

**Elko City Council  
Agenda Action Sheet**

1. **Title: Review, consideration, and possible authorization to solicit bids for the Elko Swimming Pool Repair Project, and matters related thereto. FOR POSSIBLE ACTION**
2. **Meeting Date: January 8, 2019**
3. **Agenda Category: APPROPRIATION**
4. **Time Required: 20 Minutes**
5. **Background Information: The north wall of the swimming pool enclosure requires substantial repair. The City entered into a Professional Service Agreement with Lostra Engineering on December 7, 2018 to conduct structural inspections of the wall, complete a preliminary design and preliminary engineer's estimate, complete a final design and prepare bid documents as approved by the city. The Engineer has completed structural inspections of the wall, developed a preliminary design of sufficient detail to develop and provide a preliminary engineer's estimate completing phase 1 of the agreement. Prior to authorization to proceed with Phase II and Phase III of the agreement, Staff is requesting authorization to solicit bids. JW**
6. **Budget Information:**
  - Appropriation Required: \$XXX,XXX.00**
  - Budget amount available: \$XXX,XXX.00**
  - Fund name: General and/or Recreation**
7. **Business Impact Statement: Not Required**
8. **Supplemental Agenda Information: Agreement for Professional Services, Preliminary Design and Preliminary Engineer's Estimate**
9. **Recommended Motion: Pleasure of Council**
10. **Prepared By: James Wiley, Parks and Recreation Director**
11. **Committee/Other Agency Review:**
12. **Council Action:**
13. **Council Agenda Distribution:**

## Engineers Estimate

**Client: City of Elko**

**Project Address: 1501 College Avenue, Elko, Nevada**

**Project Description: Municipal Swimming Pool 2018 Repair/Remodel Project**

Description	Units	Unit Price	Cost	Markup	Total
<b><u>Division 1 - General Requirements</u></b>					
Terry's Porta Toilets	3	\$85.00	\$255.00	\$76.50	\$331.50
Building Permit (City of Elko - Waived)	0	\$0.00	\$0.00		\$0.00
Lostra Engineering Design	0	\$0.00	\$0.00		\$0.00
Tools	8	\$250.00	\$2,000.00		\$2,000.00
Fuel (Days)	21	\$83.75	\$1,758.75		\$1,758.75
Mobilization	1	\$1,500.00	\$1,500.00		\$1,500.00
Demobilization	1	\$1,500.00	\$1,500.00		\$1,500.00
Trucks (3 Total)	21	\$200.00	\$4,200.00		\$4,200.00

Description	Units	Unit Price	Cost	Markup	Total
<b><u>Division 2 - Site Construction</u></b>					
Demolition (Saw Cutting, Brick Removal, Etc.)	1	\$4,500.00	\$4,500.00		\$4,500.00
Excavation (Mini-Excavation) - Rental Included	1	\$3,600.00	\$3,600.00		\$3,600.00
Cold Weather Protection	3	\$500.00	\$1,500.00		\$1,500.00
Dump Fees (Building Material)	24.75	\$34.00	\$841.50		\$841.50
Dump Fees (Concrete Removal - 500 Sq. Ft.)	18.75	\$15.50	\$290.63		\$290.63

Description	Units	Unit Price	Cost	Markup	Total
<b><u>Division 3 - Concrete</u></b>					
Perimeter Stem Wall (100 LF)	27	\$250.00	\$6,750.00	\$675.00	\$7,425.00
Column Encasement (5 Columns)	12	\$250.00	\$3,000.00	\$300.00	\$3,300.00
Concrete Slab On Grade (500 Sq. Ft.)	11	\$250.00	\$2,750.00	\$275.00	\$3,025.00

Description	Units	Unit Price	Cost	Markup	Total
<b><u>Division 4 - Masonry</u></b>					
Column Brick Repair Allowance (South Side)	1	\$1,500.00	\$1,500.00	\$450.00	\$1,950.00

Description	Units	Unit Price	Cost	Markup	Total
<b><u>Division 5 - Metals</u></b>					
Steel Girts (HSS 10X4X1/4 - 538lbs @ \$1.60)	20	\$860.80	\$17,216.00	\$1,721.60	\$18,937.60

**Division 6 - Woods & Plastics**

	Units	Unit Price	Cost	Markup	Total
Wood Studs (Exterior Wall)	84	\$6.50	\$546.00	\$163.80	\$709.80
OSB Sheathing	15	\$25.00	\$375.00	\$112.50	\$487.50

**Division 7 - Thermo & Moisture**

Building Wrap - Tyvek 9'x150'	1	\$95.49	\$95.49	\$28.65	\$124.14
Metal Siding & Roofing Package	2900	\$3.00	\$8,700.00	\$2,610.00	\$11,310.00
Building Insulation	2900	\$2.00	\$5,800.00	\$1,740.00	\$7,540.00

**Division 8 - Doors & Windows**

Windows (Double Pane - Low E (6'X4') w/ Install	4	\$650.00	\$2,600.00	\$260.00	\$2,860.00
Entrance Door w/ Install	1	\$2,500.00	\$2,500.00	\$250.00	\$2,750.00

**Division 9 - Finishes**

Gypsum Wall Board Labor/Material	400	\$8.00	\$3,200.00	\$960.00	\$4,160.00
Interior Paint Labor/Material	400	\$4.00	\$1,600.00	\$480.00	\$2,080.00
Interior Liner Panel	2500	\$4.00	\$10,000.00	\$1,000.00	\$11,000.00

**Division 10 - Specialties**

Landscape Repair Allowance	1	5,000.00	\$5,000.00		\$5,000.00
Fence Repair Allowance	1	1,000.00	\$1,000.00		\$1,000.00

**Division 11 - Equipment**

All Terrain Fork Lift (Week Rental)	7	1,679.00	\$11,753.00	\$1,175.30	\$12,928.30
Skid Steer (Week Rental)	4	\$1,000.00	\$4,000.00	\$400.00	\$4,400.00
Scissor Lift (Week Rental)	7	\$289.00	\$2,023.00	\$202.30	\$2,225.30
Delivery & Pickup Charge Each	3	\$458.00	\$1,374.00	\$137.40	\$1,511.40
Dump Truck Haul Off (3 Days)	24	\$189.00	\$4,536.00	\$453.60	\$4,989.60

**Division 12 - Furnishings**

Existing Glulam Beam Preventative Maintenance	5	1,000.00	\$5,000.00	\$500.00	\$5,500.00
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**Division 13 - Special Construction**

Existing Steel Column Paint/Preparation 5 600.00 \$3,000.00 \$300.00 \$3,300.00

Division 14 - Conveying Systems

Division 15 - Mechanical

Division 16 - Electrical

Electrical Fixture Allowance/ Bay 4 \$1,000.00 \$4,000.00 \$400.00 \$4,400.00  
 Electrical Labor (2 Guys - 2 Days) 32 \$57.88 \$1,852.16 \$926.08 \$2,778.24

General Contractor Labor

	Hours	Rate	Total	Taxes/Ins.	Total
Foreman (Assumed 8 Weeks - 40 Hours/Week)	320	\$47.36	\$15,155.20	\$7,577.60	\$22,732.80
Carpenter (Assumed 8 Weeks - 40 Hours/Week)	320	\$47.36	\$15,155.20	\$7,577.60	\$22,732.80
Carpenter (Assumed 8 Weeks - 40 Hours/Week)	320	\$47.36	\$15,155.20	\$7,577.60	\$22,732.80
Laborer (Assumed 8 Weeks - 40 Hours/Week)	320	\$38.08	\$12,185.60	\$6,092.80	\$18,278.40
Laborer (Assumed 8 Weeks - 40 Hours/Week)	320	\$38.18	\$12,217.60	\$6,108.80	\$18,326.40

Total Cost

Unit	Unit Price	Cost	Markup	Total
		\$201,985.33	\$50,532.13	\$252,517.45

Administration, Management & Insurance

201.985325	\$93.00	\$18,784.64		\$18,784.64
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Profit

\$271,302.09	0.1	\$27,130.21		\$27,130.21
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Total Project Cost

**\$298,432.30**

Total Project Profit

\$77,662.34

% Profit of Total Project Cost

26.02%

Total Project Cost w/ Contingency

	1.15			\$343,197.14
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Concrete Yards	Length	Width	Height	Cu. Ft.	Total Yards
Perimeter Stem Wall	100	1	6.5	650	24.07
Column Encasement	70	0.5	8	280	10.37
Concrete Slab On Grade	100	5	0.5	250	9.26
<b>Total Foundation Concrete</b>					<b>43.70</b>
<b>Waste</b>					<b>8.74</b>
<b>Total Yards</b>					<b>52.44</b>

Labor Description	Hours	Rate	Total	Taxes/Ins. 25%	Total
Foreman	320	45	\$14,400.00	\$3,600.00	\$18,000.00
Carpenter	320	35	\$11,200.00	\$2,800.00	\$14,000.00
Carpenter	320	35	\$11,200.00	\$2,800.00	\$14,000.00
Laborer	320	20	\$6,400.00	\$1,600.00	\$8,000.00
Laborer	320	20	\$6,400.00	\$1,600.00	\$8,000.00
<b>Total Labor</b>					<b>\$62,000.00</b>

## Engineers Estimate

**Client: City of Elko**

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Cold Weather Protection	3	\$500.00	\$1,500.00		\$1,500.00
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Dump Fees (Concrete Removal - 500 Sq. Ft.)	18.75	\$15.50	\$290.63		\$290.63

<b><u>Division 3 - Concrete</u></b>					
Description	Units	Unit Price	Cost	Markup	Total
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15	\$25.00	\$375.00	\$112.50	\$487.50

**Division 7 - Thermo & Moisture**

1	\$95.49	\$95.49	\$28.65	\$124.14
2900	\$3.00	\$8,700.00	\$2,610.00	\$11,310.00
2900	\$2.00	\$5,800.00	\$1,740.00	\$7,540.00

**Division 8 - Doors & Windows**

4	\$650.00	\$2,600.00	\$260.00	\$2,860.00
1	\$2,500.00	\$2,500.00	\$250.00	\$2,750.00

**Division 9 - Finishes**

400	\$8.00	\$3,200.00	\$960.00	\$4,160.00
400	\$4.00	\$1,600.00	\$480.00	\$2,080.00
2500	\$4.00	\$10,000.00	\$1,000.00	\$11,000.00

**Division 10 - Specialties**

1	5,000.00	\$5,000.00		\$5,000.00
1	1,000.00	\$1,000.00		\$1,000.00

**Division 11 - Equipment**

7	1,679.00	\$11,753.00	\$1,175.30	\$12,928.30
4	\$1,000.00	\$4,000.00	\$400.00	\$4,400.00
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3	\$458.00	\$1,374.00	\$137.40	\$1,511.40
24	\$189.00	\$4,536.00	\$453.60	\$4,989.60

**Division 12 - Furnishings**

5	1,000.00	\$5,000.00	\$500.00	\$5,500.00
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**Division 13 - Special Construction**

Existing Glulam Beam Preventative Maintenance



Existing Steel Column Paint/Preparation 5 600.00 \$3,000.00 \$300.00 \$3,300.00

Division 14 - Conveying Systems

Division 15 - Mechanical

Units	Unit Price	Cost	Markup	Total
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Division 16 - Electrical

Units	Unit Price	Cost	Markup	Total
4	\$1,000.00	\$4,000.00	\$400.00	\$4,400.00
32	\$55.00	\$1,760.00	\$176.00	\$1,936.00

General Contractor Labor

Hours	Rate	Total	Taxes/Ins.	Total
320	\$45.00	\$14,400.00	\$3,600.00	\$18,000.00
320	\$35.00	\$11,200.00	\$2,800.00	\$14,000.00
320	\$35.00	\$11,200.00	\$2,800.00	\$14,000.00
320	\$20.00	\$6,400.00	\$1,600.00	\$8,000.00
320	\$20.00	\$6,400.00	\$1,600.00	\$8,000.00

Total Cost

Unit	Unit Price	Cost	Markup	Total
		\$181,624.37	\$27,247.65	\$208,872.01

Administration, Management & Insurance

181.624365	\$93.00	\$16,891.07		\$16,891.07
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Profit

\$225,763.08	0.1	\$22,576.31		\$22,576.31
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Total Project Cost

**\$248,339.39**

Total Project Profit

\$49,823.95

% Profit of Total Project Cost

20.06%

Total Project Cost w/ Contingency

1.15 \$285,590.29

Concrete Yards	Length	Width	Height	Cu. Ft.	Total Yards
Perimeter Stem Wall	100	1	6.5	650	24.07
Column Encasement	70	0.5	8	280	10.37
Concrete Slab On Grade	100	5	0.5	250	9.26
<b>Total Foundation Concrete</b>					<b>43.70</b>
<b>Waste</b>					<b>8.74</b>
<b>Total Yards</b>					<b>52.44</b>

Labor Description	Hours	Rate	Total	Taxes/Ins. 25%	Total
Foreman	320	45	\$14,400.00	\$3,600.00	\$18,000.00
Carpenter	320	35	\$11,200.00	\$2,800.00	\$14,000.00
Carpenter	320	35	\$11,200.00	\$2,800.00	\$14,000.00
Laborer	320	20	\$6,400.00	\$1,600.00	\$8,000.00
Laborer	320	20	\$6,400.00	\$1,600.00	\$8,000.00
<b>Total Labor</b>					<b>\$62,000.00</b>

# STATE OF NEVADA

BRIAN SANDOVAL  
GOVERNOR

C. J. MANTHE  
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SHANNON M. CHAMBERS  
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## 2019 PREVAILING WAGE RATES ELKO COUNTY

DATE OF DETERMINATION: October 1, 2018

APPLICABLE FOR PUBLIC WORKS PROJECTS OVER \$250,000 BID/AWARDED  
OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019\*

"Pursuant to Nevada Administrative Code (NAC) section 338.040(3), "After a contract has been awarded, the prevailing rates of wages in effect at the time of the opening of bids remain in effect for the duration of the project."

**As Amendments/Addenda are made to the wage rates, such will be posted to sites of the respective counties. Please review regularly for any amendments posted or contact our offices directly for further assistance with any amendments to the rates. \*Prevailing Wage Rates may be adjusted based on Collective Bargaining Agreements (CBA's) and adjustments to those agreements. (See NAC section 338.010.)**

AIR BALANCE TECHNICIAN  
ALARM INSTALLER  
BOILERMAKER  
BRICKLAYER  
CARPENTER  
CEMENT MASON  
ELECTRICIAN-COMMUNICATION TECH.  
ELECTRICIAN-LINE  
ELECTRICIAN-NEON SIGN  
ELECTRICIAN-WIREMAN  
ELEVATOR CONSTRUCTOR  
FENCE ERECTOR  
FLAGPERSON  
FLOOR COVERER  
GLAZIER  
HIGHWAY STRIPER  
HOD CARRIER-BRICK MASON  
HOD CARRIER-PLASTERER TENDER  
IRON WORKER  
LABORER  
MECHANICAL INSULATOR  
MILLWRIGHT

OPERATING ENGINEER  
OPERATING ENG. STEEL  
FABRICATOR/ERECTOR  
OPERATING ENGINEER-PILEDRIIVER  
PAINTER  
PILEDRIIVER (NON-EQUIPMENT)  
PLASTERER  
PLUMBER/PIPEFITTER  
REFRIGERATION  
ROOFER (Does not include sheet metal roofs)  
SHEET METAL WORKER  
SPRINKLER FITTER  
SURVEYOR (NON-LICENSED)  
TAPER  
TILE /TERRAZZO WORKER/MARBLE MASON  
TRAFFIC BARRIER ERECTOR  
TRUCK DRIVER  
WELL DRILLER  
LUBRICATION AND SERVICE ENGINEER  
(MOBILE AND GREASE RACK)  
SOIL TESTER (CERTIFIED)  
SOILS AND MATERIALS TESTER

**Nevada Revised Statutes (NRS) 338.010(21) "Wages" means:**

- a) The basic hourly rate of pay; and
- b) The amount of pension, health and welfare, vacation and holiday pay, the cost of apprenticeship training or other similar programs or other bona fide fringe benefits which are a benefit to the workman.

**NRS 338.030 (2)(d)**

The Labor Commissioner shall determine the prevailing wage to be 90 percent of the rate determined pursuant to paragraphs (a), (b) and (c) for:

(1) Any contract for a public work or any other construction, alteration, repair, remodeling or reconstruction of an improvement or property to which a school district or the Nevada System of Higher Education is a party; and

(2) A public work of, or constructed by, a school district or the Nevada System of Higher Education, or any other construction, alteration, repair, remodeling or reconstruction of an improvement or property of or constructed by a school district or the Nevada System of Higher Education.

**NRS 338.035** Discharge of part of obligation of contractor or subcontractor engaged on public work to pay wages by making certain contributions in name of workman. The obligation of a contractor engaged on a public work or a subcontractor engaged on a public work to pay wages in accordance with the determination of the Labor Commissioner may be discharged in part by making contributions to a third person pursuant to a fund, plan or program in the name of the workman.

**Job Descriptions for Recognized Classes of Workmen**

Regarding job descriptions for public works projects, please take notice of the following:

1. The job description links have been redacted to include ONLY the scope of work for the craft.
2. Pursuant to NAC 338.0095(1)(a), "A workman employed on a public work must be paid based on the type of work that the workman actually performs on the public work and in accordance with the recognized class of the workman."
3. The work description for a particular class is not intended to be jurisdictional in scope.
4. Any person who believes that a type of work is not classified, or who otherwise needs clarification pertaining to the recognized classes or job descriptions, shall contact the Labor Commissioner, in writing, for a determination of the applicable classification and pay rate for a particular type of work.
5. The job descriptions set forth or referenced herein supersede any and all descriptions previously agreed upon by the Labor Commissioner in any settlement agreements or stipulations arising out of contested matters.
6. The following specific provisions, where applicable, shall prevail over any general provisions of the job descriptions:
  - Amendments to the prevailing wage determinations;
  - Group Classifications and/or descriptions recognized by the Labor Commissioner and included with wage determinations for a particular type of work in a particular county.

**Zone Rates**

The zone rate has been added to each applicable craft.

**PREVAILING WAGE RATES INCLUDE THE BASE RATE AS WELL AS ALL APPLICABLE FRINGES**

CRAFT	RATE	NSHE OR SCHOOL DISTRICT	Union or Non-Union Rate
<b>AIR BALANCE TECHNICIAN</b>			Union
Air Balance-Journeyman	60.43	54.39	
Air Balance-Foreman	63.56	57.20	
Air Balance-General Foreman	66.68	60.01	

**AIR BALANCE TECHNICIAN JOB DESCRIPTION**

A separate free zone will be established for employees permanently residing and working within a seventy-five (75) mile radius of the Elko, Nevada Post Office.

Zone 1- 0 to 75 miles	\$0.00
Zone 2- 75 to 100	\$5.00
Zone 3- over 100	\$10.00

**ADD ZONE RATE**

In addition to AIR BALANCE rates add the applicable amounts per hour, calculated based on a road from the courthouse in Elko County Courthouse, Nevada:

Zone 1- 0 to 75 miles	\$0.00
Zone 2- 75 to 100	\$5.00
Zone 3- over 100	\$10.00

<b>ALARM INSTALLER</b>			Non-Union
Alarm Installer	31.70	28.53	

**ALARM INSTALLER**

Includes but is not limited to:

1. Installing or testing electrical protective signaling systems used to provide notification of fire, burglary or other irregularities on the premises of the subscriber of the system;
2. Installing of wiring and signaling units;
3. Repairing electrical protective signaling systems
4. Starting up, programming and documenting systems;

<b>BOILERMAKER</b>			Union
Boilermaker-Journeyman	65.94	59.35	
Boilermaker-Foreman	65.94	59.35	
Boilermaker-General Foreman	65.94	59.35	

**BOILERMAKER**

Includes but is not limited to:

1. Constructing, assembling, maintaining and repairing stationary steam boilers and boiler house auxiliaries;
2. Aligning structures or plate sections to assemble boiler frame tanks or vats;
3. Assisting in the testing of assembled vessels, directing cleaning of boilers and boiler furnaces;
4. Inspecting and repairing boiler fittings, including, without limitation, safety valves, regulators, automatic-control mechanisms, water columns and auxiliary machines.

<b>BRICKLAYER</b>			Union
Bricklayer	39.73	35.76	

**BRICKLAYER JOB DESCRIPTION**

**ADD ZONE RATE**

In addition to BRICKLAYER rates add the applicable amounts per hour, calculated based on a road miles of over fifty thirty-five (35) miles from the Washoe County Courthouse in Reno, Nevada:

Free Zone 1-0-34 Miles	\$0.00
Zone 1-35-75 Miles	\$2.50
Zone 2-Over 75 Miles	\$8.13

<b>CARPENTER</b>	<b>See Amendment 1</b>		Union
Carpenter	47.36	42.62	

**CARPENTER JOB DESCRIPTION**

**ADD ZONE RATE**

(Building and Heavy Highway and Dam Construction)

In addition to CARPENTER rates add the applicable amounts per hour, calculated from the Washoe County Courthouse:

Zone 1-0 to 75 miles	\$0.00 (road miles of either the Carson City Courthouse or the Washoe County Courthouse)
Zone 2-75-150 miles	\$4.00
Zone 3-150-300 miles	\$5.00
Zone 4-301 miles and over	\$6.00

<b>CEMENT MASON</b>			Union
Cement Mason-Journeyman	41.12	37.01	
Cement Mason-Foreman	44.12	39.71	

**CEMENT MASON JOB DESCRIPTION**

**ADD ZONE RATE**

In addition to CEMENT MASON rates add the applicable amounts per hour, calculated from the Reno Post Office, 50 So. Virginia St., Reno, Nevada:

Zone 1-0-90 miles	\$0.00
Zone 2-91 miles and over	\$6.00

<b>ELECTRICIAN-COMMUNICATION TECHNICIAN</b>			Union
Communication Technician	36.49	32.84	

**ELECTRICIAN-COMMUNICATION TECH JOB DESCRIPTION**

**ADD ZONE RATE**

In addition to Electrician Communication Tech rates add the applicable amounts per hour, calculated from the Washoe County Courthouse:

Zone 1-0-70 miles	\$0.00
Zone 2-71-90 miles	\$5.00
Zone 3 -91 miles and over	\$7.00

<b>ELECTRICIAN-LINEMAN/GROUNDMAN/HEAVY EQUIPMENT OPERATOR</b>			Union
Electrician-Groundman	42.28	36.17	
Electrician-Lineman	64.83	58.35	
Electrician-Foreman	65.35	58.81	
Electrician-General Foreman	69.99	62.99	
Electrician-Equipment Specialist	75.14	67.63	

**ELECTRICIAN LINEMAN JOB DESCRIPTION**

<b>ELECTRICIAN-NEON SIGN</b>			Union
Electrician-Neon Sign	50.75	45.68	

**ELECTRICIAN-NEON SIGN**, includes but is not limited to:

1. Installing, servicing and repairing plastic, neon and illuminated signs;
2. Ascending ladders or operating hydraulic or electric hoist to install, service, or examine sign to determine cause of malfunction;
3. Wiring, rewiring or removing defective parts and installing new parts using electrician's tools;
4. Removing sign or part of sign for repairs, such as structural fabrication, scroll repair, or transformer repair;

<b>ELECTRICIAN-WIREMAN</b>			Union
Wireman	57.88	52.09	
Cable Splicer	62.05	55.84	
Foreman	62.05	55.84	
General Foreman	66.22	59.60	

**ELECTRICIAN-WIREMAN JOB DESCRIPTION**

**ADD ZONE RATE**

In addition to Electrician rates add the applicable amounts per hour, calculated from the Washoe County Courthouse:



Zone 1-0-70 miles	\$0.00		
Zone 2-71-90 miles	\$8.00		
Zone 3 -91 miles and over	\$10.00		
<b>ELEVATOR CONSTRUCTOR</b>			Union
Elevator Constructor-Journeyman Mechanic	87.91	79.12	
Elevator Constructor-Mechanic in Charge	95.74	86.17	
<b>ELEVATOR CONSTRUCTOR</b> , includes but is not limited to: <ul style="list-style-type: none"> <li>1. Assembling, installing, repairing and maintaining electric and hydraulic freight and passenger elevators, escalators and dumbwaiters;</li> <li>2. Cutting pre-fabricated sections of framework, rails and other elevator components to specified dimensions, using acetylene torch, power saw, and disc grinder;</li> <li>3. Installing cables, counterweights, pumps, motor foundations, escalator drives, guide rails, elevator cars, and control panels, using hand tools;</li> </ul>			
<b>FENCE ERECTOR</b>			Non -Union
Fence Erector	21.65	19.49	
<b>FENCE ERECTOR</b> Includes but is not limited to: <ul style="list-style-type: none"> <li>1. Erecting or repairing chain link, wooden, tortoise, wire/wire mesh, or temporary fencing;</li> <li>2. Mixing and pouring concrete around bases of posts and tamping soil into post hole to embed post;</li> <li>3. Digging post holes with a spade, post hole digger or power driven auger;</li> <li>4. Aligning posts through the use of lines or by sighting;</li> <li>5. Verifying vertical alignment of posts with a plumb bob or spirit level;</li> </ul>			
<b>FLAGPERSON</b>			Union
Flagperson	35.21	31.69	
<b>FLAGPERSON</b> , includes but is not limited to: <ul style="list-style-type: none"> <li>1. Directing movement of vehicular traffic through construction projects;</li> <li>2. Distributing traffic control signs and markers along site in designated pattern;</li> <li>3. Informing drivers of detour routes through construction sites;</li> </ul>			
<b>ADD LABORER ZONE RATE</b> (Highway and Dam Construction only) In addition to LABORER rates add the applicable amounts per hour, calculated based on a road miles from either the Carson City Courthouse or the Washoe County Courthouse:			
Zone 1-0 to 75 miles	\$0.00		
Zone 2-75 to 150 miles	\$4.00		
Zone 3-150 to 300 miles	\$5.00		
Zone 4-300 miles and over	\$6.00		

<b>FLOOR COVERER</b>			Union
Floor Coverer-Journeyman	42.19	37.97	
Floor Coverer-Foreman	45.10	40.59	

**FLOOR COVERER JOB DESCRIPTION**

<b>GLAZIER</b>			Non -Union
Glazier	29.05	26.15	

**GLAZIER**  
Includes but is not limited to:

1. Installing, setting, cutting, preparing, or removal of glass, or materials used in lieu thereof, including, without limitation, in windows, doorways, showers, bathtubs, skylights and display cases;
2. Installing glass on surfaces, including, without limitation, fronts of buildings, interior walls and ceilings;
3. Installing pre-assembled framework for windows and doors designed to be fitted with glass panels, including stained glass windows by using hand tools;
4. Loading and arranging of glass on trucks at the site of the public work;

<b>HIGHWAY STRIPER</b>			Union
Highway Striper	40.83	36.75	

**HIGHWAY STRIPER JOB DESCRIPTION**

**ADD LABORER ZONE RATE**  
(Highway and Dam Construction only)  
In addition to LABORER rates add the applicable amounts per hour, calculated based on a road miles from either the Carson City Courthouse or the Washoe County Courthouse:

Zone 1-0 to 75 miles	\$0.00
Zone 2-75 to 150 miles	\$4.00
Zone 3-150 to 300 miles	\$5.00
Zone 4-300 miles and over	\$6.00

<b>HOD CARRIER-BRICK MASON TENDER</b>			Union
Brick Mason-Journeyman	36.67	33.00	
Brick Mason-Foreman	37.07	33.36	

**HOD CARRIER-BRICK MASON TENDER JOB DESCRIPTION**

**ADD ZONE RATE**  
In addition to Hod Carrier Brick Mason Tender rates add the applicable amounts per hour, calculated based on road miles from the Washoe County Courthouse:

Zone 1-35 to 75 miles	\$1.25
Zone 2-76 miles and over	\$7.50

<b>HOD CARRIER-PLASTERER TENDER</b>			Union
Plasterer Tender-Journeyman	39.67	35.70	
Plasterer-Gun Tender	40.67	36.60	
Plasterer Tender-Foreman	41.03	36.93	
<b><u>HOD CARRIER-PLASTERER JOB DESCRIPTION</u></b>			
ADD ZONE RATE In addition to Hod Carrier Plasterer rates add the applicable amounts per hour, calculated based on road miles from So. Virginia St., Reno, Nevada: Zone 1-70 miles           \$0.00 Zone 70 miles and over   \$8.00			
<b>IRON WORKER</b>			Union
Ironworker-Journeyman	69.05	62.15	
Ironworker-Foreman	72.85	65.57	
Ironworker-General Foreman			
<b><u>IRON WORKER JOB DESCRIPTION</u></b>			
<b>LABORER</b>			Union
<b><u>SEE GROUP CLASSIFICATIONS</u></b>			
Landscaper	32.92	29.63	
Furniture Mover	34.42	30.98	
Group 1	38.08	34.27	
Group 1A	35.21	31.69	
Group 2	38.18	34.36	
Group 3	38.33	34.50	
Group 4	38.58	34.72	
Group 4A	41.08	36.97	
Group 5	38.88	34.99	
Group 6			
Nozzlemen, Rodmen	37.88	34.09	
Gunmen, Materialmen	38.58	34.72	
Reboundmen	38.23	34.41	
Gunit Foremen	39.28	35.35	
<b><u>LABORER JOB DESCRIPTION</u></b>			
ADD ZONE RATE			

**LABORER (Highway and Dam Construction only)**

In addition to LABORER rates add the applicable amounts per hour, calculated based on a road miles from either the Carson City Courthouse or the Washoe County Courthouse:

Zone 1-0 to 75 miles	\$0.00
Zone 2-75 to 150 miles	\$4.00
Zone 3-150 to 300 miles	\$5.00
Zone 4-300 miles and over	\$6.00

**LABORER (Building Construction)**

In addition to LABORER rates add the applicable amounts per hour, calculated based on road miles from either the Carson City Courthouse or the Washoe County Courthouse:

Zone 1-0 to 75 miles	\$0.00
Zone 2-75 to 150 miles	\$4.00
Zone 3-150 to 300 miles	\$5.00
Zone 4-300 miles and over	\$6.00

<b>MECHANICAL INSULATOR</b>			Union
Mechanical Insulator-Journeyman	65.34	58.81	
Mechanical Insulator-Foreman	68.34	61.51	
Mechanical Insulator-General Foreman	70.34	63.31	

**MECHANICAL INSULATOR**, includes but is not limited to:

1. Covering and lining structures with cork, canvas, tar paper, magnesia and related materials;
2. Installing blown-on insulation on pipe and machinery;
3. Lining of mechanical room surfaces and air handling shafts;
4. Filling and damming of fire stops and penetrations including, but not limited to, electrical and mechanical systems;
5. Foam applications for the purpose of thermal, acoustical, or fire protective purposes, including RTV foams or equivalents, applied to mechanical or electrical systems;
6. Duct lining and duct wrapping, direct application and installation of fire protection of grease ducts, exhaust systems, or any other ductwork for acoustical or thermal purposes;
7. Insulation of field joints on pre-insulated underground piping and the pouring of Gilsilite or its equivalent;
8. The application of material, including metal and PVC jacketing, on piping, fittings, valves, flanges, boilers, ducts, plenums, flues, tanks, vats, equipment and any other hot or cold surface for the purpose of thermal control;

**ADD ZONE RATE**

In addition to MECHANICAL INSULATOR rates add the applicable amounts per hour, calculated based on a radius figured from Reno City Hall:

Zone 1-0-20 miles-	\$1.25
Zone 2-21-40 miles-	\$2.50
Over 40 miles-	\$10.63

<b>MILLWRIGHT</b>			Union
Millwright-Journeyman	61.91	55.72	
Millwright-Welder	62.91	56.62	

Millwright-Foreman	65.64	59.08	
Millwright-General Foreman	69.75	62.78	

**MILLWRIGHT JOB DESCRIPTION**

**ADD ZONE RATE**

In addition to MILLWRIGHT rates, add the applicable amounts per hour, calculated on road miles from either the Carson City Courthouse or the Washoe County Courthouse:

Zone 1-1 to 14 miles	\$0.00
Zone 2-15 to 35 miles	\$1.50
Zone 3-35 miles and over	\$3.25

<b>OPERATING ENGINEER</b>			Union
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**SEE GROUP CLASSIFICATIONS**

Group 1	53.09	47.78	
Group 1A	55.85	50.27	
Group 2	56.38	50.74	
Group 3	56.65	50.99	
Group 4	57.39	51.65	
Group 5	57.69	51.92	
Group 6	57.86	52.07	
Group 7	58.11	52.30	
Group 8	58.70	52.83	
Group 9	59.02	53.12	
Group 10	59.37	53.43	
Group 10A	59.56	53.60	
Group 11	59.80	53.82	
Group 11A	61.44	55.30	
Group 11B	62.25	56.03	
Foreman	61.44	55.30	
Add 7% to base rate for "Second" Shift			
Add 12.5% to base rate for "Special" shift			

**OPERATING ENGINEER**, includes but is not limited to:

Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement.

**ADD ZONE RATE**

In addition to: **OPERATING ENGINEER** rates add the applicable amounts per hour calculated based on a road miles from the Carson City Courthouse or Washoe County Courthouse

Zone 1-0 to 75 miles	\$0.00
Zone 2-75 to 150 miles	\$3.00
Zone 3-151 to 300 miles	\$4.00
Zone 4-301 miles and over	\$5.00

<b>OPERATING ENGINEER-STEEL FABRICATOR &amp; ERECTOR</b>			Union
<u>SEE GROUP CLASSIFICATIONS</u>			
Group 1	66.74	60.07	
Group 1 Truck Crane Oiler	68.39	61.55	
Group 1 Oiler	62.22	56.00	
Group 2	60.26	54.23	
Group 2 Truck Crane Oiler	66.88	60.19	
Group 2 Oiler	61.97	55.77	
Group 3	60.05	54.05	
Group 3 Truck Crane Oiler	65.64	59.08	
Group 3 Oiler	61.75	55.58	
Group 3 Hydraulic	59.83	53.85	
Group 4	61.42	55.28	
Group 5	62.38	56.14	
Add 7% to base rate for "Second" Shift			
Add 12.5% to base rate for "Special" Shift			

**OPERATING ENGINEER**, included but is not limited to:

Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement.

**ADD ZONE RATE**

In addition to: **STEEL FABRICATOR** and **ERECTOR** rates add the applicable amounts per hour calculated based on a r road miles from the Carson City Courthouse or Washoe County Courthouse

Zone 1-0 to 75 miles	\$0.00
Zone 2-75 to 150 miles	\$3.00
Zone 3-151 to 300 miles	\$4.00
Zone 4-301 miles and over	\$5.00

<b>OPERATING ENGINEER - PILEDRIVER</b>			Union
<u>SEE GROUP CLASSIFICATIONS</u>			
Group 1	67.86	61.07	
Group 1 Truck Crane Oiler	62.40	56.16	

Group 1 Oiler	60.48	54.43	
Group 2	66.32	59.69	
Group 2 Truck Crane Oiler	62.19	55.97	
Group 2 Oiler	60.28	54.25	
Group 3	64.87	58.38	
Group 3 Truck Crane Oiler	61.97	55.77	
Group 3 Oiler	60.05	54.05	
Group 4	63.36	57.02	
Group 5	62.25	56.03	
Group 6	61.14	55.03	
Group 7	60.18	54.16	
Group 8	59.22	53.30	
Add 7% to base for "Second" Shift			
Add 12.5% to base for "Special" Shift			

**OPERATING ENGINEER**, includes but is not limited to:

Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement.

**ADD ZONE RATE**

In addition to: **OPERATING ENGINEER PILEDRIVER** rates add the applicable amounts per hour calculated based on a road miles from the Carson City Courthouse or Washoe County Courthouse:

Zone 1-0 to 75 miles	\$0.00
Zone 2-75 to 150 miles	\$3.00
Zone 3-151 to 300 miles	\$4.00
Zone 4-301 miles and over	\$5.00

<b>PAINTER</b>			Union
Brush/Roller Painter	39.64	35.68	
Spray Painter/Paperhanger	40.98	36.88	
Sandblaster	41.03	36.93	
Structural Steel & Steeplejack	41.03	36.93	
Swing Stage	41.64	37.48	
Special Coating Application-Brush	41.69	37.52	
Special Coating Application-Spray	41.69	37.52	
Special Coating Application-Spray Steel	41.69	37.52	
Foreman	\$1.00 above highest Journeyman		

**PAINTER JOB DESCRIPTION**

<b>PILEDRIVER</b>			Union
Piledriver-Journeyman	55.46	49.91	
Piledriver-Foreman	59.19	53.27	
<b>PILEDRIVER</b> , includes but is not limited to: <ol style="list-style-type: none"> <li>1. Operating pile drivers mounted on skids, barge, crawler, treads or locomotive crane to drive piling as foundations for structures including, without limitation, buildings, bridges and piers;</li> <li>2. Barking, shoeing, splicing, form building, heading, centering, placing, driving, staying, framing, fastening, automatic pile threading, pulling and/or cutting off of piling;</li> <li>3. Fabricating, forming, handling and setting of all such pre-cast, pre-stressed and post-stressed shapes that are an integral part of docks, piers, wharves, bulkheads, jetties, and similar structures;</li> </ol>			
<b>PLASTERER</b>			Union
Plasterer	42.76	38.48	
<u><b>PLASTERER JOB DESCRIPTION</b></u>  <b>ADD ZONE RATES</b> In addition to PLASTERER rates add the applicable amounts per hour, calculated from the South Virginia and Mill Street, Reno, Nevada: Zone 1-0-70 miles           \$0.00 Zone 2-70 miles and over   \$8.00			
<b>PLUMBER/PIPEFITTER</b>			Union
Plumber/Pipefitter	56.45	50.81	
<u><b>PLUMBER/PIPEFITTER JOB DESCRIPTION</b></u>			
<b>REFRIGERATION</b>			Union
Refrigeration-Journeyman	51.19	46.07	
Refrigeration-Foreman	54.16	48.74	
Refrigeration-General Foreman	57.13	51.42	
<u><b>REFRIGERATION JOB DESCRIPTION</b></u>			
<b>ROOFER</b> (Does not include sheet metal roofs)			Non-Union
Roofer	25.48	22.93	
<b>ROOFER</b> Includes but is not limited to: <ol style="list-style-type: none"> <li>1. Installing and covering roofs and structures with slate, asphalt, wood and other related materials, other than sheet metal, by using brushes, knives, punches, hammers and other tools;</li> </ol>			



2. Spraying roofs, sidings and walls with material to bind, seal, insulate or soundproof sections of a structure;
3. Installation of all plastic, slate, slag, gravel, asphalt and composition roofing, and rock asphalt mastic when used for damp and waterproofing;
4. Installation of all damp resisting preparations when applied on roofs with mop, three-knot brush, roller, swab or spray system;
5. All types of preformed panels used in waterproofing;
6. Handling, hoisting and storing of all roofing, damp and waterproofing materials;
7. The tear-off and/or removal of roofing and roofing materials;

<b>SHEET METAL WORKER</b>			Union
Sheet Metal Worker	60.43	54.39	

**SHEET METAL WORKER JOB DESCRIPTION**

A separate free zone will be established **for employees permanently residing** and working within a seventy-five (75) mile radius of the Elko, Nevada Post Office.

Zone 1- 0 to 75 miles	\$0.00
Zone 2- 75 to 100	\$5.00
Zone 3- over 100	\$10.00

**ADD ZONE RATE**

In addition to SHEET METAL rates add the applicable amounts per hour, calculated based on a road from the courthouse in Elko County Courthouse, Nevada:

Zone 1- 0 to 75 miles	\$0.00 (including the City of Fallon and the Fallon Naval Air Base)
Zone 2- 75 to 100	\$5.00
Zone 3- over 100	\$10.00

<b>SPRINKLER FITTER</b>			Non-Union
Sprinkler Fitter-Journeyman	28.38	25.54	
Sprinkler Fitter-Foreman	28.38	25.54	
Sprinkler Fitter-General Foreman	28.38	25.54	

**SPRINKLER FITTER**

Includes but is not limited to:

Installing, dismantling, maintaining, repairing, adjusting and correcting all fire protection and fire control systems, including the installation of piping or tubing, appurtenances and equipment pertaining thereto, including both overhead and underground water mains, fire hydrants, and hydrant mains, standpipes and hose connection to sprinkler systems, sprinkler tank heaters, air lines and thermal systems used in connection with sprinkler and alarm systems.

<b>SURVEYOR</b>			Union
Surveyor	72.16	64.94	

**SURVEYOR**, includes but is not limited to:

1. Planning ground surveys designed to establish base lines, elevation and other geodetic measurements;
2. Compiling data relevant to the shape, contour, gravitation, location, elevation and dimension of land and land features on or near the surface of the Earth for engineering, map making, mining, land evaluation, construction and other purposes;
3. Surveying bodies of water to determine navigable channels and to secure data for construction of breakwaters, piers and other marine structures;
4. Computing data necessary for driving and connecting underground passages, underground storage and volume of underground deposits.

**ADD ZONE PAY**

In addition to: SURVEYOR rates add the applicable amounts per hour calculated from the City Hall of Las Vegas, Nevada:

Zone 1-0 to 20 miles	\$0.00
Zone 2-21 to 40 miles	\$2.00
Zone 3-41 to 60 miles	\$3.00
Zone 4-over 60 miles	\$3.50

<b>TAPER</b>			Union
Taper	44.81	40.33	

**TAPER JOB DESCRIPTION**

<b>TILE SETTER/TERRAZZO WORKER/MARBLE MASON-FINISHER</b>			
Tile, Terrazzo and Marble Finisher	29.32	26.39	

**TILE SETTER/TERRAZZO WORKER/MARBLE MASON-FINISHER JOB DESCRIPTION**

<b>TILE SETTER/TERRAZZO WORKER/MARBLE MASON</b>			Union
Tile Setter-Journeyman	39.12	35.21	
Tile Setter-Foreman	40.37	36.33	
Tile Setter-General Foreman	42.12	37.91	
Terrazzo/Marble Mason-Journeyman	40.62	36.56	
Terrazzo/Marble Mason-Foreman	41.87	37.68	
Terrazzo/Marble Mason-General Foreman	43.62	39.26	

**TILE SETTER/TERRAZZO WORKER/MARBLE MASON JOB DESCRIPTION**

**ADD ZONE RATE**

In addition to TILE SETTER/TERRAZZO WORKER/MARBLE MASON rates add the applicable amounts per hour, calculated based on a road miles of over fifty (50) miles from the Washoe County Courthouse in Reno, Nevada:

Zone 1-0-50 Miles	\$0.00		
Zone 2-50-75 Miles	\$3.75		
Zone 3-Over 75 Miles	\$8.13		
<b>TRAFFIC BARRIER ERECTOR</b>			Union
Traffic Barrier Erector	38.08	\$34.27	
<p><b>TRAFFIC BARRIER ERECTOR</b>, includes but is not limited to:  Erects or places instruments to provide directional assistance to traffic on or near the public works construction project.</p> <p><b>ADD LABORER ZONE RATE</b>  (Highway and Dam Construction only)  In addition to LABORER rates add the applicable amounts per hour, calculated based on a road miles from either the Carson City Courthouse or the Washoe County Courthouse:</p> <p>Zone 1-0 to 75 miles      \$0.00  Zone 2-75 to 150 miles    \$4.00  Zone 3-150 to 300 miles   \$5.00  Zone 4-300 miles and over \$6.00</p>			
<b>TRUCK DRIVER</b>			
<b><u>Dump Trucks (Single or Multiple Units Including Semi's &amp; Double Transfer Units), Dumpconetes and Bulk Cement Spreader)</u></b>			Non -Union
Under 4 yds. (water level)	35.82	32.24	
4 yds. & under 8 yds. (water level)	35.82	32.24	
8 yds. & under 18 yds. (water level)	35.82	32.24	
18 yds. & under 25 yds. ( water level)	35.82	32.24	
25 yds. & under 60 yds. (water level)	35.82	32.24	
60 yds. & under 75 yds. (water level)	35.82	32.24	
75 yds. & under 100 yds. (water level)	35.82	32.24	
100 yds. & under 150 yds.(water level)	35.82	32.24	
150 yds. & under 250 yds. ( water level)	35.82	32.24	
250 yds. & under 350 yds. (water level)	35.82	32.24	
350 yds. & over (water level)	35.82	32.24	
<b><u>Transit Mix</u></b>	35.82	32.24	
Under 8 yds.	35.82	32.24	
8 yds. & including 12 yds.	35.82	32.24	
Over 12 yds.	35.82	32.24	

<b><u>Transit Mix (Using Boom)</u></b>			
Transit mix with boom shall receive 16 cents per hour	35.82	32.24	
above the appropriate yardage classification rate of pay	35.82	32.24	
when such boom is used	35.82	32.24	
<b><u>Water &amp; Jetting Trucks</u></b>	35.82	32.24	
Up to 2,500 gallons	35.82	32.24	
2,500 gallons & over	35.82	32.24	
DW 20's & 21's & other similar Cat type, Terry Cobra LeTourneau pulls, Tournerocker, Euclid, & similar type equipment when pulling Aqua/Pak, Water Tank Trailers, & Fuel, and/or Grease Tank Trailer, or other miscellaneous Trailers, (except as defined under "Dump Trucks")	35.82	32.24	
Heavy Duty Transport (High Bed)	35.82	32.24	
Heavy Duty Transport(Gooseneck low bed)	35.82	32.24	
Tiltbed or Flatbed Pull Trailers	35.82	32.24	
Bootman, Comb. Bootman & Road Oiler	35.82	32.24	
Flat Rack (2 or 3 axle unit)	35.82	32.24	
<b><u>Bus &amp; Manhaul Drivers</u></b>	35.82	32.24	
Up to 18,000 lbs. (single unit)	35.82	32.24	
18,000 lbs. & over (single unit)	35.82	32.24	
Helicopter Pilot (transporting men/materials)	35.82	32.24	
Lift Jitneys	35.82	32.24	
<b><u>Winch Truck &amp; "A" Frame Drivers</u></b>			
Up to 18,000 lbs.	35.82	32.24	
18,000 lbs. and over	35.82	32.24	
Warehousemen Spotter	35.82	32.24	
Warehouse Clerk	35.82	32.24	
Tire Repairmen	35.82	32.24	
Truck Repairmen	35.82	32.24	
Pick Up Truck & Pilot Cars (Jobsite)	35.82	32.24	
Pick Up Truck & Pilot Cars (Over the road)	35.82	32.24	
Truck Oil Greaser	35.82	32.24	

Fuel Truck Driver	35.82	32.24	
Fuel Man & Fuel Island Man	35.82	32.24	
Oil Tanker	35.82	32.24	
Oil Tanker with Pup	35.82	32.24	
Foreman:	35.82	32.24	
<b>TRUCK DRIVER</b>			
Includes but is not limited to: Driving a tractor trailer combination or a truck to transport goods or materials at the site of a public work or between sites of a public work. (Also, see descriptions listed with Truck Driver rates, if any.)			
<b>WELL DRILLER</b>			Non Union
Well Driller	71.19	64.07	
<b>WELL DRILLER</b> , includes but is not limited to: 1. Setting, operating or tending to portable drilling rig machinery and related equipment to drill wells; 2. Extending stabilizing jackscrews to support and level a drilling rig; 3. Installing water well pumps; 4. Drillings wells for industrial water supplies, irrigation water supplies or water supplies for any other purpose; dewatering or other similar purposes; exploration; hole drilling for geologic and hydrologic information; and core drilling for geologic information.			
<b>LUBRICATION AND SERVICE ENGINEER (MOBILE AND GREASE RACK)</b>			Union
Lubrication and Service Engineer (mobile and grease rack)	58.11	52.30	
<b>ADD ZONE PAY</b> In addition to: LUBRICATION AND SERVICE ENGINEER rates add the applicable amounts per hour calculated based on road miles from the Carson City Courthouse or Washoe County Courthouse: Zone 1-0 to 75 miles      \$0.00 Zone 2-75 to 150 miles      \$3.00 Zone 3-150 to 300 miles      \$4.00 Zone 4-301 miles and over      \$5.00			
<b>SOIL TESTER (CERTIFIED)</b>			Union
Soil Tester (Certified)	71.19	64.07	
<b>ADD ZONE PAY</b> In addition to: FIELD SOILS AND MATERIAL TESTER and FIELD ASPHALTIC CONCRETE (SOILS AND MATERIALS TESTER) rates add the applicable amounts per hour calculated from the City Hall of Las Vegas, Nevada: Zone 1-0 to 20 miles      \$0.00 Zone 2-21 to 40 miles      \$2.00			

Zone 3-41 to 60 miles	\$3.00		
Zone 4-over 60 miles	\$3.50		
<b>SOILS AND MATERIALS TESTER</b>			Union
Soils and Materials Tester		71.19	64.07
<b>ADD ZONE PAY</b>			
In addition to: FIELD SOILS AND MATERIAL TESTER and FIELD ASPHALTIC CONCRETE (SOILS AND MATERIALS TESTER) rates add the applicable amounts per hour calculated from the City Hall of Las Vegas, Nevada:			
Zone 1-0 to 20 miles	\$0.00		
Zone 2-21 to 40 miles	\$2.00		
Zone 3-41 to 60 miles	\$3.00		
Zone 4-over 60 miles	\$3.50		

## GROUP CLASSIFICATIONS

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LABORER, includes but is not limited to:

**Group 1**

All cleanup work of debris, grounds, and building including windows and tile

- Dumpmen or Spotter (other than asphalt)
- Handling and Servicing of Flares, Watchmen
- General Laborer
- Guide Posts and Highway Signs
- Guardrail Erection and Dismantling
- Limber, Brushloader and Piler
- Pavement Marking and Highway Striping
- Traffic Control Supervisor

**Group 2**

- Choker setter or Rigger (clearing work only) Pittsburgh
- Chipper and similar type brush shredders
- Concrete worker (wet or dry) all concrete work not listed in Group 3
- Crusher or Grizzly Tender
- Greasing Dowels
- Guinea Chaser (Stakemen)
- Panel Forms (wood or metal) handling, cleaning and stripping of Loading and unloading, (Carrying and handling of all rods and material for use in reinforcing concrete
- Railroad Trackmen (maintenance, repair or builders)
- Sloper
- Semi-Skilled Wrecker (salvaging of building materials other than those listed in Group 3)

**Group 3**

- Asphalt Workers (Ironers, Shovelers, Cutting Machine)

Buggymobile  
Chainsaw, Faller, Logloader and Bucker  
Compactor (all types)  
Concrete Mixer under 1/2 yard  
Concrete Pan Work (Breadpan type), handling, cleaning\stripping  
Concrete Saw, Chipping, Grinding, Sanding, Vibrator  
Cribbing, Shoring, Lagging, Trench Jacking, Hand-Guided Lagging Hammer  
Curbing or Divider machine  
Curb Setter (precast or cut)  
Ditching Machine (hand-guided)  
Drillers Helper, Chuck Tender  
Form Raiser, Slip Forms  
Grouting of Concrete Walls, Windows and Door Jams  
Headerboardmen  
Jackhammer, Pavement Breaker, Air Spade  
Mastic Worker (wet or dry)  
Pipewrapper, Kettlemen, Potmen, and men applying asphalt, creosote and similar type materials  
All Power Tools (air, gas, or electric), Post Driver  
Riprap-Stonepaver and RockSlinger, including placing of sack concrete wet or dry  
Rototiller  
Rigging and Signaling in connection with Laborers' work  
Sandblaster, Potmen, Gunmen or Nozzlemen  
Vibra-screed  
Skilled Wrecker (removing and salvaging of sash, windows, doors, plumbing and electrical fixtures)

#### **Group 4**

Burning and Welding in connection with Laborers' work  
Joy Drill Model TWM-2A, Gardner Denver Model DN143 and similar type drills (in accordance with Memorandum of Understanding between Laborers and Operating Engineers dated at Miami, Florida, Feb. 3, 1954) and Track Drillers, Diamond Core Drillers, Wagon Drillers, Mechanical Drillers on Multiple Units  
High scalers  
Concrete pump operator  
Heavy Duty Vibrator with Stinger 5" diameter or over  
Pipelayer, Caulker and Bander  
Pipelayer-waterline, Sewerline, Gasoline, Conduit  
Cleaning of Utility Lines  
Slip Lining of Utility Lines (including operation of Equipment)  
TV Monitoring and Grouting of Utility Lines  
Asphalt Rakers

#### **Group 4A**

Foreman

#### **Group 5**

Construction Specialists  
Blasters and Powdermen, all work of loading, placing, and blasting of all powder and explosives of any type, regardless of method used for such loading and placing  
Asbestos removal  
Lead abatement  
Hazardous waste  
Material removal

**Group 6**

Gunite Foremen, Nozzlemen, Rodmen, Gunmen, Materialmen, Reboundmen

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**OPERATING ENGINEER, includes but is not limited to:**

**Group 1**

Engineer Assistant

**Group 1A**

Heavy Duty Repairman Helper

Oiler

Parts man

**Group 2**

Compressor Operator

Material Loader and/or Conveyor Operator (handling building materials)

Pump Operator

**Group 3**

Bobcat or similar loader, 1/4 cu. yd. or less

Concrete Curing Machines (streets, highways, airports, canals)

Conveyor Belt Operator (tunnel)

Forklift (under 20 )

Engineer Generating Plant (500 K.W.)

Mixer Box Operator (concrete plant)

Motorman

Rotomist Operator

Oiler (truck crane)

**Group 4**

Concrete Mixer Operator, Skip type

Dinky Operator

Forklift (20' or over) or Lumber Stacker

Ross Carrier

Skip Loader Operator (under one (1) cu. yd.)

Tie Spacer

**Group 5**

Concrete Mixers (over one (1) cu. yd.)

Concrete Pumps or Pumpcrete Guns

Elevator and Material Hoist ( one (1) drum)

Groundman for Asphalt Milling and similar

**Group 6**

Auger type drilling equipment up to and including 30 ft. depth digging capacity m.r.c.

Boom Truck or Dual Purpose a-Frame Truck

B.L.H. Lima Road Factor or similar

Chip Box Spreader (Flaherty type or similar)

Concrete Batch Plant (wet or dry)

Concrete Saws (highways, streets, airports, canals)

Locomotives (over thirty (30) tons)



Maginnis International Full Slab Vibrator (airports, highways, canals and warehouses)  
Mechanical Finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types)  
Mechanical Burn, Curb and/or Curb and Gutter Machine (concrete or asphalt)  
Pavement Breaker, Truck Mounted, with compressor combination  
Pavement Breaker or Tamper (with or without compressor combination)  
Power Jumbo Operator (setting slip-forms, etc., in tunnels)  
Roller Operator (except asphalt)  
Self-Propelled Tape Machine  
Self-Propelled Compactor (single engine)  
Self-Propelled Power Sweeper Operator  
Slip-Form Pump (power-driven by hydraulic, electric, air, gas, etc. lifting device for concrete forms)  
Small Rubber-Tired Tractors  
Snooper Crane, Paxton-Mitchell or similar  
Stationary Pipe Wrapping, Cleaning and Bending Machine Operator

### **Group 7**

Auger type drilling equipment over 30 ft. depth digging capacity m.r.c.  
Compressor (over 2)  
Concrete Conveyor or Concrete Pump, truck or equipment mounted (any assistance required shall be performed by an Assistant to Engineer) Boom length to apply  
Concrete Conveyor, Building Site  
Drilling and Boring Machine, vertical and horizontal (not to apply to waterliners, wagon drills or jack hammers)  
Crusher Plant Engineer  
Generators  
Kolman Loader  
Material Hoist (two (2) or more drums)  
Mechanical Finishers or Spreader Machine (asphalt, Barber-Greene or similar)  
Mine or Shaft Hoist  
Pipe Bending Machines (pipeline only)  
Pipe Cleaning Machines (tractor-propelled and supported)  
Pipe Wrapping Machines (tractor-propelled and supported)  
Portable Crushing and Screening Plants  
Post Driller And/Or Driver  
Pumps ( over 2)  
Roller Operator (asphalt)  
Screedman (except asphaltic or concrete paving)  
Screedman (Barber-Greene and similar) (asphaltic or concrete paving)  
Self-Propelled Boom-Type Lifting Device (center mount) (on ten (10) ton capacity or less)  
Slusher Operator  
Surface Heater and Planer Operator  
Trenching Machine (maximum digging capacity three (3) ft. depth) (Any assistance in the operation, if needed, shall be performed by an Assistant to Engineer)  
Truck-Type Loader  
Welding Machines (gasoline or diesel)

### **Group 8**

Asphalt Plant Engineer  
Asphalt Milling Machine  
Cast-In-Place Pipe-Laying Machine  
Combination Slusher and Motor Operator

Concrete Batch Plant (multiple units)  
 Dozer Operator  
 Drill Doctor  
 Elevating Grader Operator  
 Grooving and Grinding Machine (highways)  
 Ken Seal Operator  
 Loader (up to and including two and one-half (2 1/2) cu. yds)  
 Mechanical Trench Shield  
 Mixermobile  
 Push Cats  
 Road Oil Mixing Machine Operator Wood-Mixer (and other similar Pugmill equipment)  
 Rubber-Tired Earthmoving Equipment (up to and including thirty-five (35) cu. yds. "struck " m.r.c.,  
 Euclids, T-Pulls, DW10, 20, 21 and similar)  
 Self-Propelled Compactors with Dozer; Hyster 450, Cat 825 or similar  
 Sheepfoot  
 Small Tractor (with boom)  
 Soil Stabilizer (P & H or equal)  
 Timber Skidder (rubber-tired) or similar equipment  
 Tractor-Drawn Scraper  
 Tractor Operator  
 Tractor-Mounted Compressor Drill Combination  
 Trenching Machine Operator (over three (3) feet depth)  
 Tri-Batch Paver  
 Tunnel Badger or Tunnel Boring Machine Operator  
 Tunnel Mole Boring Machine  
 Vermeer T-600b Rock Cutter

**Group 9**

Chicago Boom  
 Combination Backhoe and Loader (up to and including 3/8 cu. yd.)  
 Combination Mixer and Compressor (gunite)  
 Heavy Duty Repairman and/or Welder  
 Lull Hi-Lift (twenty (20) feet or over)  
 Mucking Machine  
 Sub-Grader (Gurries or other types)  
 Tractor (with Boom) (D6 or larger)  
 Track-Laying-Type Earthmoving Machine (single engine with tandem scrapers )

**Group 10**

Boom-Type Backfilling Machine  
 Bridge Crane  
 Cary-Lift or similar  
 Chemical Grouting Machine  
 Derricks (two (2) Group 10 Operators required when swing engine remote from hoist)  
 Derrick Barges (except excavation work)  
 Euclid Loader and similar types  
 Gradesetter, Grade Checker  
 Heavy Duty Rotary Drill Rigs  
 Lift-Slab (Vagtborg and similar types)  
 Loader (over two and one-half (2 1/2 cu. yds. up to and including four (4) cu. yds.)  
 Locomotive (over one hundred (100) tons, single or multiple units)

Multiple-Engine Earthmoving Machines (Euclid Dozers, etc.)  
Pre-Stress Wire Wrapping Machine  
Rubber-Tired Scraper, Self-Loading  
Single-Engine Scraper (over thirty-five (35) cu. yds.)  
Shuttle Car (Reclaim Station)  
Train Loading Station  
Trenching Machine multi-engine with sloping attachments (Jefco or similar)  
Vacuum Cooling Plant  
Whirley Crane (up to and including twenty-five (25) tons)

**Group 10A**

Backhoe-Hydraulic (up to and including one (1) cu. yd.)  
Backhoe (up to and including one (1) cu. yd.) (Cable)  
CMI Dual Lane Auto-Grader SP30 or similar type  
Cranes (not over twenty-five (25) tons) (hammerhead and gantry)  
Finish Blade  
Gradalls (up to and including one (1) cu. yd.)  
Motor Patrol Operator  
Power Shovels, Clamshells, Draglines, Cranes (up to and including one (1) cu. yd.)  
Rubber-Tired Scraper, Self-Loading (twin engine)  
Self-Propelled Boom-Type Lifting Device, center mount (over 10 tons up to and including 25 tons)

**Group 11**

Automatic Asphalt or Concrete Slip-Form Paver  
Automatic Railroad Car Dumper  
Canal Trimmer  
Cary Lift, Campbell or similar type  
Cranes (over twenty-five (25) tons)  
Euclid Loader when controlled from the Pullcat  
Highline Cableway Operator  
Loader (over four (4) cu. yds. up to and including twelve (12) cu. yds.)  
Multi-Engine Earthmoving Equipment (up to and including seventy-five (75) cu. yds. struck m.r.c.)  
Multi-Engine Scrapers (when used to Push Pull)  
Power Shovels, Clamshells, Draglines, Backhoes Gradalls (over one (1) cu. yd. and up to and including seven (7) cu. yds. m.r.c.)  
Self-Propelled Boom-Type Lifting Device (center mount) (over 25 tons m.r.c.)  
Self-Propelled Compactor (with multiple-propulsion power units)  
Single-Engine Rubber-Tired Earthmoving Machine, with Tandem Scraper  
Slip-Form Paver (concrete or asphalt)  
Tandem Cats and Scraper  
Tower Crane Mobile (including Rail Mount)  
Truck Mounted Hydraulic Crane when remote control equipped (over 10 tons up to and including 25 tons)  
Universal Liebherr and Tower Cranes (and similar types)  
Wheel Excavator (up to and including seven hundred fifty (750) cu. yds. per hour)  
Whirley Cranes (over twenty-five (25) tons)

**Group 11A**

Band Wagons (in conjunction with Wheel Excavators)  
Operator of Helicopter (when used in construction work)  
Loader (over twelve (12) cu. yds.)  
Multi-Engine Earthmoving Equipment (over seventy-five (75) cu. yds. "struck" m.r.c.)

Power Shovels, Clamshells, Draglines, Backhoes, and Gradalls (over seven 7 cu. yds. m.r.c.)  
Remote-Controlled Earth Moving Equipment  
Wheel Excavator (over seven hundred fifty (750) cu. yds. per hour)

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**Group 11B**

Holland Loader or similar or Loader (over 18 cu. yds.)

**OPERATING ENGINEERS - Steel Fabricator & Erector**

**Group 1**

Cranes over 100 tons  
Derrick over 100 tons  
Self-Propelled Boom Type Lifting Devices over 100 tons

**Group 2**

Cranes over 45 tons up to and including 100 tons  
Derrick, 100 tons and under  
Self Propelled Boom Type Lifting Device, over 45 tons  
Tower Crane

**Group 3**

Cranes, 45 tons and under  
Self Propelled Boom Type Lifting Device, 45 tons and under

**Group 4**

Chicago Boom  
Forklift, 10 tons and over  
Heavy Duty Repairman/Welder

**Group 5**

Boom Cat

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**OPERATING ENGINEER -Piledriver**

**Group 1**

Derrick Barge Pedestal mounted over 100 tons  
Clamshells over 7 cu. yds.  
Self Propelled Boom Type Lifting Device, over 100 tons  
Truck Crane or Crawler, land or barge mounted over 100 tons

**Group 2**

Derrick Barge Pedestal mounted 45 tons up to and including 100 tons  
Clamshells up to and including 7 cu. yds.  
Self Propelled Boom Type Lifting Device over 45 tons  
Truck Crane or Crawler, land or barge mounted, over 45 tons up to and including 100 tons

**Group 3**

Derrick Barge Pedestal mounted under 45 tons  
Self Propelled Boom Type Lifting Device 45 tons and under

Skid/Scow Piledriver, any tonnage  
Truck Crane or Crawler, land or barge mounted 45 tons and under

**Group 4**

Assistant Operator in lieu of Assistant to Engineer  
Forklift, 10 tons and over  
Heavy Duty Repairman/Welder

**Group 5**

No current classification

**Group 6**

Deck Engineer

**Group 7**

No current classification

**Group 8**

Deckhand  
Fireman

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