duty Repairman

GROUP 10: Drilling machine operator, Bucket or auger types (Calweld 200 B bucket or similar types-Watson 3000 or 5000 auger or similar types-Texoma 900 auger or similar types-drilling depth of 105' maximum); Dual drum mixer, dynamic compactor LDC350 (or similar types); Monorail locomotive operator (diesel, gas or electric); Motor patrol-blade operator (single engine); Multiple engine tractor operator (Euclid and similar type-except Quad 9 cat.); Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Pneumatic pipe ramming tool and similar types; Prestressed wrapping machine operator; Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Rubber tired earth moving equipment operator (multiple engine, Euclid, caterpillar and similar over 25 yds. and up to 50 yds. struck), Tower crane repairman; Tractor loader operator (crawler and wheel type over 6-1/2 yds.); Woods mixer operator (and similar Pugmill equipment)

GROUP 11: Heavy Duty Repairman - Welder Combination, Welder - Certified.

GROUP 12: Auto grader operator; Automatic slip form operator; Drilling machine operator, bucket or auger types (Calweld, auger 200 CA or similar types - Watson, auger 6000 or similar types - Hughes Super Duty, auger 200 or similar types - drilling depth of 175' maximum); Hoe ram or similar with compressor; Mass excavator operator less tha 750 cu. yards; Mechanical finishing machine operator; Mobile form traveler operator; Motor patrol operator (multi-engine); Pipe mobile machine operator; Rubber-tired earth- moving equipment operator (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck); Rubber-tired self- loading scraper operator (paddle-wheel-auger type self-loading - two (2) or more units)

GROUP 13: Rubber-tired earth-moving equipment operator operating equipment with push-pull system (single engine, up to and including 25 yds. struck)

GROUP 14: Canal liner operator; Canal trimmer operator;  
Remote-control earth-moving equipment operator (operating  
a second piece of equipment: \$1.00 per hour additional);  
Wheel excavator operator (over 750 cu. yds.)

GROUP 15: Rubber-tired earth-moving equipment operator,  
operating equipment with push-pull system (single engine,  
Caterpillar, Euclid, Athey Wagon and similar types with any  
and all attachments over 25 yds. and up to and including 50  
yds. struck); Rubber-tired earth-moving equipment operator,  
operating equipment with push-pull system (multiple  
engine-up to and including 25 yds. struck)

GROUP 16: Rubber-tired earth-moving equipment operator,  
operating equipment with push-pull system (single engine,  
over 50 yds. struck); Rubber-tired earth-moving equipment  
operator, operating equipment with push-pull system  
(multiple engine, Euclid, Caterpillar and similar, over 25  
yds. and up to 50 yds. struck)

GROUP 17: Rubber-tired earth-moving equipment operator,  
operating equipment with push-pull system (multiple engine,  
Euclid, Caterpillar and similar, over 50 cu. yds. struck);  
Tandem tractor operator (operating crawler type tractors in  
tandem - Quad 9 and similar type)

GROUP 18: Rubber-tired earth-moving equipment operator,  
operating in tandem (scrapers, belly dumps and similar  
types in any combination, excluding compaction units -  
single engine, up to and including 25 yds. struck)

GROUP 19: Rotex concrete belt operator (or similar types);  
Rubber-tired earth-moving equipment operator, operating in  
tandem (scrapers, belly dumps and similar types in any  
combination, excluding compaction units - single engine,  
Caterpillar, Euclid, Athey Wagon and similar types with any  
and all attachments over 25 yds. and up to and including 50  
cu. yds. struck); Rubber-tired earth-moving equipment  
operator, operating in tandem (scrapers, belly dumps and  
similar types in any combination, excluding compaction  
units - multiple engine, up to and including 25 yds. struck)

GROUP 20: Rubber-tired earth-moving equipment operator,  
operating in tandem (scrapers, belly dumps and similar  
types in any combination, excluding compaction units -  
single engine, over 50 yds. struck); Rubber-tired  
earth-moving equipment operator, operating in tandem  
(scrapers, belly dumps, and similar types in any  
combination, excluding compaction units - multiple engine,  
Euclid, Caterpillar and similar, over 25 yds. and up to 50  
yds. struck)

GROUP 21: Rubber-tired earth-moving equipment operator,  
operating in tandem (scrapers, belly dumps and similar  
types in any combination, excluding compaction units -  
multiple engine, Euclid, Caterpillar and similar type, over  
50 cu. yds. struck)

GROUP 22: Rubber-tired earth-moving equipment operator,  
operating equipment with the tandem push-pull system  
(single engine, up to and including 25 yds. struck)

GROUP 23: Rubber-tired earth-moving equipment operator,  
operating equipment with the tandem push-pull system  
(single engine, Caterpillar, Euclid, Athey Wagon and  
similar types with any and all attachments over 25 yds. and  
up to and including 50 yds. struck); Rubber-tired  
earth-moving equipment operator, operating with the tandem  
push-pull system (multiple engine, up to and including 25  
yds. struck)

GROUP 24: Rubber-tired earth-moving equipment operator,  
operating equipment with the tandem push-pull system  
(single engine, over 50 yds. struck); Rubber-tired  
earth-moving equipment operator, operating equipment with  
the tandem push-pull system (multiple engine, Euclid,  
Caterpillar and similar, over 25 yds. and up to 50 yds.  
struck)

GROUP 25: Concrete pump operator-truck mounted; Rubber-tired  
earth-moving equipment operator, operating equipment with  
the tandem push-pull system (multiple engine, Euclid,  
Caterpillar and similar type, over 50 cu. yds. struck)

CRANES, PILEDRIVING AND HOISTING EQUIPMENT CLASSIFICATIONS

GROUP 1: Engineer oiler; Fork lift operator (includes loed, lull or similar types)

GROUP 2: Truck crane oiler

GROUP 3: A-frame or winch truck operator; Ross carrier operator (jobsite)

GROUP 4: Bridge-type unloader and turntable operator; Helicopter hoist operator

GROUP 5: Hydraulic boom truck; Stinger crane (Austin-Western or similar type); Tugger hoist operator (1 drum)

GROUP 6: Bridge crane operator; Cretor crane operator; Hoist operator (Chicago boom and similar type); Lift mobile operator; Lift slab machine operator (Vagtborg and similar types); Material hoist and/or manlift operator; Polar gantry crane operator; Self Climbing scaffold (or similar type); Shovel, backhoe, dragline, clamshell operator (over 3/4 yd. and up to 5 cu. yds. mrc); Tugger hoist operator

GROUP 7: Pedestal crane operator; Shovel, backhoe, dragline, clamshell operator (over 5 cu. yds. mrc); Tower crane repair; Tugger hoist operator (3 drum)

GROUP 8: Crane operator (up to and including 25 ton capacity); Crawler transporter operator; Derrick barge operator (up to and including 25 ton capacity); Hoist operator, stiff legs, Guy derrick or similar type (up to and including 25 ton capacity); Shovel, backhoe, dragline, clamshell operator (over 7 cu. yds., M.R.C.)

GROUP 9: Crane operator (over 25 tons and up to and including 50 tons mrc); Derrick barge operator (over 25 tons up to and including 50 tons mrc); Highline cableway operator; Hoist operator, stiff legs, Guy derrick or similar type (over 25 tons up to and including 50 tons mrc); K-crane operator; Polar crane operator; Self erecting tower crane operator maximum lifting capacity ten tons

GROUP 10: Crane operator (over 50 tons and up to and including 100 tons mrc); Derrick barge operator (over 50 tons up to and including 100 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 50 tons up to and including 100 tons mrc), Mobile tower crane operator (over 50 tons, up to and including 100 tons M.R.C.); Tower crane operator and tower gantry

GROUP 11: Crane operator (over 100 tons and up to and including 200 tons mrc); Derrick barge operator (over 100 tons up to and including 200 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 100 tons up to and including 200 tons mrc); Mobile tower crane operator (over 100 tons up to and including 200 tons mrc)

GROUP 12: Crane operator (over 200 tons up to and including 300 tons mrc); Derrick barge operator (over 200 tons up to and including 300 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 200 tons, up to and including 300 tons mrc); Mobile tower crane operator (over 200 tons, up to and including 300 tons mrc)

GROUP 13: Crane operator (over 300 tons); Derrick barge operator (over 300 tons); Helicopter pilot; Hoist operator, stiff legs, Guy derrick or similar type (over 300 tons); Mobile tower crane operator (over 300 tons)

#### TUNNEL CLASSIFICATIONS

GROUP 1: Skiploader (wheel type up to 3/4 yd. without attachment)

GROUP 2: Power-driven jumbo form setter operator

GROUP 3: Dinkey locomotive or motorperson (up to and including 10 tons)

GROUP 4: Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons)

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine

operator; Heading shield operator; Heavy-duty repairperson;  
 Loader operator (Athey, Euclid, Sierra and similar types);  
 Mucking machine operator (1/4 yd., rubber-tired, rail or  
 track type); Pneumatic concrete placing machine operator  
 (Hackley-Presswell or similar type); Pneumatic heading  
 shield (tunnel); Pumpcrete gun operator; Tractor compressor  
 drill combination operator; Tugger hoist operator (2 drum);  
 Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy Duty Repairman

GROUP 7: Tunnel mole boring machine operator

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 ENGI0012-004 08/01/2008

	Rates	Fringes
POWER EQUIPMENT OPERATOR (DREDGING)		
(1) Leverman.....	\$ 43.28	16.47
(2) Dredge dozer.....	\$ 38.81	16.47
(3) Deckmate.....	\$ 38.70	16.47
(4) Winch operator (stern winch on dredge).....	\$ 38.15	16.47
(5) Fireman-Oiler, Deckhand, Bargeman, Leveehand.....	\$ 37.61	16.47
(6) Barge Mate.....	\$ 38.22	16.47

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 IRON0002-004 07/01/2008

	Rates	Fringes
Ironworkers:		
Fence Erector.....	\$ 25.96	14.08
Ornamental, Reinforcing and Structural.....	\$ 31.83	22.17

PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval  
 Reserve-Niland,  
 Edwards AFB, Fort Irwin Military Station, Fort Irwin Training  
 Center-Goldstone, San Clemente Island, San Nicholas Island,  
 Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine  
 Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base,  
 Naval Post Graduate School - Monterey, Yermo Marine Corps  
 Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

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 LABO0300-001 07/01/2008

	Rates	Fringes
Brick Tender.....	\$ 27.17	13.75

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 LABO0300-003 07/01/2008

	Rates	Fringes
LABORER (GUNITE)		
GROUP 1.....	\$ 29.79	16.87
GROUP 2.....	\$ 28.84	16.87
GROUP 3.....	\$ 25.30	16.87
LABORER (TUNNEL)		
GROUP 1.....	\$ 30.74	14.04
GROUP 2.....	\$ 31.06	14.04
GROUP 3.....	\$ 31.52	14.04
GROUP 4.....	\$ 32.21	14.04
LABORER		
GROUP 1.....	\$ 26.33	13.75
GROUP 2.....	\$ 26.88	13.75
GROUP 3.....	\$ 27.43	13.75
GROUP 4.....	\$ 28.98	13.75
GROUP 5.....	\$ 29.33	13.75

Laborers:

GROUP 1.....	\$ 26.33	13.75
GROUP 2.....	\$ 26.88	13.75
GROUP 3.....	\$ 27.43	13.75
GROUP 4.....	\$ 28.98	13.75
GROUP 5.....	\$ 29.33	13.75

FOOTNOTE: GUNITE PREMIUM PAY: Workers working from a Bosn'n's Chair or suspended from a rope or cable shall receive 40 cents per hour above the foregoing applicable classification rates. Workers doing gunite and/or shotcrete work in a tunnel shall receive 35 cents per hour above the foregoing applicable classification rates, paid on a portal-to-portal basis. Any work performed on, in or above any smoke stack, silo, storage elevator or similar type of structure, when such structure is in excess of 75'-0" above base level and which work must be performed in whole or in part more than 75'-0" above base level, that work performed above the 75'-0" level shall be compensated for at 35 cents per hour above the applicable classification wage rate.

#### LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellower

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and

trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Bull gang mucker, track person; Changehouse person; Concrete crew, including rodder and spreader; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person

GROUP 2: Chucktender, cabletender; Loading and unloading agitator cars; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.); Vibrator person, jack hammer, pneumatic tools (except driller)

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Rodmen, Nozzlemen

GROUP 2: Gunmen

GROUP 3: Reboundmen

LABO0882-002 01/01/2009

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 26.15	13.25

SCOPE OF WORK: Includes site mobilization, initial site cleanup, site preparation, removal of asbestos-containing material and toxic waste, encapsulation, enclosure and disposal of asbestos- containing materials and toxic waste by hand or with equipment or machinery; scaffolding, fabrication of temporary wooden barriers and assembly of decontamination stations.

LABO1184-001 07/01/2008

	Rates	Fringes
Laborers: (HORIZONTAL DIRECTIONAL DRILLING)		
(1) Drilling Crew Laborer...	\$ 27.05	9.40
(2) Vehicle Operator/Hauler.	\$ 27.22	9.40
(3) Horizontal Directional Drill Operator.....	\$ 29.07	9.40
(4) Electronic Tracking Locator.....	\$ 31.07	9.40
Laborers: (STRIPING/SLURRY)		

SEAL)

GROUP 1.....	\$ 27.75	12.06
GROUP 2.....	\$ 29.05	12.06
GROUP 3.....	\$ 31.06	12.06
GROUP 4.....	\$ 32.80	12.06

LABORERS - STRIPING CLASSIFICATIONS

GROUP 1: Protective coating, pavement sealing, including repair and filling of cracks by any method on any surface in parking lots, game courts and playgrounds; carstops; operation of all related machinery and equipment; equipment repair technician

GROUP 2: Traffic surface abrasive blaster; pot tender - removal of all traffic lines and markings by any method (sandblasting, waterblasting, grinding, etc.) and preparation of surface for coatings. Traffic control person: controlling and directing traffic through both conventional and moving lane closures; operation of all related machinery and equipment

GROUP 3: Traffic delineating device applicator: Layout and application of pavement markers, delineating signs, rumble and traffic bars, adhesives, guide markers, other traffic delineating devices including traffic control. This category includes all traffic related surface preparation (sandblasting, waterblasting, grinding) as part of the application process. Traffic protective delineating system installer: removes, relocates, installs, permanently affixed roadside and parking delineation barricades, fencing, cable anchor, guard rail, reference signs, monument markers; operation of all related machinery and equipment; power broom sweeper

GROUP 4: Striper: layout and application of traffic stripes and markings; hot thermo plastic; tape traffic stripes and markings, including traffic control; operation of all related machinery and equipment

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PAIN0036-009 10/01/2008

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 29.19	11.29

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PAIN0036-021 07/01/2008

	Rates	Fringes
Painters: (Including Lead Abatement)		
(1) Journeyman Painter.....	\$ 25.20	8.54
(2) Repaint.....	\$ 23.10	8.54
(3) High Iron & Steel - Kern County only.....	\$ 27.20	8.54

REPAINT:  
Repaint of any structure with the exception of work involving the aerospace industry, breweries, commercial recreational facilities, hotels which operate commercial establishments as part of hotel service, and sports facilities, tenant improvement work not included in conjunction with the construction of the building and all repainting of tenant improvement projects.

HIGH IRON & STEEL:  
Aerial towers, towers, radio towers, smoke stacks, flag poles (any flag poles that can be finished from the ground with a ladder excluded), elevated water towers, steeples and domes in their entirety and any other extremely high and hazardous work, cooning steel, bos'n chair, or other similar devices, painting in other high hazardous work shall be classified as high iron & steel

-----  
PAIN0169-002 01/14/2009

	Rates	Fringes
GLAZIER.....	\$ 29.68	14.10

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\* PAIN1247-001 05/01/2009

	Rates	Fringes
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SOFT FLOOR LAYER.....\$ 20.27 8.74

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PLAS0200-007 08/06/2008

Rates Fringes

PLASTERER.....\$ 34.66 8.63

U.S. MARINE CORPS-PICKLE MEADOW & MOUNTAIN WARFARE TRAINING  
CENTER:

\$3.00 additional per hour.

-----  
PLAS0500-002 07/01/2007

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 28.00 16.45

-----  
PLUM0345-001 07/01/2008

Rates Fringes

PLUMBER

Landscape/Irrigation Fitter.\$ 25.98 13.01

Sewer & Storm Drain Work...\$ 24.62 14.84

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PLUM0460-002 07/01/2008

Rates Fringes

PLUMBER (Plumber, Pipefitter,  
Steamfitter, Refrigeration)

0 to 50 miles radius from

6718 Meany Avenue in

Bakersfield.....\$ 31.24 16.01

50 to 75 miles radius.....\$ 35.74 16.01

75 miles radius or more.....\$ 38.24 16.01

FOOTNOTE: Work from a swinging scaffold, swinging basket,  
spider or from a bosun chair: 10% above the regular rate of  
pay for that day.

-----  
ROOF0027-001 01/01/2009

Rates Fringes

ROOFER.....\$ 26.75 8.05

FOOTNOTE: Work with pitch, pitch base of pitch impregnated  
products or any material containing coal tar pitch, on any  
building old or new, where both asphalt and pitchers are  
used in the application of a built-up roof or tear off:  
\$2.00 per hour additional.

-----  
SFCA0669-007 01/01/2009

Rates Fringes

SPRINKLER FITTER.....\$ 32.15 16.05

-----  
SHEE0105-003 01/01/2009

LOS ANGELES (South of a straight line drawn between Gorman and  
Big Pines)and Catalina Island, INYO, KERN (Northeast part, East  
of Hwy 395), MONO ORANGE, RIVERSIDE, AND SAN BERNARDINO COUNTIES

Rates Fringes

SHEET METAL WORKER

(1) Commercial - New

Construction and Remodel

work.....\$ 38.57 16.19

(2) Industrial work

including air pollution

control systems, noise

abatement, hand rails,

guard rails, excluding

aritechtural sheet metal

work, excluding A-C,

heating, ventilating

systems for human comfort...\$ 33.22 21.74

-----  
SHEE0105-004 01/01/2009

KERN (Excluding portion East of Hwy 395) & LOS ANGELES (North  
of a straight line drawn between Gorman and Big Pines including

## Cities of Lancaster and Palmdale) COUNTIES

	Rates	Fringes
SHEET METAL WORKER.....	\$ 32.91	14.62

-----  
TEAM0011-002 07/01/2008

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 26.44	18.24
GROUP 2.....	\$ 26.59	18.24
GROUP 3.....	\$ 26.72	18.24
GROUP 4.....	\$ 26.91	18.24
GROUP 5.....	\$ 26.94	18.24
GROUP 6.....	\$ 26.97	18.24
GROUP 7.....	\$ 27.22	18.24
GROUP 8.....	\$ 27.47	18.24
GROUP 9.....	\$ 27.67	18.24
GROUP 10.....	\$ 27.97	18.24
GROUP 11.....	\$ 28.47	18.24
GROUP 12.....	\$ 28.90	18.24

## WORK ON ALL MILITARY BASES:

PREMIUM PAY: \$3.00 per hour additional.

[29 palms Marine Base, Camp Roberts, China Lake, Edwards AFB, El Centro Naval Facility, Fort Irwin, George AFB, Marine Corps Logistics Base at Nebo & Yermo, Mountain Warfare Training Center, Bridgeport, Point Arguello, Point Conception, Vandenberg AFB]

## TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Truck driver

GROUP 2: Driver of vehicle or combination of vehicles - 2 axles; Traffic control pilot car excluding moving heavy equipment permit load; Truck mounted broom

GROUP 3: Driver of vehicle or combination of vehicles - 3 axles; Boot person; Cement mason distribution truck; Fuel truck driver; Water truck - 2 axle; Dump truck, less than 16 yds. water level; Erosion control driver

GROUP 4: Driver of transit mix truck, under 3 yds.; Dumpcrete truck, less than 6-1/2 yds. water level

GROUP 5: Water truck, 3 or more axles; Truck greaser and tire person (\$0.50 additional for tire person); Pipeline and utility working truck driver, including winch truck and plastic fusion, limited to pipeline and utility work; Slurry truck driver

GROUP 6: Transit mix truck, 3 yds. or more; Dumpcrete truck, 6-1/2 yds. water level and over; Vehicle or combination of vehicles - 4 or more axles; Oil spreader truck; Dump truck, 16 yds. to 25 yds. water level

GROUP 7: A Frame, Swedish crane or similar; Forklift driver; Ross carrier driver

GROUP 8: Dump truck, 25 yds. to 49 yds. water level; Truck repair person; Water pull - single engine; Welder

GROUP 9: Truck repair person/welder; Low bed driver, 9 axles or over

GROUP 10: Dump truck - 50 yds. or more water level; Water pull - single engine with attachment

GROUP 11: Water pull - twin engine; Water pull - twin engine with attachments; Winch truck driver - \$1.25 additional when operating winch or similar special attachments

GROUP 12: Boom Truck 17K and above  
-----

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====  
Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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 In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.  
 -----

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
 Wage and Hour Division  
 U.S. Department of Labor  
 200 Constitution Avenue, N.W.  
 Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
 U.S. Department of Labor  
 200 Constitution Avenue, N.W.  
 Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
 U.S. Department of Labor  
 200 Constitution Avenue, N.W.  
 Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====  
 END OF GENERAL DECISION

**TABLE 1.**

**TABLE OF TESTING REQUIREMENTS  
QUALITY ASSURANCE (OWNER) AND QUALITY CONTROL (CONTRACTOR)**

Spec. Item	Reference	Description	Minimum Frequency	Owner's Responsibility	Contractor's Responsibility
P-401S Production	ASTM D 3203	Laboratory Compacted Determination of Air Voids	1 set per subplot	X	
P-401S Production	ASTM D 2726 or D 1188	Laboratory Compacted Bulk Specific Gravity	1 set per subplot	X	
P-401S Production	ASTM D 2041	Laboratory Compacted Theoretical Maximum Specific Gravity	2 set per subplot	X	
P-401S Production	ASTM D 2726 or D 118	Cored Samples Bulk Specific Gravity	Mat – 1 per subplot Joint – 1 per subplot	X	X Coring
P-401S Production	ASTM D 2172 or 6307 or D 4125	Asphalt Content	2 per lot		X
P-401S Production	ASTM D 5444 and ASTM 6307	Aggregate Gradation	2 per lot		X
P-401S Production	ASTM C 566	Moisture Content	1 per lot		X
P-401S Production	ASTM D 1461 or AASHTO T 110	Moisture Content of Mixture	1 per lot		X
P-401S Production	ASTM D 2950	In-Place Density	As Required		X
P-603	ASTM D 977 or 2397	Bituminous Material	1 sample		X
P-610 Plant	ASTM C 136	Sieve Analysis	1 per each aggregate per mix design		X
P-610 Mix Design	ASTM C 39	Compression Tests	3 per each test age, 7, 28 and 56 days		X

The roller shall not pass over the unprotected end of the freshly laid mixture except when necessary to form a transverse joint. When necessary to form a transverse joint, it shall be made by means of placing a bulkhead or by tapering the course. The tapered edge shall be cut back to its full depth and width on a straight line to expose a vertical face prior to placing the adjacent lane. In both methods, all contact surfaces shall be given a tack coat of bituminous material before placing any fresh mixture against the joint.

Longitudinal joints which are irregular, damaged, uncompacted, or otherwise defective or which have been left exposed for more than 4 hours, or whose surface temperature has cooled to less than 160° F shall be cut back to expose a clean, sound surface for the full depth of the course. All contact surfaces shall be given a tack coat of bituminous material prior to placing any fresh mixture against the joint. The cost of this work and tack coat shall be considered incidental to the cost of the bituminous course.

**401S-4.13 SKID RESISTANT SURFACES/SAW-CUT GROOVING.** Not used.

**401S-4.14 EQUIPMENT.** The Engineer reserves the right to reject the Contractor's use of paving equipment which does not accomplish the required end product.

## **MATERIAL ACCEPTANCE**

**401S-5.1 ACCEPTANCE SAMPLING AND TESTING.** Unless otherwise specified, all acceptance sampling and testing necessary to determine conformance with the requirements specified in this section will be performed by the Engineer at no cost to the Contractor except that coring as required in this section shall be completed and paid for by the Contractor. Testing organizations performing these tests shall meet the requirements of ASTM D 3666. All equipment in Contractor furnished laboratories shall be calibrated by an independent testing organization prior to the start of operations at the Contractor's expense.

- a. Plant-Produced Material. Plant-produced material shall be tested for stability, flow, and air voids on a lot basis. Sampling shall be from material deposited into trucks at the plant or from trucks at the job site. Samples shall be taken in accordance with ASTM D 979. A lot will consist of 2,000 tons of asphalt placed or one day's production, whichever produces the most lots. Where more than one plant is simultaneously producing material for the job, the lot sizes shall apply separately for each plant.
  - (1) Sampling. Each lot will consist of four equal sublots. Sufficient material for preparation of test specimens for all testing will be sampled by the Engineer on a random basis, in accordance with the procedures contained in ASTM D 3665. One set of laboratory compacted specimens will be prepared for each subplot in accordance with ASTM D 6926, at the number of blows required by paragraph 401S-3.2, Table 1. Each set of laboratory compacted specimens will consist of three test portions prepared from the same sample increment.

The sample of bituminous mixture may be put in a covered metal tin and placed in an oven for not less than 30 minutes nor more than 60 minutes to

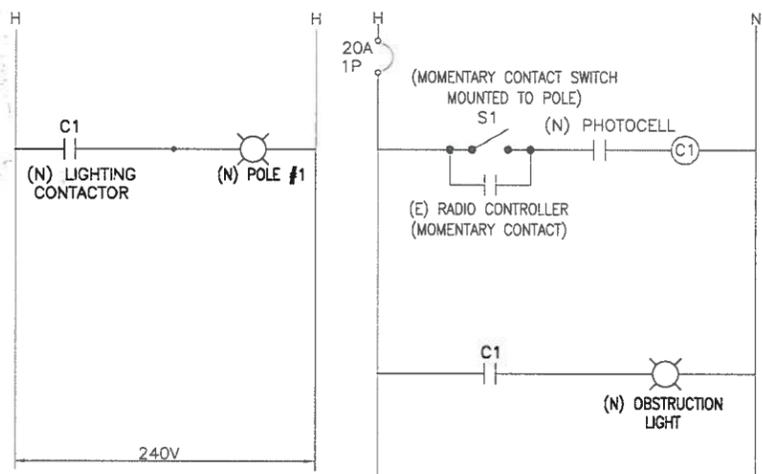
shall determine the reason and take corrective action. If the PWL is below 80%, the Contractor must stop production and make adjustments to the mix. Lots with PWL below 80% for stability or flow values shall be removed and replaced at the expense of the Contractor.

- (3) Joint Density. Acceptance of each lot of plant produced material for joint density shall be based on the percentage of material within specification limits (PWL). If the PWL of the lot is equal to or exceeds 90%, the lot shall be considered acceptable. If the PWL is less than 90%, the Contractor shall evaluate the reason and act accordingly. If the PWL is less than 80%, the Contractor shall cease operations and until the reason for poor compaction has been determined. IF THE PWL IS LESS THAN 71%, THE PAY FACTOR FOR THE LOT USED TO COMPLETE THE JOINT SHALL BE REDUCED BY 5 PERCENTAGE POINTS. This lot pay factor reduction shall be incorporated and evaluated in accordance with paragraph 401S-8.1.
- (4) Thickness. Thickness of each lift of surface course shall be evaluated by the Engineer for compliance to the requirements shown on the plans. Measurements of thickness shall be made by the Engineer using the cores extracted for each subplot for density measurement. The maximum allowable deficiency at any point shall not be more than  $\frac{1}{4}$ -inch less than the thickness indicated for the lift. Average thickness of lift, or combined lifts, shall not be less than the indicated thickness. Where the thickness tolerances are not met, the lot or subplot shall be corrected by the Contractor at his expense by removing the deficient area and replacing with new pavement. The Contractor, at his expense, may take additional cores as approved by the Engineer to circumscribe the deficient area.
- (5) Smoothness. The final surface shall be free from roller marks. The finished surfaces of each course of the pavement, except the finished surface of the final course, shall not vary more than  $\frac{3}{8}$ -inch when evaluated with a 16-foot straightedge. The finished surface of the final course of pavement shall not vary more than  $\frac{1}{4}$ -inch when evaluated with a 16-foot straightedge. The lot size shall be 2,000 tons. Smoothness measurements shall be made at 50-foot intervals and as determined by the Engineer. In the longitudinal direction, a smoothness reading shall be made at the center of each paving lane. In the transverse direction, smoothness readings shall be made continuously across the full width of the pavement. However, transverse smoothness readings shall not be made across designed grade changes. At warped transition areas, straightedge position shall be adjusted to measure surface smoothness and not design grade transitions. When more than 15 percent of all measurements within a lot exceed the specified tolerance, the Contractor shall remove the deficient area to the depth of the final course of pavement and replace with new material. Skin patching shall not be permitted. Isolated high points may be ground off providing the course thickness complies with the thickness specified on the plans. High point grinding

will be limited to 15 square yards. Areas in excess of 15 square yards will require removal and replacement of the pavement in accordance with the limitations noted above.

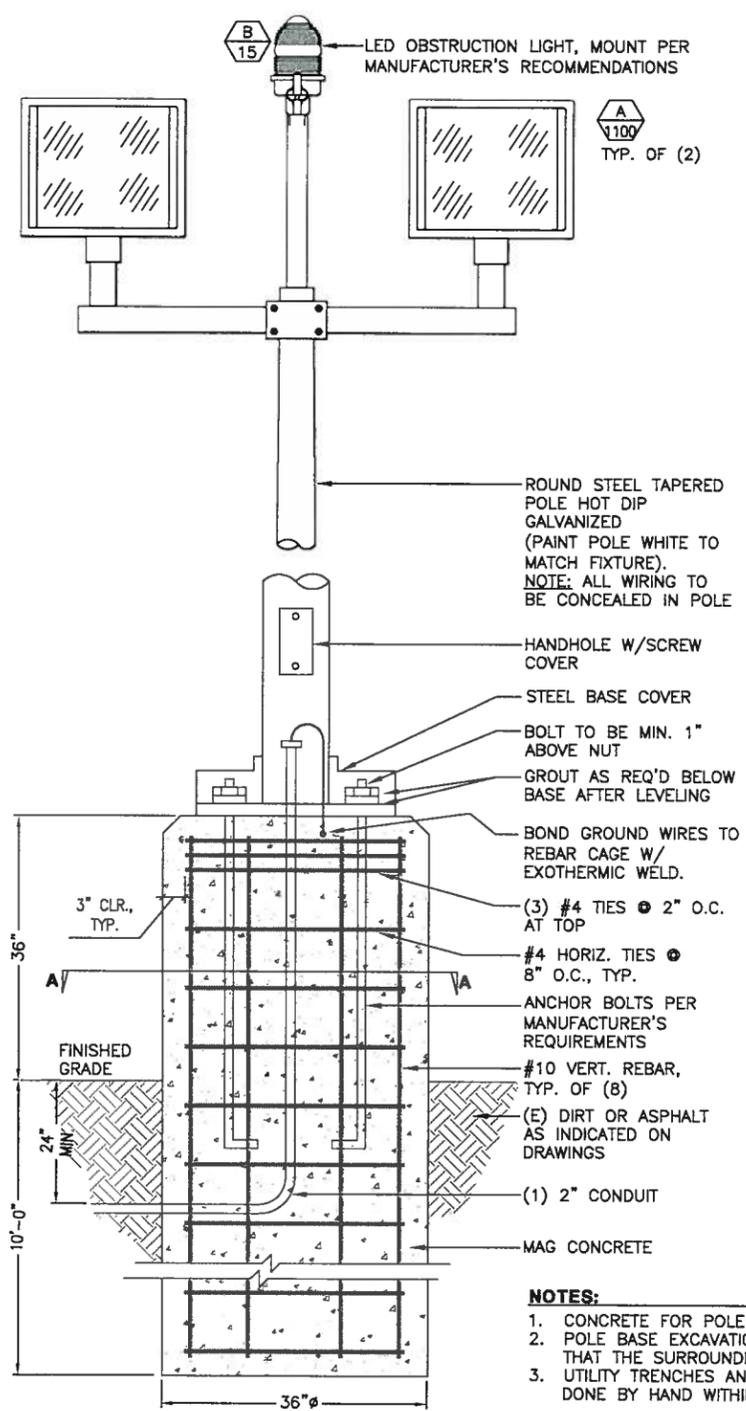
- (6) Grade. The finished surface of the pavement shall not vary from the gradeline elevations and cross sections shown on the plans by more than ½-inch. The finished grade of each lot will be determined by running levels at intervals of 50 feet or less longitudinally and all breaks in grade transversely (not to exceed 50 feet) to determine the elevation of the completed pavement. The Contractor shall pay the cost of surveying of the level runs that shall be performed by a licensed surveyor. The documentation, stamped and signed by a licensed surveyor, shall be provided by the Contractor to the Engineer. The lot size shall be 2,000 tons. When more than 15% of all the measurements within a lot are outside the specified tolerance, or if any one shot within the lot deviates ¾-inch or more from planned grade, the Contractor shall remove the deficient area to the depth of the final course of pavement and replace with new material. Skin patching shall not be permitted. Isolated high points may be ground off providing the course thickness complies with the thickness specified on the plans. High point grinding will be limited to 15 square yards. Areas in excess of 15 square yards will require removal and replacement of the pavement in accordance with the limitations noted above.
- c. Percentage of Material Within Specification Limits (PWL). The percentage of material within specification limits (PWL) shall be determined in accordance with procedures specified in Section 110 of the General Provisions. The specification tolerance limits (L) for lower and (U) for upper are contained in Table 4.
  - d. Outliers. All individual tests for mat density and air voids shall be checked for outliers (test criterion) in accordance with ASTM E 178, at a significance level of 5%. Outliers shall be discarded, and the PWL shall be determined using the remaining test values.

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- NOTES:**
1. PROVIDE COIL POWER FOR (N) CONTACTOR VIA OBSTRUCTION LIGHT CIRCUIT.
  2. PHOTOCELL MOUNTED ON ROOF OF VAULT BUILDING AND AIMED TO THE NORTH.

**1 ELECTRICAL LIGHTING LADDER DIAGRAM**  
 NO SCALE



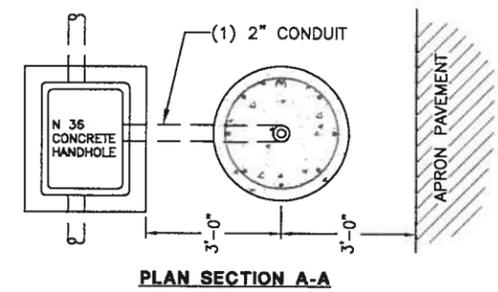
- NOTES:**
1. CONCRETE FOR POLE BASES SHALL MEET MAG SPECS.
  2. POLE BASE EXCAVATIONS SHALL BE CAREFULLY AUGERED SO THAT THE SURROUNDING SOIL IS UNDISTURBED.
  3. UTILITY TRENCHES AND ANY OTHER EXCAVATIONS SHALL BE DONE BY HAND WITHIN 6 FEET OF ANY OF THE POLE BASES.

**2 APRON FIXTURE POLE & BASE DETAIL**  
 NTS

LIGHT FIXTURE SCHEDULE			
SYMBOL	DESCRIPTION	MANUFACTURER	LAMPS
A 100		STERNER LIGHTING #B76-AL-SF-1000S-240-C OR APPROVED SUBSTITUTE  WIDELITE #A 2100-AKTRA II 1000W CUTOFF FLOOD LIGHT OR APPROVED SUBSTITUTE	(1) 1000W CLEAR, HPS E-25 MOGUL SCREW
B 15	FAA L-810 OBSTRUCTION RED MARKER LIGHT, LED 120V DIALIGHT 860-1RU1-001, ON TOP OF POLE	DIAL LIGHT #860-1R03-001, 120V, SINGLE HEAD. SIEMENS L-810 LED #SBOL-1110 SINGLE HEAD	LED 15W
	POLES 30\" TAPERED ROUND GALVANIZED STEEL POLE LED OBSTRUCTION LIGHT. MOUNT ONE ON EACH P'	WHITCO #RTSP-60-12-V1-AB- GP(DB)-FB-OL-CA (CRA-ST-04).  VALMONT DS210 HEAVY DUTY POLE MODLE#R800A300	

**NOTES:**

1. FIXTURE MANUFACTURER AND CATALOG NUMBERS ARE INTENDED TO DEFINE THE GENERAL FIXTURE CONSTRUCTION, LEVEL OF QUALITY AND MAJOR FEATURES. FINAL FEATURE MANUFACTURER AND CATALOG NUMBERS SHALL REFLECT ALL REQUIRED COMPONENTS, HARDWARE AND OPTIONS.
2. ALL HIGH PRESSURE SODIUM LAMPS SHALL BE QUICK-RESTRRIKE, DUAL-ARC TUBE, OSRAM #67543 OR APPROVED SUBSTITUTE.



**PLAN SECTION A-A**

NO.	DESCRIPTION	DATE	BY	CHECKED	APPROVED



SCALE	AS NOTED
DESIGN BY	TJL
DRAWN BY	TJL
CHECKED BY	TJL
DATE	03/09
PROJECT NUMBER	058712110

**LEE VINING AIRPORT  
 RUNWAY RECONSTRUCTION  
 TYPICAL ELECTRICAL INSTALLATION DETAILS**





## BID ITEM L-881

### PRECISION APPROACH PATH INDICATOR (PAPI) SYSTEMS

2. Radio Control - Each PAPI shall be individually turned on and off by an air-to-ground radio control together with the runway lighting circuit. Nighttime use will be configured with the photocell to only activate the PAPI with radio control. Daytime use will be such that the PAPI remains on at all times during daylight hours. The control which activates these systems shall be located in the airfield lighting vault.
- d. Other Control Configurations -
1. Interlock Relay - During hours of darkness, it is desirable that the PAPI be on only when the runway lights are on. To provide this feature, an interlock relay shall be installed in series with the night intensity contacts on the photocell controller. The contacts are normally open but are closed by photocell action during hours of darkness. The normally open contacts of the interlock relay are closed only when the relay senses current in the runway circuit. This configuration prevents energizing the PAPI during hours of darkness unless the runway lights are on. It shall not affect daytime operation of the PAPI.

#### 881-4.7 INSTALLATION DETAILS.

- a. Foundations. Foundations for mounting light boxes shall be made of concrete and designed to prevent frost heave or other displacement. The foundation shall be constructed as detailed on drawings. Foundation shall not be more than 1 inches (25 mm) above grade. All light boxes shall be frangibly mounted to the foundation as detailed on the plans.
- b. Electrical. The installation shall conform to the applicable sections of the National Electrical Code and local codes. All electrical connections to the light unit shall be made via plugs and receptacles to allow the unit to pull free in the event it is struck by an aircraft. Any extra control circuitry shall be housed in an enclosure to protect it from the environment. All underground cable shall be installed in accordance with Item L-108. Any underground connections shall be made via splices or appropriately rated plugs.

#### METHOD OF MEASUREMENT

**881-5.1 QUANTITY.** The quantity to be measured shall be lump sum for the furnishing and installation of each Type L-881, Style B, PAPI system and accepted by the Airport.

#### BASIS OF PAYMENT

**881-6.1 PAPI SYSTEM.** Payment shall be made at the contract price for each PAPI systems' installation, in place furnished, shipped and accepted by the Airport. Under Bid Item in proposal, the unit price shall be full compensation for furnishing all materials and for all preparation, erection and installation of these materials, including light units, spare parts, maintenance tools, instruction manuals, power/control unit, grounding system (ground rods, conductors and ground rod stations), L-830 isolation transformers, L-867 base cans, conduit and conductors, concrete bases, concrete handhole(s) at the PAPI site, installation and an allowance for factory aiming, and preliminary flight checking, completed in accordance with plans and specifications to complete the Item. The unit price of each of these items shall also include the contractor's overhead, profit and markup.

**GATE FEE SUMMARY (Tonnage-Based)**  
**Benton Crossing / Bridgeport / Pumice Valley / Walker**  
**Mono County Solid Waste Program**

Category / Item Description	Unit Cost
<b>BASE RATE (Basis of Gate Fee for All Municipal Solid Waste)</b> .....	<b>\$44.00 per ton</b>
<b>Minimum Gate Fee</b> .....	<b>\$1.50 per load</b>
<b>Mixed Household and Commercial Waste</b> .....	<b>\$44.00 per ton</b>
<b>Construction and Demolition (C&amp;D) Waste.</b>	
Mixed Building C&D Debris (mixed lumber, drywall, shingles, other bldg. debris).....	\$44.00 per ton
Inert Construction and Demolition Debris.	
Clean loads of gravel, soil, or asphalt grindings ..... (pieces no larger than 6" at its largest dimension)	No Charge
Clean loads of small broken asphalt or concrete only ..... (pieces no larger than 12" at its largest dimension) <i>not BP</i>	\$7.00 per ton
Mixed inert debris or loads of large concrete / asphalt chunks .....	\$14.00 per ton
<i>not BP</i>	
<b>Wood, Green Waste, and Similar Organics.</b>	
Organics (clean loads of wood chips, bark, hay, manure, grass clippings, sod).....	No Charge
Wood (clean loads of scrap wood, lumber, prunings, brush, tree limbs).....	\$11.00 per ton
Tree Trunks (dia. > 18") and Stumps (accepted only at Benton Crossing) .....	\$44.00 per ton
<b>Recyclables, Electronic Waste, Household Hazardous Waste (HHW), Universal Waste.</b>	
Batteries (lead-acid for vehicles or other motor-powered equipment).....	No Charge
Recyclables (cardboard, glass / plastic bottles, aluminum cans, other – see gate attendant) .....	No Charge
Household Hazardous Waste (paint, pesticides, solvents, cleaning products, other HHW) .....	No Charge
Universal Wastes (fluorescent tubes, household batteries, mercury devices, etc.) .....	No Charge
Used Motor Oil or Oil Filters .....	No Charge
Cathode Ray Tubes (televisions & computer monitors) .....	\$3.50 ea. + \$11.00 per ton
Consumer Electronic Devices (VCRs, DVD players, stereos, phones, computers, etc.) .....	\$11.00 per ton
<b>Tires.</b>	
Whole Tires.	
Passenger car / truck tires (dia. < 42" or width < 11").....	\$3.50 ea. + \$11.00 per ton
Oversized tires and tractor tires (dia. > 42" or width > 11").....	\$44.00 ea. + \$11.00 per ton
Additional surcharge for any tire still on the rim .....	\$3.50 ea. + \$11.00 per ton

continued...

LEE VINING AIRPORT  
 RUNWAY RECONSTRUCTION  
 Pre-Bid Meeting

May 29, 2009 – 10:30 a.m.

SIGN-IN SHEET

Name and Company	Mailing Address	Phone and Fax Number	E-Mail Address
Jim Clague PBS&J	555 Double Eagle Court, Suite 2000 Reno, NV 89521	(775) 828-1622 (775) 828-1826	<a href="mailto:jclague@pbsj.com">jclague@pbsj.com</a>
Kara Bymers PBS&J	555 Double Eagle Court, Suite 2000 Reno, NV 89521	(775) 828-1622 (775) 828-1826	<a href="mailto:kmbymers@pbsj.com">kmbymers@pbsj.com</a>
Kelly Garcia Mono County Public Works	P.O. Box 457 Bridgeport, CA 93517	(760) 932-5440 (760) 932-5441	<a href="mailto:kgarcia@mono.ca.gov">kgarcia@mono.ca.gov</a>
Mike Rooley SNC	2055 E. Greg Street Sparks, NV 89432	(775) 355-0420 (775) 355-0535	<a href="mailto:dtranberg@snc.biz">dtranberg@snc.biz</a>
Scott Lazear Qualcon Contractor, Inc.	1645 Esmeralda Dr. Minden, NV 89423	(775) 782-2006 (775) 782-3226	<a href="mailto:gerry@qualcongec.com">gerry@qualcongec.com</a>
Scott Schoenfeld Joy Engineering	1584 Wolf Meadows Lane Portola, CA 96122	(530) 832-5760 (530) 832-5472	<a href="mailto:sschoenfeld@joyengineering.com">sschoenfeld@joyengineering.com</a>
Walt Weishaar Granite Construction	P.O. Box 5127 Bakersfield, CA 93388	(661) 399-3361 (661) 399-3598	<a href="mailto:Walter.weishaar@gcinc.com">Walter.weishaar@gcinc.com</a>
Rick Thompson Road and Highway Builders	96 Glen Carran Circle #106 Sparks, NV 89431	(775) 852-7283 (775) 359-7248	<a href="mailto:Rithompson8@aol.com">Rithompson8@aol.com</a>
Nick Kariger Professional Pipeline Construction	42851 North Sierra Hwy Lancaster, CA 93536	(661) 949-9799 (661) 949-9889	<a href="mailto:nkariger@profpipeline.com">nkariger@profpipeline.com</a>