

SECTION 10 - SUPPLEMENTARY CONDITIONS

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These Supplementary Conditions amend or supplement EJCDC® C-700, Standard General Conditions of the Construction Contract (2018). The General Conditions remain in full force and effect except as amended.

The terms used in these Supplementary Conditions have the meanings stated in the General Conditions. Additional terms used in these Supplementary Conditions have the meanings stated below, which are applicable to both the singular and plural thereof.

The address system used in these Supplementary Conditions is the same as the address system used in the General Conditions, with the prefix "SC" added—for example, "Paragraph SC-4.05."

Article 1—**DEFINITIONS AND TERMINOLOGY**

SC-1.01. Renumber Paragraph 1.01.A.38 to 1.01.A.38.a, and add the following new paragraph:

- A. 1.01.A.38.b. Specialist—The term Specialist refers to a person, partnership, firm, or corporation of established reputation (or if newly organized, whose personnel have previously established a reputation in the same field), which is regularly engaged in, and which maintains a regular force of workers skilled in either (as applicable) manufacturing or fabricating items required by the Contract Documents, or otherwise performing Work required by the Contract Documents. Where the Specifications require the installation by a Specialist, that term shall also be deemed to mean either the manufacturer of the item, a person, partnership, firm, or corporation licensed by the manufacturer, or a person, partnership, firm, or corporation who will perform the Work under the manufacturer's direct supervision.

Article 2—**PRELIMINARY MATTERS**

2.01 *Delivery of Bonds and Evidence of Insurance*

SC-2.01 Delete Paragraphs 2.01.B. and C. in their entirety and insert the following in their place:

- B. *Evidence of Contractor's Insurance:* When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner copies of the policies (including all endorsements, and identification of applicable self-insured retentions and deductibles) of insurance required to be provided by Contractor in this Contract. Contractor may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.

2.02 *Copies of Documents*

SC-2.02 Amend Paragraph 2.02.A. to read as follows:

Owner shall furnish to Contractor hard copies of the Contract Documents as are reasonably necessary, with a maximum of five (5) sets, for execution of the work. Additional copies will be furnished, upon request, at the cost of production.

Article 3—**CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE**

3.01 *Intent*

SC-3.01 Delete Paragraph 3.01.C in its entirety.

Article 4—COMMENCEMENT AND PROGRESS OF THE WORK

4.01 *Commencement of Contract Times; Notice to Proceed*

SC-4.01. Delete the third sentence of Paragraph 4.01.A in its entirety.

4.03 *Reference Points*

SC-4.03. Delete the first sentence of Paragraph 4.03.A in its entirety.

4.04 *Progress Schedule*

SC-4.04. Add the following new paragraphs to the end of Paragraph 4.04.B:

4.04.C. The Contractor shall submit a construction schedule within ten (10) days of Notice of Award. Thereafter, the Contractor shall submit an updated construction schedule every month.

4.04.D. Contractor shall comply with the requirements of Washoe County Development Code Division 4, Article 414, "Noise and Lighting Standards" in the performance of the Work. However, NO equipment operation, including "warm up," shall occur prior to 8:00 a.m. nor after 7:00 p.m. No work allowed on Saturdays, Sundays, and holidays recognized by Owner. The Engineer shall have final say as to the adequacy of the equipment for other than day use, and no additional payment shall be made to Contractor for the rental of equipment to meet these limitations.

Article 5—SITE, SUBSURFACE AND PHYSICAL CONDITIONS, HAZARDOUS ENVIRONMENTAL CONDITIONS

5.02 *Use of Site and Other Areas*

SC-5.02. Add the following language to the end of Paragraph 5.02.A.1:

Contractor shall not enter upon nor use property not under Owner control until appropriate easements have been executed and a copy is on file at the Site.

5.03 *Subsurface and Physical Conditions*

SC-5.03. Delete Paragraph 5.03.C in its entirety and insert the following in its place:

5.03.C Those reports known to Owner of explorations and tests of subsurface conditions at or adjacent to the Site is as follows:

5.03.C.1. No subsurface explorations and/or tests have been performed. The Contractor shall have full responsibility with respect to subsurface conditions at the sites.

SC-5.03 Add the following new paragraphs immediately after Paragraph 5.03.D:

5.03.E. Contractor may examine copies of reports and drawings identified immediately above that were not included with the Bidding Documents at 1220 Sweetwater Road, Incline Village, NV during regular business hours, or may request copies from Engineer at the cost of reproduction.

5.03.F. The Contractor shall verify the locations and dimensions of all existing equipment and structures, whether shown on the plans or not, and shall have full responsibility with respect to physical conditions in or relating to such structures and equipment.

5.03.G. Contractor is advised that the Lake Tahoe basin is known for large rocks and boulders buried under the surface, and it is common to find boulders within the work area.

5.04 *Differing Subsurface or Physical Conditions*

SC-5.04 Delete Paragraph 5.04.A in its entirety and insert the following in its place:

5.04.A. Notice by Contractor: If Contractor believes that any subsurface condition that is uncovered or revealed at the Site differs materially from conditions ordinarily encountered in the Tahoe Basin and generally recognized as inherent in work of the character provided for in the Contract Documents; then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so. Owner shall issue a written statement to Contractor regarding the subsurface or physical condition in question, addressing the resumption or continuation of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times with respect to a subsurface or physical condition if:

5.04.A.2.a. Contractor knew of the existence of such condition at the time Contractor made a commitment to Owner with respect to Contract Price and Contract Times by becoming bound under a negotiated contract, or otherwise; or

5.04.A.2.b. The existence of such condition reasonably could have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas expressly required by the Contract Documents to be conducted by or for Contractor prior to Contractor's making such commitment; or

5.04.A.2.c. Contractor failed to give the written notice as required by SC-5.04.A.

5.06 *Hazardous Environmental Conditions*

SC-5.06. Delete Paragraphs 5.06.A and Paragraph 5.06.B in their entirety and insert the following in their place:

5.06.A. No reports or drawings related to Hazardous Environmental Conditions are known to Owner.

5.06.B. Not used.

Article 6—**BONDS AND INSURANCE**

6.02 *Insurance—General Provisions*

SC-6.02. Add the following new paragraph immediately after Paragraph 6.02.A:

6.02.A.1. Surety and insurance companies from which the bonds and insurance for this Project are purchased shall have an A.M. Best's rating of no less "A (FSC-VII)."

SC-6.02. Add the following new paragraph immediately after Paragraph 6.02.J:

6.02.K. Contractor shall furnish properly executed certificates of insurance to Owner prior to commencement of Work under this agreement. Such certificates shall: clearly evidence all coverage required herein, including specific evidence of an endorsement naming Owner and Engineer as an additional insured, as well as all exclusions to the policies; indicate whether coverage provided is on a claims-made or occurrence basis; provide that such insurance shall not be materially changed, terminated or allowed to expire except on 30 days prior written notice to Owner; and be forwarded to: IVGID Engineering Division, 1220 Sweetwater Road, Incline Village, NV 89451. Any failure

to comply with reporting provisions of the policies shall not affect coverage provided to the District, its officers, employees or volunteers.

6.03 *Contractor's Insurance*

SC-6.03. Add the following new paragraphs immediately following Paragraph 6.03.A:

6.03.A.1. **Workman's Compensation:** It is understood and agreed that there shall be no Industrial Insurance coverage provided for the Contractor or any Subcontractor by the District; and in view of NRS 616.280 and 617.210 requiring that Contractor comply with the provisions of Chapters 616 and 617 of NRS, Contractor shall, before commencing work under the provisions of this Agreement, furnish to the District a Certificate of Insurance from an admitted insurance company in the State of Nevada.

6.03.A.2. **General Liability:** Contractor shall purchase General Liability including appropriate Auto Liability with a \$2,000,000 combined single limit per occurrence, for bodily injury, personal injury and property damage.

6.03.A.3. **Commercial Insurance:** Contractor shall procure and maintain for the duration of the Contract, insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the Contractor, his/her agents, representatives, employees, or subcontractors. Contractor shall purchase General Liability, Auto Liability, Workers' Compensation, and Professional Liability Insurance (if applicable) coverage as required. Contractor shall have a Certificate of Insurance issued to the Incline Village General Improvement District naming it as additional insured, indicating coverage types amounts and duration of the policy. All certificates shall provide for a minimum written notice of thirty (30) days to be provided to District in the event of material change, termination or non-renewal by either Contractor or carrier.

SC-6.03. Add the following new paragraph immediately following Paragraph 6.03.C:

6.03.D. **Deductible and/or Self-Insured Retention (SIR)**

1. Any deductible and/or SIR must be declared to and approved by the Owner. The District reserves the right to request additional documentation (financial or otherwise) prior to giving its approval of the deductible and/or SIR and prior to executing the underlying Agreement. Any changes to the deductible and/or SIR made during the term of this Agreement or during the term of any policy, just be approved by the Owner prior to the change taking effective.

6.04 *Builder's Risk and Other Property Insurance*

SC-6.04 Delete Paragraph 6.04.A and insert the following in its place:

- A. Contractor shall purchase and maintain builder's risk insurance upon the Work on a completed value basis, in the amount of the Work's full insurable replacement cost (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations).

Article 7—CONTRACTOR'S RESPONSIBILITIES

7.03 Add the following after paragraph 7.03.C:

7.03.D **Working Hours.** Working hours shall be limited to 8:00 a.m. to 5:30 p.m. Monday through Friday unless otherwise directed by Owner. No equipment operation, including "warm up", refueling or maintenance, shall occur outside these hours. Contractor shall not permit

the performance of work outside these hours without Owner's written consent given after prior written notice to Engineer.

CONTRACTOR shall comply with all local and regional Noise Ordinances in the performance of the work. The ENGINEER shall have final say as to the adequacy of the equipment for other than day use and no additional payment shall be made to CONTRACTOR for the rental of equipment to meet these limitations.

Documented instances of noise producing activities by the CONTRACTOR outside of the permitted working hours shall result in a written warning for the first offense and a \$500 penalty for each subsequent offense.

7.04 *Services, Materials, and Equipment*

SC-7.04. Add the following new paragraph to the end of Paragraph 7.04.C:

7.03.D. Any materials or work not meeting Contract requirements shall be resubmitted to the Engineer or reconstructed at the Contractor's expense. Contractor is to be aware of District's Ordinance 1, the Solid Waste Ordinance, and pay specific attention to Section 4.5, Dumpster Use, Location and Enclosure. Any construction dumpster on the job site that is not properly enclosed shall be a fully locking roll-top, and is to remain locked and secured at all times.

7.07 *Services, Materials, and Equipment*

SC-7.07. Add the following language at the end of Paragraph 7.07.A:

Contractor shall perform a minimum of 50 percent of the onsite labor with its own employees.

7.09 *Permits*

SC-7.09. Add the following new paragraph to the end of Paragraph 7.09.A:

7.09.B. All permits, licenses, and inspection fees necessary for prosecution and completion of the work shall be secured and paid for by the Contractor, unless otherwise specified:

1. The CONTRACTOR shall conduct all Work in accordance with the Tahoe Regional Planning Agency (TRPA) Code of Ordinances, whether shown on the plans or not. If the CONTRACTOR fails to follow any requirements which result in a penalty by TRPA to the OWNER, the CONTRACTOR shall be responsible for any costs associated with the penalty.
2. Contractor shall be responsible for dust control throughout all phases of construction. All local ordinances regarding dust control shall be complied with, including the Washoe County Health Department requirements. The responsibility of obtaining the regulations and requirements, including obtaining a Dust Control Permit, if required, and full compliance with such ordinances is solely that of the Contractor.

7.11 *Laws and Regulations*

SC-7.11. Add the following new paragraph(s) immediately after Paragraph 7.11.C:

7.11.D. While not intended to be inclusive of all Laws or Regulations for which Contractor may be responsible under Paragraph 7.11, the following Laws or Regulations are included as mandated by statute or for the convenience of Contractor:

7.11.D.1. Prevailing Wage Rates:

7.11.D.1.a. Pursuant to NRS 338.020, hourly and daily rate of wages must not be less than prevailing wage in Washoe County. The most current schedule of prevailing wage rates as

of contract award date, as determined by the Labor Commission of the State of Nevada, is included herein and shall be posted onsite.

7.11.D.2. Fair Employment Practices:

7.11.D.2.a. Pursuant to NRS 338.125, in connection with performance of Work under these Contract Documents, Contractor agrees not to discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, sexual orientation, or age. Such agreement shall include, but not be limited to, the following: Employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.

7.11.D.2.b. Contractor further agrees to insert this provision in all subcontracts thereunder except subcontracts for standard commercial supplies or raw materials.

7.11.D.2.c. Any violation of such provision by a Contractor shall constitute a material breach of Contract.

7.11.D.3. Preferential Employment:

7.11.D.3.a. Pursuant to NRS 338.130, Contractor shall give preference in hiring, the qualifications of the applicants being equal: (a) First: To honorably discharged soldiers, sailors, and marines of the United States who are citizens of the State of Nevada; and (b) Second: To other citizens of the State of Nevada.

7.11.D.3.b. If the provisions of NRS 338.130 are not complied with by Contractor, Contract shall be void, and any failure or refusal to comply with any of the provisions of this section shall render any such Contract void.

7.11.D.4, SB 207, Apprenticeship Utilization Act

Contractor shall comply with Chapter 527, Statutes of Nevada 2019, enacted by the Nevada Legislature by passage of Senate Bill 207, which requires contractor and subcontractors to comply with certain requirements relating to the use of apprentices on public works projects. The Prime Contractor will be liable for any subcontractor non-compliance.

7.11.E. The Contractor shall submit all certified payroll payrolls electronically via the internet into the Owner's contracted tracking system LCPtracker. This requirement will apply to every lower-tier subcontractor and vendor required to provide certified payroll reports by NRS 338.010 to 338.090 inclusive. Upon issuance of the Notice to Proceed, the Owner will provide the Contractor with the website addresses and a Login Identification with a password to access the payroll system. The Contractor is responsible for the set-up of access to the payroll system to their subcontractors. Training to utilize the system is available on the LCPtracker website.

7.13 *Safety and Protection*

SC-7.13. Add the following new paragraph immediately after 7.13.G:

7.13.G.1. The following Owner safety program(s) are applicable to the Work:

1. The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work to be performed under this Agreement. The Contractor shall take all necessary precautions for the safety of, and shall provide all necessary protection to prevent damage, injury, or loss to:

- a. All employees and all other persons who may be affected by the operations of this Agreement.

- b. All materials and equipment whether in storage on or off the construction site.
 - c. Other property at the construction site or adjacent to the construction site, including but not limited to trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.
2. The Contractor shall comply with all applicable laws, ordinances, rules, regulations, and others of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss. The Contractor shall erect and maintain, as required by existing conditions and progress on the project, all necessary safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent utilities. Contractor shall comply with OSHA's Hazard Communication Standards.
3. The Contractor shall designate a responsible member of his/her organization at the construction site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated in writing by the Contractor to the Owner.
4. The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with any confined space entries to be performed during completion of work under this Agreement. Contractor responsibilities include but are not limited to:
 - a. Review and be familiar with the Owner's online written Confined Space program.
 - b. Review documented information about Owner's confined spaces in which entry is intended. This information includes identified hazards for each permit-required confined space. The Contractor shall be responsible for performing their own hazard assessment prior to any confined space entry.
 - c. Contractor shall have their own confined space entry program. Upon request of the Owner, Contractor will provide a statement confirming they are in compliance with their confined space entry program including requirements for confined space training for employees associated with the Work.
 - d. Be responsible for following all confined space requirements established by the provisions in CFR 1910.146 and its chapters.
 - e. Coordinate entry operations with the Owner when employees from the Contractor will be working in or near confined spaces.
 - f. Debrief the Owner on any hazards confronted or created at the completion of entry operations.
 - g. Place signs stating, "Danger, Follow Confined Space Entry Procedures Before Entering" at each confined space to be entered. The Contractor shall never leave a confined space open or unattended.

7.18 *Indemnification*

SC-7.18. Add the following new paragraph immediately after Paragraph 7.18.B:

7.18.C. The Contractor agrees to hold harmless, indemnify and defend Owner, his employees, agents, consultants, or representatives from any loss or liability, financial or otherwise resulting from any claim, demand, suit, action or cause of action based on bodily injury, including death, or property damage, including damage to Contractor's property caused by any action, either direct or passive, the omission, failure to act, or negligence on the part of the Contractor, his employees, agents, representatives or subcontractors arising out of the performance of work under these Contract Documents by the Contractor, or by others under the direction or supervision of the Contractor.

In determining the nature of the claim against Owner, the incident underlying the claim shall determine the nature of the claim, notwithstanding the form of the allegations against Owner.

In the event of a claim or lawsuit against Owner, Contractor shall reimburse Owner for cost of Owner's personnel in defending such actions. Reimbursement for the time spent by such personnel shall be the rate charged for such services by the private sector.

Article 8—**OTHER WORK AT THE SITE**

No suggested Supplementary Conditions in this Article.

Article 9—**OWNER'S RESPONSIBILITIES**

9.12 *Owner's Site Representative*

SC-9.12 Add the following new paragraphs immediately after Paragraph 9.12 of the General Conditions:

9.13 *Owner as Resident Project Representative*

9.13.A. Owner may furnish Project representation during the construction period. The duties, responsibilities, and limitations of authority specified for Engineer in Article 10, Engineer's Status During Construction, and elsewhere in the Contract Documents will be those of Owner.

9.13.B. In addition to the Resident Project Representative which may be furnished by Engineer, Owner may furnish an Owner's Site representative to assist Engineer. The responsibilities, authorities, and limitations of authority of Owner's Site representative will be as specified for Engineer's Resident Project Representative.

Article 10—**ENGINEER'S STATUS DURING CONSTRUCTION**

10.05 Determinations for Unit Price Work

SC-10.05. Delete Paragraph 10.05 in its entirety and replace it with the following paragraph:

10.05. The Engineer will have the authority to determine the actual quantities and classifications of the items of Unit Price Work performed by the Contractor, and the written decisions of the Engineer on such matters will be final, binding on the Owner and Contractor, and not subject to appeal (except as modified by the Engineer to reflect changed factual conditions).

10.07 Limitations on Engineer's Authority and Responsibilities

SC-10.07. Add the following new paragraph immediately after Paragraph 10.07.E:

10.07.F. Contractors, Subcontractors, Suppliers, and others on the Project, or their sureties, shall maintain no direct action against Engineer, its officers, employees, affiliated corporations, and subcontractors, for any Claim arising out of, in connection with, or resulting from the engineering services performed. Only the Owner will be the beneficiary of any undertaking by Engineer.

Article 11—**CHANGES TO THE CONTRACT**

11.07 *Change of Contract Price*

SC-11.07. Add the following new paragraph immediately after Paragraph 11.07.C:

11.07.D. In the event Contractor submits request for additional compensation as a result of a change or differing Site conditions, or as a result of delays, acceleration, or loss of productivity, Owner reserves right, upon written request, to audit and inspect Contractor's books and records relating to the Project. Upon written request for an audit, Contractor shall make its books and records available within 14 days of request. Owner shall specifically designate identity of auditor. As part of audit, Contractor shall make available its books and records relating to the Project, including but not limited to Bidding Documents, cost reports, payroll records, material invoices, subcontracts, purchase orders, daily timesheets, and daily diaries. Audit shall be limited to those cost items which are sought by Contractor in a change order or claim submission to Owner.

Article 12—**CLAIMS**

No suggested Supplementary Conditions in this Article.

Article 13—**COST OF WORK; ALLOWANCES, UNIT PRICE WORK**

No suggested Supplementary Conditions in this Article.

Article 14—**TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK**

No suggested Supplementary Conditions in this Article.

Article 15—**PAYMENTS TO CONTRACTOR, SET OFFS; COMPLETIONS; CORRECTION PERIOD**

No suggested Supplementary Conditions in this Article.

Article 16—**SUSPENSION OF WORK AND TERMINATION**

No suggested Supplementary Conditions in this Article.

Article 17—**FINAL RESOLUTIONS OF DISPUTES**

17.02 *Arbitration*

SC-17.02. Add the following new paragraph immediately after Paragraph 17.01.

SC-17.02.A. All matters subject to final resolution under this Article will be decided by arbitration in accordance with the rules of NRS, subject to the conditions and limitations of this paragraph. This agreement to arbitrate and any other agreement or consent to arbitrate entered into will be specifically enforceable under the prevailing law of any court having jurisdiction.

SC-17.02.B. The demand for arbitration will be filed in writing with the other party to the Contract and with the selected arbitrator or arbitration provider, and a copy will be sent to Engineer for information. The demand for arbitration will be made within the specific time required in this Article, or if no specified time is applicable within a reasonable time after the matter in question has arisen, and in no event shall any such demand be made after the date when institution of legal or equitable proceedings based on such matter in question would be barred by the applicable statute of limitations. The demand for arbitration should include specific reference to Paragraph SC-17.02.D below.

SC-17.02.C. No arbitration arising out of or relating to the Contract shall include by consolidation, joinder, or in any other manner any other individual or entity (including Engineer, and Engineer's consultants and the officers, directors, partners, agents, employees or consultants of any of them) who is not a party to this Contract unless:

SC-17.02.C.1. the inclusion of such other individual or entity is necessary if complete relief is to be afforded among those who are already parties to the arbitration; and

SC-17.02.C.2. such other individual or entity is substantially involved in a question of law or fact which is common to those who are already parties to the arbitration and which will arise in such proceedings.

SC-17.02.D. The award rendered by the arbitrator(s) shall be consistent with the agreement of the parties, in writing, and include a concise breakdown of the award, and a written explanation of the award specifically citing the Contract provisions deemed applicable and relied on in making the award.

SC-17.02.E. The award will be final. Judgment may be entered upon it in any court having jurisdiction thereof, and it will not be subject to modification or appeal, subject to provisions of the Laws and Regulations relating to vacating or modifying an arbitral award.

SC-17.02.F. The fees and expenses of the arbitrators and any arbitration service shall be shared equally by Owner and Contractor.

Article 18—**MISCELLANEOUS**

No suggested Supplementary Conditions in this Article.

END OF SUPPLEMENTARY CONDITIONS

SECTION 11 SPECIAL CONDITIONS

ARTICLE 1—PERMITS

1.01 Washoe County Grading Permit

The Contractor shall comply with all permit conditions of the Washoe County Grading Permit. This permit will be applied for by the Contractor and will be picked up by the Contractor prior to commencing work.

END OF SECTION 11

STATE OF NEVADA

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2023 PREVAILING WAGE RATES WASHOE COUNTY

DATE OF DETERMINATION: October 1, 2022

**APPLICABLE FOR PUBLIC WORKS PROJECTS OVER \$100,000 BID/AWARDED
OCTOBER 1, 2022 THROUGH SEPTEMBER 30, 2023**

Pursuant to Nevada Revised Statutes (NRS) section 338.030(9)(a), "If the contract for a public work: (a) Is to be awarded pursuant to a competitive bidding process, the prevailing wages in effect at the time of the opening of the bids for a contract for a public work must be paid until the completion or termination of the contract or for the 36 months immediately following the date on which the bids were opened, whichever is earlier." For contracts not awarded pursuant to competitive bidding, please see NRS section 338.030(9)(b). However, if a project exceeds 36 months new wage rates may apply pursuant to NRS section 338.030(9)(10). Prevailing Wage Rates may be adjusted based on Collective Bargaining Agreements (CBA's) and adjustments to those agreements. (See NRS 338.030)

PREVAILING WAGE DETERMINATIONS - NRS 338.030 subsection 7, the wages so determined must be:

- (a) Issued by the Labor Commissioner on October 1 of the odd-numbered year in which the survey was conducted and, except as otherwise provided in subsection 8, remain effective for 2 years after that date; and
- (b) Made available by the Labor Commissioner to any public body which awards a contract for any public work.

Senate Bill 243 passed during the 80th Nevada Legislative Session (2019) and set forth in NRS section 338.025, now requires the Labor Commissioner to calculate the Prevailing Wage Rates by region. NRS section 338.025 Prevailing wage regions. For the purpose of determining the prevailing rate of wages pursuant to NRS section 338.030, four prevailing wage regions are hereby established in this State as follows:

1. The Washoe Prevailing Wage Region consisting of Washoe County;
2. The Northern Rural Prevailing Wage Region consisting of Carson City and the counties of Churchill, Douglas, Elko, Eureka, Humboldt, Lander, Lyon, Mineral, Storey, Pershing and White Pine;
3. The Clark Prevailing Wage Region consisting of Clark County; and
4. The Southern Rural Prevailing Wage Region consisting of the counties of Esmeralda, Lincoln and Nye.

OBJECTIONS TO PREVAILING WAGE DETERMINATIONS – NRS section 338.030 subsection 2. Objections to the Prevailing Wage Determinations must be submitted within 30 days after the Prevailing Wage Determinations are issued.

Pursuant to NRS section 338.030 subsection 8, the Labor Commissioner will review the prevailing wage rates in each even-numbered year to determine if adjustments should be made.

As Amendments/Revisions are made to the wage rates, they will be posted on the website for each respective Region. Please review regularly for any Amendments/Revisions that are posted or contact our offices directly for further assistance.

Air Balance Technician	4
Alarm Installer	5
Boilermaker	6
Bricklayer	7
Carpenter	8
Cement Mason	9
Electrician – Communication Technician	10
Electrician - Lineman	12
Electrician – Neon Sign	14
Electrician - Wireman	15
Elevator Constructor	16
Fence Erector	18
Flagperson	19
Floorcoverer	20
Glazier	21
Highway Striper	22
Hod Carrier-Brick Mason	23
Hod Carrier – Plasterer Tender	24
Ironworker	26
Laborer	29
Lubrication And Service Engineer (Mobile And Grease Rack)	46
Mechanical Insulator	31
Millwright	32
Operating Engineer	34
Operating Engineer – Steel Fabricator & Erector	34
Operating Engineer – Piledriver	35
Painter	37
Piledriver (Non-Equipment)	39
Plasterer	40
Plumber/Pipefitter	41
Refrigeration	42
Roofer	43
Sheet Metal Worker	45
Soils and Material Tester	46
Sprinkler Fitter	46
Surveyor	46
Taper	47
Tile/Terrazzo Worker/Marble Mason Finisher	49
Tile/Terrazzo Worker/Marble Mason	49
Traffic Barrier Erector	51
Truck Driver	52
Well Driller	54
Group Classifications	
Labor Group Classifications	55
Operating Engineers	59

NRS section 338.010 subsection (25) “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 worker.

NRS section 338.035 Bona Fide Fringe Benefits - Discharge of part of obligation of contractor or subcontractor engaged on public work to pay wages by making certain contributions in name of workman. “Bona fide fringe benefit” means a benefit in the form of a contribution that is made not less frequently than monthly to an independent third party pursuant to a fund, plan or program: (a) Which is established for the sole and exclusive benefit of a worker and his or her family and dependents; and (b) For which none of the assets will revert to, or otherwise be credited to, any contributing employer or sponsor of the fund, plan or program. The term includes, without limitation, benefits for a worker that are determined pursuant to a collective bargaining agreement and included in the determination of the prevailing wage by the Labor Commissioner pursuant to NRS section 338.030.

Please see NRS sections 338.010, 338.020, and 338.035 and Nevada Administrative Code (NAC) sections 338.0097 and 338.092 through 338.100 for further details on “Bona fide fringe benefits” and reporting requirements and exceptions.

Job Descriptions for Recognized Classes of Workers

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 section 338.0095(1)(a) - A worker employed on a public work must be paid the applicable prevailing rate of wage for the type of work that the worker actually performs on the public work and in accordance with the recognized class of the worker.
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.

Premium Pay Premium pay for hours worked in excess of a shift of 8 hours or 12 hours, or such other time increment set forth in the Collective Bargaining Agreement or on a weekend or holiday.

Craft: AIR BALANCE TECHNICIAN (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Air Balance Technician Journeyman.....	71.50
Air Balance Technician-Foreman.....	75.71
Air Balance Technician-General Foreman.....	79.93

ADD ZONE RATE

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

Zone 1	0 to 75 miles	\$0.00
Zone 2	75 to 100 miles	\$5.00
Zone 3	Over 100 miles	\$10.00 the employee shall be provided reasonable lodging and meal expenses.

ADD PREMIUM PAY

All hourly rates are subject to Over Time (One and one half 1 ½) of the Regular rate:

1. For all hours worked over Eight (8) Hours in one day or shift.
2. For the first Eight (8) Hours work on Saturday.

All hourly rates are subject to Double Time of the Regular Rate:

1. For all hours worked over Ten (10) Hours in one day or shift.
2. For all hours worked over Eight (8) Hours on Saturday.
3. For all hours worked on Sunday, New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Nevada Day, Thanksgiving Day, Day after Thanksgiving, Day before Christmas, and Christmas Day.

RECOGNIZED HOLIDAYS

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Nevada Day, Thanksgiving Day, Day after Thanksgiving, Day before Christmas, and Christmas Day

JOB DESCRIPTION: Excerpt from Sheet Metal Local 26 Collective Bargaining Agreement

(a) manufacture, fabrication, assembling, handling, erection, installation, dismantling, conditioning, adjustment, alteration, repairing and servicing of all ferrous or nonferrous metal work and all other materials used in lieu thereof and of all HVAC systems, air veyor systems, exhaust systems, and air-handling systems regardless of material used including the setting of all equipment and all reinforcements in connection therewith; (b) all lagging over insulation and all duct lining; (c) testing and balancing of all air-handling equipment and duct work; (d) the preparation of all shop and field sketches whether manually drawn or computer assisted used in fabrication and erection, including those taken from original architectural and engineering drawings or sketches; (e) metal roofing; and (f) all other work included in the jurisdictional claims of International Association of Sheet Metal, Air, Rail and Transportation Workers.

Craft: ALARM INSTALLER (Non-Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Alarm Installer.....33.79

JOB DESCRIPTION:

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;

Craft: BOILERMAKER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Boilermaker.....	65.94
Boilermaker Foreman.....	65.94
Boilermaker General.....	65.94

ADD PREMIUM PAY

Premium pay for hours worked in excess of a shift of 8 hours or 12 hours or such other time increment set forth in the Collective Bargaining Agreement or on a weekend or holiday.

JOB DESCRIPTION:

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.

Craft: BRICKLAYER (Union Rate)
Prevailing wage rates include the base rate as well as all applicable fringes

Bricklayer Journeyman.....	48.71
Bricklayer Foreman.....	49.96

Add Zone pay

Zone	75 miles and Over	\$8.13
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ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For any hours worked on Saturday from midnight to midnight.

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over twelve (12) hours in one day or shift.
2. For any hours worked on Sunday from midnight to midnight.
3. For any hours worked on holidays from midnight to midnight.

RECOGNIZED HOLIDAYS

If any of these holidays fall on Sunday, the Monday following shall be considered a Holiday.
 New Year's Day, President's Day, Memorial Day, Fourth of July, Labor Day, Admission Day,
 Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement between No, NV Masonry Contractors and LIUNA
 Local 169

This shall apply to and cover the work of Brick/Block Masonry, Stone Masonry, Artificial Masonry
 Marble Masonry.

Craft: CARPENTER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Carpenter Journeyman.....	54.91
Carpenter Foreman.....	58.32
Carpenter General Foreman.....	62.07

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 from the Washoe County Courthouse)
Zone 2	75 to 150 miles	\$4.00
Zone 3	150 to 300 miles	\$5.00
Zone 4	Over 300 miles	\$6.00

ADD PREMIUM PAY

Any work performed over eight (8) hours per day and on Saturdays shall be compensated at time and one-half (1-1/2x) the appropriate hourly rate. All work performed on Sundays, holidays and over twelve (12) hours in one (1) day shall be compensated at two times (2x) the appropriate hourly rate. In the event a day's work is lost because of severe weather conditions or major mechanical breakdown, work may be performed on a voluntary basis on a Saturday at the straight time hourly rate for eight (8) hours provided the straight time hours worked in one (1) week do not exceed forty (40) hours.

RECOGNIZED HOLIDAYS

New Year's Day, Memorial Day, 4th of July, Labor Day, Admission's Day, Thanksgiving Day, the Friday after Thanksgiving, Christmas Day.

JOB DESCRIPTION Excerpt from Southwest Regional Council of Carpenters and Affiliated Local Unions Master Labor Agreement

- (1) All building construction, including but not limited to the construction, erection, alteration, repair, modification, demolition, addition, or improvement in whole or in part of any building structure. All rigging of Carpenters', and Piledrivers' materials.
- (2) All heavy, highway and engineering construction, including but not limited to the construction, improvement, modification and demolition of all or any part of the streets, highways, bridges, viaducts, railroads, tunnels, airports, water supply, irrigation, flood control and draining systems, sewers and sanitation projects, dams, power houses, refineries, aqueducts, canals, river and harbor projects, wharves, docks, breakwaters, jetties, quarrying of breakwaters or rip rap stone or operations incidental to such heavy construction work and whether such work is above or below the water line level.
- (3) The character of such work covered by this Agreement shall include but not be limited to all carpenter, concrete form work, shoring, drywall, metal stud, drywall finishing, plaster, scaffold, modular furniture, trade show work, insulation, acoustical, and lathing work on such construction
- (4) All interior and/or exterior wall finish work, including EIFS and other wet wall finish work.

Craft: CEMENT MASON (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Cement Mason - Journeyman.....	48.92
Cement Mason - Foreman.....	52.55

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 to 90 miles	\$0.00
Zone 2	over 90 miles	\$6.00

ADD PREMIUM PAY

OVERTIME – Any worked performed over eight (8) hours per day shall be compensated at time and one half the hourly rate. All work performed after twelve (12) consecutive hours shall be paid at double the hourly rate. All worked performed on Saturdays shall be compensated at time and one half the hourly rate. All Sunday and Holiday work shall be paid for at double time.

RECOGNIZED HOLIDAYS

New Year’s Day, Memorial Day, Independence Day, Labor Day, Admissions Day, Thanksgiving Day and the following Friday following Thanksgiving Day, and Christmas

JOB DESCRIPTIONS

1. All building construction, including but not limited to the construction, erection, alteration, repair, modification, demolition, addition, or improvement in whole or in part of any building structure.

2. All heavy, highway and engineering construction, including but not limited to construction, improvement, modification, demolition, of all or any part of streets and highways (including sidewalks, curbs and gutters), bridges, viaducts, rail roads, tunnels, airports, water supply, irrigation, flood control and drainage systems, sewers and sanitation projects, dams, power houses, refineries, aqueducts, canals, river and harbor projects, wharves, docks, breakwaters, jetties, quarrying of breakwater or rip-rap stone, or operation incidental to such heavy construction work.

3. The work to be performed by Cement Masons shall include but not be limited to the following, when tools of the Cement Masons trade are used or required:

Setting screeds, screed pins, curb forms and curb and gutter forms, rodding, spreading and tamping concrete, hand application of curing compounds, applying topping (wet or dry) colors or grits; using Darby and push floats, hand troweling or hand floating; marking edging, brooming or brushing, using base cove or step tools; chipping, and stoning, patching or sacking; dry packing; spreading and finishing gypsum, operating mechanical finishers (concrete) such as Clary, Jackson, Bidwell Bridge Deck Paver or similar types; grinding machines; troweling machines, floating machines powered concrete saws; finishing of epoxy and resin materials, bush hammering and exposed finishes for architectural work.

Operation of skill saw, chain saw, Laser Screed, Laser Level, Curb and Slipform machines, Epoxy Type Injection pumps, stamps or other means of texturing, any new devices, which are beneficial to the construction of or with concrete or related products.

Craft: ELECTRICIAN COMMUNICATION TECHNICIAN (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Communication Installer.....	44.79
Communication Technician.....	49.66
Senior Technician	52.91

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 to 70 miles	\$0.00
Zone 2	70 to 90 miles	\$8.00
Zone 3	90 miles and over	\$10.00

ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For the first eight (8) hours worked on Saturday

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over eight (10) hours in one day or shift.
2. For any hours worked on Sunday
3. For any hours worked on Holidays

Shift Rates

1. Swing shift to be paid at seventeen-point three (17.3) percent the regular straight time rate for hours between 4:30 p.m. and 1:00 a.m.
2. Graveyard shift to be paid at thirty-one-point four (33.4) percent the regular straight time rate for hours between 12:30 a.m. and 9:00 a.m.
3. Shifts are established for at least five (5) consecutive days or double the regular straight time rate shall be paid.

**Note – Double the straight time rate is the max rate paid. (No pyramiding of overtime rates)

JOB DESCRIPTION:

The work covered by this Agreement shall include the installation testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, 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 system, radio page, school intercom and sound, burglar alarms and low voltage master clock systems.

- A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS 1. Background-foreground music 2. Intercom and telephone interconnect systems 3. Telephone systems 4. Nurse call systems 5. Radio page systems 6. School intercom and sound systems 7. Burglar alarm systems 8. Low-voltage

master clock systems 9. Multi-media/multiplex systems 10. Sound and musical entertainment systems
11. RF Systems 12. Antennas and Wave Guide

B. FIRE ALARM SYSTEMS * 1. Installation, wire pulling and testing

C. Television and Video Systems 1. Television monitoring and surveillance systems 2. Video security systems 3. Video entertainment systems 4. Video educational systems 5. Microwave transmission systems 6. CATV and CCTV

D. Security Systems 1. Perimeter security systems 2. Vibration sensor systems 3. Card access systems
4. Access control systems 5. Sonar/Infrared monitoring equipment

E. COMMUNICATION SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS (IN THE SCOPE)
1. SCADA (Supervisory Control and Data Acquisition) 2. PCM (Pulse Code Modulation) 3. Inventory Control Systems 4. Digital Data Systems 5. Broadband and Baseband and Carriers 6. Point of Sale Systems 4 7. VSAT Data Systems 8. Data Communication Systems 9. RF and Remote-Control Systems 10. Fiber Optic Data Systems

Craft: ELECTRICIAN LINEMAN/GROUNDMAN/HEAVY EQUIPMENT OPERATOR
(Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Electrician-Groundman.....	56.09
Lineman-Journeyman.....	81.13
Lineman-Foreman.....	87.80
Lineman-General Foreman.....	94.54
Lineman-Equipment Man.....	67.81

ADD PREMIUM PAY

Premium pay for hours worked in excess of a shift of 8 hours or 12 hours or such other time increment set forth in the Collective Bargaining Agreement or on a weekend or holiday.

RECOGNIZED HOLIDAYS

New Year's Day, Martin Luther King Holiday, President's Day, Memorial Day, Independence Day, Labor Day, Nevada Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION:

Outside, overhead and underground construction and maintenance work on electrical transmission lines, switch yards, substations and distribution systems which shall include:

1. Pole line work (whether built of wood, metal or other material): the digging and back-filling of holes for poles or anchors (by hand or mechanical equipment); the loading or unloading, handling, sorting and moving of materials; the assembly or erection of all materials including the guying, stringing of conductors and fiber optics or other work necessary on through to the ultimate completion of such pole work.

2. Steel or metal structures used for the purpose of carrying electrical wire, conductors, or equipment (this includes transmission towers, outdoor substations, switch racks, or similar electrical structures); the moving of men, tools or equipment; the loading or unloading, handling, sorting and moving of materials; the assembly and erection of all materials used on the job site, including the assembly of the grillage and foundations, on through to the ultimate completion of such structures. Work covered shall include the grounding of all such structures except the bonding of stub-angle to rebar cage; the stringing and installation of wires, cables and insulators or other electrical equipment suspended from structure; also the handling and placing of transformers or O.C.B.'s and other related electrical equipment.

The moving of men, tools or equipment; the loading or unloading, handling, sorting and moving of materials; the assembly of all electrical materials on race-ways such as ducts, shall be performed by workmen under the Agreement. This shall also include CIC (cable in conduit), CC (coillable conduit), the placing of fish wire, the pulling of cables or wires through such race-ways, installing and making up of termination and the splicing of such conductors.

Street lighting systems where such work properly comes under the outside jurisdiction shall be handled in the same manner as pole line construction.

Installing and maintaining the catenary and trolley work and bonding of rails shall be handled in the same manner as pole line, and steel construction.

In connection with all of the above items, it is understood the scope of this Agreement shall include not only new installation work but shall also govern the repair, maintenance or dismantling of such structures, lines or equipment; the handling and operating of all equipment used to transport men, tools and/or materials on the job site as well as the equipment used to move, raise or place materials used in the Outside Branch of the Electrical Industry shall be performed by workmen under this Agreement unless otherwise excluded herein.

Craft: ELECTRICIAN – NEON SIGN
(Non-Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Electrician Neon Sign Journeyman.....37.06

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;

Craft: ELECTRICIAN WIREMAN (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Wireman.....	69.61
Wireman-Cable Splicer.....	75.41
Wireman Foreman.....	75.41
Wireman General Foreman.....	81.21

ADD ZONE RATE

In addition to ELECTRICIAN-Wireman, rates, add the applicable amounts per hour, calculated from Washoe County Courthouse, Reno Nevada:

Zone 1	0 to 70 miles	\$0.00
Zone 2	70 to 90 miles	\$8.00
Zone 3	90 miles and over	\$10.00

ADD PREMIUM PAY

Premium pay for hours worked in excess of a shift of 8 hours or 12 hours or such other time increment One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For the first eight (8) hours worked on Saturday

Double the regular straight time hourly rate shall be paid for all time:

3. For all hours worked over ten (10) hours in one day or shift.
4. For any hours worked on Sunday
5. For any hours worked on Holidays

Shift Rates

1. Swing shift to be paid at seventeen-point three (17.3) percent the regular straight time rate for hours between 4:30 p.m. and 1:00 a.m.
2. Graveyard shift to be paid at thirty-one-point four (33.4) percent the regular straight time rate for hours between 12:30 a.m. and 9:00 a.m.
3. Shifts are established for at least five (5) consecutive days or double the regular straight time rate shall be paid.

**Note – Double the straight time rate is the max rate paid. (No pyramiding of overtime rates)

RECOGNIZED HOLIDAYS

New Year’s Day, Memorial Day, Independence Day, Labor Day, Admission Day, Veteran’s Day, Thanksgiving Day, Friday following Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement between NECA and Local Union 401, IBEW

All electrical construction, installation, or erection work including fabrication or prefabrication of boxes, brackets, bends and nipples and all electrical maintenance thereon including the final running tests. This shall include the installation and maintenance of temporary wiring and the installation of all electrical lighting, heat and power equipment, installation of all raceway systems, including underground conduits and all supports, underground utility conduits, photovoltaic power generation systems, wind power generation systems and geothermal power generating systems. Further all salvage of electrical work shall be included.

Craft: ELEVATOR CONSTRUCTOR (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Elevator Constructor-Journeyman Mechanic.....	117.95
Elevator Constructor-Journeyman Mechanic In Charge.....	128.06

ADD PREMIUM PAY

Work performed on Construction Work on Saturdays, Sundays and before and after 30 the regular working day on Monday to Friday, inclusive, shall be classed as overtime, and paid for at double the rate of single time.

RECOGNIZED HOLIDAYS

New Year's Day, Memorial Day, Independence Day, Labor Day, Nevada Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement of International Union of Elevator Constructors

The handling and unloading of all equipment coming under the jurisdiction of the Elevator Constructor, from the time such equipment arrives at or near the building site, shall be handled and unloaded by the Elevator Constructors. Mechanical equipment such as a forklift or truck mounted swing boom may be used by the Elevator Constructors. A derrick, crane or material hoist can be used under the supervision of Elevator Constructors to handle and unload the heavy material described in Par. 5(a). Where unusual conditions are expected to exist prior to delivery of equipment at or near the building site in regard to handling and unloading of equipment in the primary or secondary jurisdiction of the local union, the Company shall contact the Local's Business Representative to make appropriate arrangements for the handling and unloading of such equipment. In areas outside the jurisdiction of the local union, the Company shall contact the Regional Director.

(b) The erecting and assembling of all elevator equipment to wit: electric, hydraulic, steam, belt, dumbwaiters, residence elevators, parking garage elevators (such as Bowser, Pigeon Hole, or similar types of elevators), shuttles, compressed air and handpower, automatic people movers, monorails, airport shuttles and like-named devices used in the transportation of people for short distances of travel (less than 5 miles), as well as vertical reciprocating conveyor systems.

(c) It is understood and agreed that the preassembly of all escalators, moving stairways and link belt carriers that may be done in the factory shall include the following:

1. Truss or truss sections with tracks, drive units, machines, handrail drive sheaves, drive chains, skirts on the incline sections but not curved sections, step chains and steps installed and permanently aligned.
2. Balustrade brackets may be shipped attached but not aligned.
3. Setting of all controllers and all wiring and conduit from the controller.

All other work on escalators, moving stairways and link belt carriers shall be performed in the field before or after the truss or truss sections are joined and/or hoisted and placed in permanent position. This includes any and all work not done in the factory. The erecting and assembly of all theater stage and curtain elevator equipment and guides and rigging thereto, organ consoles and orchestra elevators

- (d) All wiring, conduit, and raceways from main line feeder terminals on the controller to other elevator apparatus and operating circuits. Controllers are not to be shipped from the factory with extended wiring attached thereto.
- (e) The erecting of all guide rails.
- (f) The installation of all grating under the control of the Company. The installation of all counterweight screens, overhead work, either wood or iron, and all material used for mounting of elevator apparatus in machine room, overhead or below.
- (g) The drilling of overhead beams for attaching machines, sheaves, kick angles, and all other elevator equipment.
- (h) The setting of all templates.
- (i) All foundations, either of wood or metal, that should take the place of masonry.
- (j) The assembly of all cabs complete.
- (k) The installation of all indicators.
- (l) The erecting of all electrical or mechanical automatic or semi-automatic gates complete.
- (m) The hanging of all automatic or semi-automatic elevator hoistway doors, together with the installation of hangers and tracks.
- (n) The installation of all devices for opening and closing and locking of elevator car and hoistway doors and gates.
- (o) The drilling of doors for mounting of closing devices.
- (p) The drilling of angle supports for mounting of closing devices except one template hole.
- (q) The drilling of sills for sill trips.
- (r) The operating of temporary cars.
- (s) The setting of all elevator pressure open or pit tanks.
- (t) The setting of hydraulic power units (power units include: motor, pump, drive valve system, internal piping, muffler, internal wiring, controller and tank). Where power units arrive in parts, they shall be assembled at the job site. The wiring and piping to and between multiple hydraulic power units shall be performed at the job site.
- (u) All air cushions with the exception of those built of brick or those put together with hot rivets.
- (v) Landing door entrances.

Craft: FENCE ERECTOR (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Fence Erector.....45.78

ADD ZONE RATE

In addition to FENCE ERECTOR 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 or over	\$6.00

ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For any hours worked on Saturday from midnight to midnight.

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over twelve (12) hours in one day or shift.
2. For any hours worked on Sunday from midnight to midnight.
3. For any hours worked on holidays from midnight to midnight.

RECOGNIZED HOLIDAYS

If any of these holidays fall on Sunday, the Monday following shall be considered a Holiday. New Year's Day, President's Day, Memorial Day, Fourth of July, Labor Day, Admission Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION:

Includes but is not limited to:

1. Erecting or repairing chain link, wooden, tortoise, wire/wire mesh, or temporary fencing;
2. Mixing and pouring concrete around bases of posts and tamping soil into post hole to embed post;
3. Digging post holes with a spade, post hole digger or power-driven auger;
4. Aligning posts through the use of lines or by sighting;
5. Verifying vertical alignment of posts with a plumb bob or spirit level;

Craft: FLAG PERSON (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Flag Person.....42.66

ADD ZONE RATE

In addition to FLAG PERSON 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 or over	\$6.00

ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For any hours worked on Saturday from mid night to midnight.

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over twelve (12) hours in one day or shift.
2. For any hours worked on Sunday from midnight to midnight.
3. For any hours worked on holidays from midnight to midnight.

RECOGNIZED HOLIDAYS

If any of these holidays fall on Sunday, the Monday following shall be considered a Holiday. New Year’s Day, President’s Day, Memorial Day, Fourth of July, Labor Day, Admission Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION

FLAG PERSON, includes but is not limited to:

1. Directing movement of vehicular traffic through construction projects;
2. Distributing traffic control signs and markers along site in designated pattern;
3. Informing drivers of detour routes through construction sites;

Craft: FLOOR COVERER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Floor Coverer Journeyman.....	50.69
Floor Coverer Foreman.....	54.12

ADD PREMIUM PAY

Shift work

1. \$2.00 per hour will be added to the taxable net wage to shift schedule of hours worked between 6:00 p.m. and 6:00 a.m.

One and one half (1 ½) time -shall be calculated using one (1) hour of the taxable net wage and one half (1/2) the base wage, to be paid for all time:

1. For all hours worked over ten (10) hours in one day or shift.
2. For any hours worked on Saturday from midnight to midnight

Double time -shall be calculated using one (1) hour of the taxable net wage and one (1) of the base wage, to be paid for all time:

1. For any hours worked on Sunday from midnight to midnight
2. For any hours worked on holidays from midnight to midnight

RECOGNIZED HOLIDAYS

New Year's Day, Memorial Day, Independence Day, Labor Day, Admissions Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement between Painters and Allied Trades DC 16 and Independent Flooring Contractors of No Nevada

Measuring, cutting, fabricating, fitting, installing to be cemented, tacked or otherwise applied to its base wherever it may be, all materials whether used either as a decorative covering or as an acoustical appliance such as carpets of all types and designs, wall carpets, sheet rubber, sheet vinyl, cork carpet, rubber tile, asphalt tile, tile, cork tile, linoleum tile, mastic in sheets or the tile from vinyl tile, interlocking tile, laminate flooring, engineered wood, hardwood, composition in sheet or tile form and all derivatives of above; the fittings of all devices for the attachment of the above materials and the fitting of all decorative or protective trim to and adjoining the above materials which shall include the drilling and plugging of holes and attaching of strips, slats, nosing, etc. on any base where the above materials are to be installed, or applied, such as drilling, plugging, slating, and slating for installing or fastening of carpet, the installing of all nosing, cap strips, corner beads and edging of any material and the preparatory work of the craft for all of the aforesaid. Also, the cleaning of rugs, carpets, and drapery hanging, make-up and the installation of drapes, the spraying and/or rolling of adhesives as required for double stick installation and carpet tiles.

Craft: GLAZIER (Non-Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Glazier Journeyman.....25.25

JOB DESCRIPTION:

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;

Craft: Highway Striper (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Highway Striper.....	48.28
Highway Striper Foreman.....	48.78

ADD ZONE RATE

In addition to HIGHWAY STRIPER 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 or over	\$6.00

ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For any hours worked on Saturday from midnight to midnight.

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over twelve (12) hours in one day or shift.
2. For any hours worked on Sunday from midnight to midnight.
3. For any hours worked on holidays from midnight to midnight.

RECOGNIZED HOLIDAYS

If any of these holidays fall on Sunday, the Monday following shall be considered a Holiday. New Year’s Day, Memorial Day, 4th of July, Labor Day, Admission Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION:

Includes but is not limited to:

1. Painting highways, streets and parking surfaces by using manually propelled or mechanically propelled machines, brushes, rollers or spray guns;
2. Installing any device or application of any material used in lieu of paint for traffic direction, including, without limitation, buttons, tapes, plastics, rumble bars and other similar materials;

Craft: Hod Carrier-Brick Mason Tender (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Brick Mason Journeyman.....	46.03
Brick Mason Foreman.....	46.43

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	75 miles and Over	\$8.13
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ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For any hours worked on Saturday from midnight to midnight.

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over twelve (12) hours in one day or shift.
2. For any hours worked on Sunday from midnight to midnight.
3. For any hours worked on holidays from midnight to midnight.

RECOGNIZED HOLIDAYS

If any of these holidays fall on Sunday, the Monday following shall be considered a Holiday. New Year's Day, President's Day, Memorial Day, Fourth of July, Labor Day, Admission Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement between No, NV Masonry Contractors and LIUNA Local 169

Conveying of all materials used by the Brick and Stone Masons from the first point of delivery to the Mechanic whether done manually or by a piece of machinery or equipment devised to replace the wheelbarrow or buggy, including but not limited to the forklift. The handling of Bricks, Blocks, mortar, or any other material to serve the bricklayer in any capacity building and dismantling scaffolds of any kind or type used by Bricklayers for masonry work including but not limited to tower scaffolds, access scaffolds, or other specialty scaffolds, mixing and tempering mortar by hand and/or machine, mixing grout and cleaning up after the bricklayer, the repairing and maintenance of all equipment, either on the job or in the yard.

Craft: Hod Carrier-Plasterer Tender (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Plasterer Tender-Journeyman.....	46.37
Plasterer Tender- Gun Tender.....	47.37
Plasterer Tender-Foreman.....	47.73

ADD ZONE RATE

In addition to: HOD CARRIER-PLASTERER TENDER rates add the applicable amounts per hour, calculated based on road miles from So. Virginia St., Reno, Nevada:

Zone 1	0 to 70 miles	\$0.00
Zone 2	70 miles and Over	\$8.00

ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For any hours worked on Saturday from mid night to midnight.

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over twelve (12) hours in one day or shift.
2. For any hours worked on Sunday from midnight to midnight.
3. For any hours worked on holidays from midnight to midnight.

RECOGNIZED HOLIDAYS

If any of these holidays fall on Sunday, the Monday following shall be considered a Holiday. New Year’s Day, President’s Day, Memorial Day, Fourth of July, Labor Day, Admission Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement between Plasterers Contractors and LIUNA Local Union 169

Any Employee within the scope of this division tending or serving any other worker performing plasterers work, any plasterer, plasterers, or apprentices in any capacity performing plasterers work including but not limited to, handling and conveying of all materials after delivery used by plasters, including but not limited to, inside finish coat, outside finish coat, brown coat, scratch coat, sprayed or trowled on fireproofing, EIFS systems, and other materials or systems for the same or similar purpose whether done manually or by a piece of machinery or equipment devised to replace the wheelbarrow or buggy, including but not limited to the forklift, tusk hoist, and rigging and signaling for cranes to the point or points of application or installation, making mixing and preparing after delivery all materials used by plasters, whether by hand or machine including but not limited to mixers, pumps for plaster or fire proofing, plaster, finish coats, fireproofing, including Monocoat, Cafco or other materials for the same or similar use, moving any rolling scaffolding, building and handling all necessary trestle, scaffolding and planking of scaffolding for plasterers and lathers, building mortar boxes, mortar boards and stands, and the repairing and maintenance of all equipment either on the job or in the yard, the spreading of all temporary protective drop cloths, building paper or plastic covers and taping of same (in a composite crew with the plasterers when necessary), the cleaning of all floors, and debris, behind the plasterers or any other worker performing plasterers work in connection with the work performed all work necessary for cold weather protection and cure including but not limited to handling installing or tending to blankets, visqueen, and space heaters, and running putty.

Tending to plasterers or any other worker performing plasterers work on EFIS system work shall include all work after the wallboard is installed including but not limited to any preparatory sealing or leveling, placing foam, mesh, and plaster including any rough, finish, and color coats.

For sprayed on fire proofing work only, including Monocoat, Cafco or other materials for the same or similar use an Employer signatory to this Agreement and the Local 169, Laborers Master Agreement may employ Laborers at the Group 1 wage rate to perform overspray protection, the spreading of all temporary protective drop cloths, building paper or plastic covers and taping of same, the cleaning of all floors, and debris, cold weather protection and cure including but not limited to handling installing or tending to blankets, visqueen, and space heaters and moving rolling scaffolding.

Craft: Ironworker (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Ironworker-Journeyman.....	78.74
Ironworker - Foreman.....	83.21
Ironworker -General Foreman.....	88.13

ADD ZONE RATE

In addition to Iron Worker rates add the applicable amounts per day, calculated based on a road mile from the Reno City Hall.

Zone 1	60 to 75 miles	\$20.00
Zone 2	75 to 100 miles	\$25.00
Zone 3	100 miles and over	\$75.00

ADD PREMIUM PAY

One and one half (1X) the regular straight time hourly rate shall be paid:

1. For the first two (2) hours worked in excess of eight (8) on a regular workday Monday-Friday
2. For the first eight (8) hours on Saturday

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over ten (10) hours in one day or shift.
2. For any hours worked on Sunday.
3. For all hours worked over eight (8) on Saturday
4. For all hours worked on Holidays

Shift Pay

1. 2nd shift add 6% of hourly wage
2. 3rd shift add 13% of hourly wage
3. Dedicated shift add 6% of hourly wage

RECOGNIZED HOLIDAYS

New Year’s Day, President’s Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB CLASSIFICATION: Excerpt from Agreement between NV AGC and DC of Ironworkers

Field fabrication and/or erection or deconstruction of structural, ornamental and reinforcing steel, including but not limited to the fabrication, rigging and signaling, erection and construction of all iron and steel, ornamental lead, bronze, brass, copper and aluminum, plastics and all other substitute materials, including, but not limited to, composites, carbon fiber and fiberglass, all barrier railings, handrail, aluminum, steel, glass and plastic, reinforced concrete structures or parts thereof; bridges, viaducts, inclines, dams, docks, dredges, vessels, locks, gates, guides, aqueducts, reservoirs, spillways, flumes, caissons, cofferdams, subways, tunnels, cableways, tramways, monorails, blast furnaces, stoves, kilns, coolers, crushers, agitators, pulverizers, mixers, concentrators, ovens, cupolas, roof decking such as but not limited to “Cofar”, “Trusdeck”, Mahon “M”; smoke conveyors, penstocks, flag poles, drums, shafting, shoring, fur and storage rooms, fans and hot rooms, stacks, bunkers, conveyors, dumpers, elevators, vats, tanks, enamel tanks, enamel vats, towers, pans, hoppers, plates, anchors, caps, corbels, lintels, Howe and combination trusses, grillage and foundation work, grating, bucks, partitions, hanging ceilings, hangers, clips, brackets, flooring, floor construction and domes, rolling shutters, curtains, frames; aluminum, rolling fire, won and iron doors, including supports; cast

tiling, air ducts, duct and trench frames and plates; wire work, railings, wire cable including pipe, guards, fencing, grill work, sidewalk and vault lights, skylights, roofs, canopies, light steel framing, marquees, awnings and other related equipment elevator and dumb waiter enclosures, elevator cars, tracks, fascias, aprons, operating devices, steel and aluminum sash, hardware and screens, frames, fronts, lockers, racks, book stacks, tables, shelving, metal furniture, seats, chutes, escalators, stairways including pre-engineered stairs, ventilators, boxes, fire escapes, signs, jail and cell work, safes, vaults, vault doors, safe deposit boxes, corrugated sheets when attached to steel frames, including insulation; frames in support of boilers; materials altered in field such as framing, cutting, bending, drilling, burning and welding including by acetylene gas and electric machines; metal forms and false work pertaining to concrete construction; seismic isolation systems and dampening systems including base isolators, sectional water tube and tubular boilers and stokers; traveling sheaves, vertical hydraulic elevators, bulkheads, skip hoists, making and installation of articles made of wire and fibrous rope, rigging in connection with pumps, compressors, forced and induced draft fans, air meters, Bailey meters, agitators, oxygen converters, cinder machines, pelletizing machines, reactor vessels, reactor spheres, completed tanks and assembled sections of completed tanks, scroll cases, refineries, hydroelectric power houses and steam plants, cogeneration plants, vessels and government departments; false work, travelers, scaffolding, pile drivers, sheet piling, derricks and powered derrick swinger including the erection, installation, handling and operating. Cranes erection, installation, handling and operating of same on all forms and types of construction work. The operation of Valla and Spider type battery and/or propane powered portable floor cranes having no operator seat utilized to install ironworker scope of work and the same on all forms and types of construction work. Crane work at the ports, including hammer-head cranes, container cranes and rubber tire cranes. Offloading, relocations, and commissioning of all burning and removal of sea bracing track layout; erection of apex boom extensions, back reach extensions, and rail replacement. Includes all welding, containment and structural modifications of the aforementioned items; railroad bridge work including maintenance thereof; moving, hoisting and lowering of machinery, modules, skid modules and placing of same on foundation, including bridges, cranes, intermittent use forklifts, derricks, buildings, piers and vessels; loading, unloading, necessary maintenance, erection, installation, removal, wrecking and dismantling of all of the above and all reinforcing work and submarine diving in connection with or about same; erection of steel towers, chutes and spouts for concrete where attached to towers and handling and fastening of cables and guys for same; unloading, racking, sorting, cutting, bending, hoisting, placing and tying including the use of any and all mechanical tying devices, burning and welding including stud welding of all iron, steel and metal in reinforced concrete construction including mesh for floor arches and the making of hoops and stirrups, metal forms and metal supports thereof; jacking of slip forms, installation of all wire, cable, parabolic cans, steel and all other materials, including, but not limited to, composites, carbon fiber and fiberglass, used for the purposes of prestressing including grouting of ducts, post stressing concrete girders, beams, columns, etc.; loading, unloading, hoisting, handling, signaling, placing and erection of all prestressed, post stressed, precast materials, G.F.R.C., Dryvit System, including the securing by bolting and/or welding and the installation of steeltex and wire mesh of any type when used for reinforced concrete construction; erection of all curtain wall; glass handrail; stay in place deck; automated and/or mechanical parking structures; offloading, staging, hoisting and setting of modular structures and micro-units; curtain wall systems and associated sealants. Window wall and entrances, panels, insulated and non-insulated, factory and field assembled, porcelain enameled panels, ceramic, laminated spandrelite, louvers and sunscreens; application of thiokol, neoprene and other sealants used to seal materials installed by Iron Workers; installation and handling of phenolic panels, including but not limited to, Trespa products and all similarly related materials and/or systems; installation of metal window stools and sills; installation of aluminum, bronze and steel thresholds; erection and dismantling of all types of cranes and changing of booms; erection of rock, sand and gravel plants, dismantling and loading out conveyors, aggregate plants, batch plants, abeleways, refrigeration plants, etc.; erection and dismantling of Monigan walking dragline, launchhammer bucket wheel excavator and other trenching equipment; signaling on highlines, whirley cranes and derricks, buck hoists, man hoists, fork lifts, material towers and scanning antennae; metal

and steel supports of all types; fabrication, assembling and erection of offshore drilling platforms or similar installations; dust collectors, precipitators, multi-plate, specialty welding processes, unloading, loading, hoisting, handling and rigging of all building materials delivered to the job site; hanging ceilings, tees, channels, beams, acoustical elements, sound barriers, computer floors, etc.; installation of stage rigging (including counterweights), curtains, draperies, traverse rods, tracks, cables, window cleaning equipment, powered work platforms, including and loading and unloading, erection installation and removal of powered chassis mounted elevating mast climbing work platforms, rigging in connection with display shows; ski lifts, etc.; wrecking of bridges, viaducts, elevated roads and structural steel and iron in buildings; all steel frames for openings, all porches, verandas, canopies and balconies; all overhead travelers, duo rails, tram rails; erection, setting, repairing of guard or collision rails on bridges and approaches, road ways or any other structures; handling and setting of all types of steel and metal joists, including metal box joists for truss lab and preformed keystone shaped metal joists; erection of steel and metal houses and packaged buildings; all translucent and plastic material on steel frame construction; the erection of solar energy systems, including but not limited to, photo voltaic, heliostat and parabolic systems, energy producing windmill type towers, wind turbine erection to included, but not limited to, prep work, boltup, tensioning or torque of bolts on base and all tower section turbine and blade assemblies; nuclear reactors, electromagnetic shielding plates and atomic vessels including all component parts; the plumbing, aligning and leveling of all materials and equipment through the use of optical instruments, LASER beams, etc., and the use of instruments to establish layout, installation and disposition of ironworker installed scope of work; the unloading, distributing, stockpiling and handling of all materials coming under the jurisdictional claims of the UNION such as to rail heads, storage yards, loading and unloading, hoisting, handling, signaling of all fabricated material and equipment at the jobsite (except FOB deliveries) related to the Iron Workers jurisdiction that is within the individual employers' contractual scope of work including from and to barge and ships to a lay down yard or construction project, etc., shall be done by the Iron Workers.

All reinforcing work in connection with field fabrication, including but not limited to the pre-assembly of reinforcing cages, loading and unloading, handling, racking, sorting, cutting, bending, hoisting, intermittent use of forklifts, placing, burning, welding and tying of all material including the use of any and all mechanical tying devices, or substitute materials, including but not limited to, composites, carbon fiber and fiberglass, stainless steel, used to reinforce concrete construction shall be done by Iron Workers within the individual employers' scope of work at the jobsite, excluding FOB deliveries. A working Iron Worker shall be employed for maintenance on jobs of substantial size while concrete is being poured on reinforcing steel, wire mesh and paper back steeltex but will not be required as a stand-by man. All work in connection with the installation, alignment, repair & modification of panelized roofing systems, pre-engineered fabric structures, aluminum clarifier coverings, carports, ministorages, and dock planks. All work in connection with the installation, alignment, repair and modification of bleachers, planking and stadium seating. All work in connection of installation of amusement rides including, but not limited to, the erection and alignment of all track, machinery and related components.

Craft: Laborer (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Landscaper	40.37
Furniture Mover	41.87
Group 1.....	45.53
Group 1A.....	42.66
Group 2.....	45.63
Group 3.....	45.78
Group 3A.....	48.21
Group 4.....	46.03
Group 4A.....	48.53
Group 5.....	46.33
Group 6	
Nozzlemen, Rodmen.....	45.33
Gunmen, Materialmen.....	46.03
Reboundmen.....	45.68
Gunite Foreman.....	46.73

ADD ZONE RATE

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 or over	\$6.00

ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For any hours worked on Saturday from midn ight to midnight.

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over twelve (12) hours in one day or shift.
2. For any hours worked on Sunday from midnight to midnight.
3. For any hours worked on holidays from midnight to midnight.

RECOGNIZED HOLIDAYS

If any of these holidays fall on Sunday, the Monday following shall be considered a Holiday. New Year’s Day, President’s Day, Memorial Day, Fourth of July, Labor Day, Admission Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement between AGC and LIUNA Local 169

The construction, erection, alteration, repair, modification, demolition, addition, improvement of all building, heavy and highway, utility, industrial and all other type(s) of construction.

SEE GROUP CLASSIFICATIONS

Craft: LUBRICATION AND SERVICE ENGINEER (MOBILE AND GREASE RACK) (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

SEE AMENDMENT 2

Lubrication and Service Engineer (mobile and grease rack).....65.08

ADD ZONE RATE

In addition to: **LUBRICATION AND SERVICE ENGINEER (MOBILE AND GREASE RACK)** 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	\$4.00
Zone 3	150 to 300 miles	\$5.00
Zone 4	300 miles and over	\$6.00

ADD PREMIUM PAY

1. One and one-half (1-1/2) times the applicable straight-time rate for the day, shift, work, equipment and classification shall be paid for all work (including repair work and field survey work) performed on Saturday and before a shift begins and after it ends, except when operating equipment servicing a craft that is receiving double time on commercial building construction, in which case double time shall be paid.

2. Overtime. The following rates shall apply on Sundays and holidays and all work before a shift begins and after it ends:

RECOGNIZED HOLIDAYS

Holidays. Double the applicable straight-time rate shall be paid for all work (including repair, maintenance and field survey work) performed on Sundays and the following holidays: New Year's Day (January 1); Memorial Day (last Monday in May); Independence Day (July 4); Labor Day (1st Monday in September); Nevada Admission Day (last Friday in October); Thanksgiving Day (4th Thursday in November); the day after Thanksgiving Day; and Christmas Day (December 25). Holidays falling on Sunday shall be observed on the following Monday. Holiday hours shall be reckoned on the same basis as Sunday hours.

Saturday Shift Period. On any shift, Saturday shall be the twenty-four-hour period commencing at 12:00 midnight Friday.

Sunday Shift Period. On any shift, Sunday shall be the twenty-four-hour period commencing at 12:00 midnight Saturday.

3. For hours worked in excess of 12) on any such workday, an Employee shall be paid two (2) times the regular straight-time rate of pay for each hour so worked.

Craft: Mechanical Insulator (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Mechanical Insulator-Mechanic.....	72.11
Mechanical Insulator-Foreman.....	76.11
Mechanical Insulator-General Foreman	78.11

ADD ZONE RATE

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

Zone 1	0 to 20 miles	\$11.00
Zone 2	21 to 40 miles	\$21.00
Zone 3	41 to 60 miles	\$31.00
Zone 4	Over 60 miles	\$85.00

ADD PREMIUM PAY

One and one half times the minimum hourly wage rate shall be paid for the first two (2) hours of overtime work, directly following eight (8) hours Monday through Friday, and for the first ten (10) hours worked on Saturdays. Double the minimum hourly wage rate shall be paid for all other overtime worked Monday through Friday and in excess of ten (10) hours on Saturdays.

RECOGNIZED HOLIDAYS

New Year's Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from the Int'l Assoc. of Heat and Frost Insulators and Allied Workers Local 16 and the No. CA Chapter. Western Insulation Contractors Assoc.

- 65. Lining of all mechanical room surfaces and air handling shafts.
- 66. The filling and damming of fire stops and penetrations including, but not limited to, electrical and mechanical systems.
- 67. All foam applications for the purpose of thermal, acoustical, or fire protective purposes, including RTV foams or equivalents, applied to mechanical or electrical systems.
- 68. All duct lining, and duct wrapping, done on the job site, direct application and installation of fire protection of grease ducts, exhaust systems, or any other ductwork for acoustical or thermal purposes.
- 69. The insulation of all field joints on pre-insulated underground piping, and the pouring of Gilsilite or its equivalent.
- 70. Any finish material which is contiguous to the thermal or acoustical application.
- 71. The preparation, distribution of materials on job sites, assembling, molding, spraying, pouring, mixing, hanging, adjusting, repairing, dismantling, reconditioning, maintaining, finishing, and weather proofing of hot or cold thermal or acoustical insulation with such materials as may be specified.
- 72. The application of any material, including metal and PVC jacketing, Alumaguard or equivalent, 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.
- 73. The Agreement shall cover all other work of a specialty nature.

Craft: Millwright (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Millwright Journeyman.....	71.01
Millwright Welder.....	72.01
Millwright Foreman.....	75.30
Millwright General Foreman.....	80.02

ADD ZONE RATE

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

Zone 1	0 to 15 Miles	\$0.00
Zone 2	15 to 35 Miles	\$2.50
Zone 3	Over 35 Miles	\$4.25

ADD PREMIUM PAY

First two (2) hours outside the regular constituted shift shall be at the rate of time and one-half (1½X).

Saturdays up to the first ten (10) hours shall be at the rate of time and one-half (1½X). All additional hours and Sundays and holidays shall be the rate of double time (2X). When working on Sundays and holidays, there will be one dollar and fifty cents (\$1.50) per hour additional paid to Pension Annuity. Admission Day is a recognized holiday in lieu of Veterans' Day.

RECOGNIZED HOLIDAYS

New Year's Day, Washington's Birthday (President's Day), Memorial Day, 4th of July, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving, Christmas Day.

JOB DESCRIPTION Excerpt from Southwest Regional Council of Carpenters and Affiliated Local Unions Master Labor Agreement

5006.18

The work of the millwrights, as spelled out in the Jurisdictional Claims Handbook referenced in Paragraph 5006.17 above, is as follows: The term "MILLWRIGHTS AND MACHINE ERECTORS" shall mean the, unloading, hoisting, rigging, skidding, moving, dismantling, aligning, erecting, assembling, repairing, maintaining and adjusting of all machinery and equipment installed either in buildings, factories, structures, or processing areas, either undercover, underground or elsewhere required to process material, handle, manufacture or service, be it powered or receiving power manually, by steam, gas, electric, gasoline, diesel, nuclear, solar, water, air or chemically; and in industries such as and including but not limited to the following (which are identified for the purpose of description: woodworking plants, canning industries, steel, coffee roasting plants, paper and pulp, cellophane, stone crushing, gravel and sand washing and handling, refineries, grain storage and handling, asphalt plants, sewage disposal and water plants, laundry, bakery, mixing plants, can, bottle and bag packing plants, textile mills, paint mills, breweries and milk processing plants, power plants, aluminum processing or manufacturing plants, and the amusement or entertainment field.

5006.19

Also included are installation of mechanical equipment in atomic energy plants, installation of reactors in power plants, installation of control rods and equipment in reactors, installation of mechanical equipment in rocket missile bases, launchers, launching gantry, floating bases, hydraulic escape doors and any and all component parts thereto either assembled, semi-assembled or disassembled.

5006.20

Further included is the installation of, but not limited to the following: setting of all engines, motors, generators, air compressors and fans, pumps, scales, hoppers, conveyors of all types and sizes and their supports, escalators, man lifts, moving machinery, mechanical operator and/or automatic doors, roll-up doors, mechanical stage equipment, amusement devices, mechanical pin setters and spotters in bowling alleys, refrigeration equipment and installation of all types of equipment necessary and required to process material either in manufacturing or servicing, the handling and installation of pulleys, gears, sheaves, fly wheels, air and vacuum drives, worm drives and gear drives directly or indirectly coupled to motors, belts, chains, screws, legs, boots, guards, boot tanks, all bin valves, turn heads and indicators, shafting, bearing, cable sprockets, cutting all key seats in new and old work, troughs, chippers, filters, calendars, rolls, winders, reminders, slitters, cutters and wrapping machines; blowers, forging machines, rams, hydraulic or otherwise, planing, extruder, ball, dust collectors, equipment in meat packing plants and splicing of ropes and cables.

5006.21

Additionally included are the laying out, fabrication and installation of protection equipment, including machinery guards, the making and setting of templates for machinery, fabrication of bolts, nuts, pins and drilling of holes for any equipment which the millwrights install regardless of materials; all welding and burning regardless of type; fabrication of all lines, hose or tubing used in lubricating machinery installed by millwrights; grinding, cleaning, servicing and machine work necessary for any part of any equipment installed by the millwrights; and the breaking in and trial run, of any equipment or machinery installed by the millwrights

5006.22

When requested in writing by the Millwright Union, individual Employers who are parties to this Agreement shall furnish signed letters promptly on a date mutually agreed upon by both parties, but in no case more than thirty (30) days, on the letterhead of the individual Employer stating he is employing or had employed millwrights on a specific type of work and a specific job and paid the negotiated scale of wages and fringe benefits for such work.

5006.23

The individual Employer and the Local Union will cooperate promptly in attempting to resolve jurisdictional disputes that may arise on any job or project.

Craft: OPERATING ENGINEER (Union Rate)
Prevailing wage rates include the base rate as well as all applicable fringes

SEE AMENDMENT 2

Operating Engineers	(SEE GROUP CLASSIFICATIONS)	
Group 1.....		63.11
Group 1A.....		65.82
Group 2.....		66.35
Group 3.....		66.62
Group 4.....		67.36
Group 5.....		67.66
Group 6.....		67.86
Group 7.....		68.08
Group 8.....		68.67
Group 9.....		68.99
Group 10.....		69.34
Group 10A.....		69.53
Group 11.....		69.77
Group 11A.....		71.41
Group 11B.....		72.22
Foreman.....		68.80
Add \$12.5% to base rate for "Special" Shift		

Add Operating Engineers Zone Pay
Add Premium Pay

Craft: OPERATING ENGINEER (Union Rate)
STEEL FABRICATOR & ERECTOR

Prevailing wage rates include the base rate as well as all applicable fringes

Operating Engineers	(SEE GROUP CLASSIFICATIONS)	
Group 1.....		78.36
Group 1 Truck Crane Oiler.....		72.19
Group 1 Oiler.....		70.23
Group 2.....		76.85
Group 2 Truck Crane Oiler.....		71.94
Group 2 Oiler.....		70.02
Group 3.....		75.61
Group 3 Truck Crane Oiler.....		71.72
Group 3 Oiler.....		69.80
Group 3 Hydraulic.....		71.39
Group 4.....		73.88
Group 5.....		72.78
Add \$12.5% to base rate for "Special" Shift.....		

Add Operating Engineers Zone Pay
Add Premium Pay

Craft: OPERATING ENGINEER (Union Rate)
PILEDRIVER

Prevailing wage rates include the base rate as well as all applicable fringes

Operating Engineers	(SEE GROUP CLASSIFICATIONS)
Group 1.....	77.88
Group 1 Truck Crane Oiler.....	72.37
Group 1 Oiler.....	70.45
Group 2.....	76.29
Group 2 Truck Crane Oiler.....	72.16
Group 2 Oiler.....	70.25
Group 3.....	72.03
Group 3 Truck Crane Oiler.....	74.84
Group 3 Oiler.....	71.94
Group 4.....	73.33
Group 5.....	72.22
Group 6.....	68.94
Group 7.....	70.15
Group 8.....	69.19
Add \$12.5% to base rate for "Special" Shift.....	

ADD ZONE RATE

In addition to: **OPERATING ENGINEER, STEEL FABRICATOR & ERECTOR, and 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	\$5.00
Zone 3	150 to 300 miles	\$6.00
Zone 4	300 miles over	\$7.00

ADD PREMIUM PAY

1. One and one-half (1-1/2) times the applicable straight-time rate for the day, shift, work, equipment and classification shall be paid for all work (including repair work and field survey work) performed on Saturday and before a shift begins and after it ends, except when operating equipment servicing a craft that is receiving double time on commercial building construction, in which case double time shall be paid.

2. Overtime. The following rates shall apply on Sundays and holidays and all work before a shift begins and after it ends:

RECOGNIZED HOLIDAYS

Holidays. Double the applicable straight-time rate shall be paid for all work (including repair, maintenance and field survey work) performed on Sundays and the following holidays: New Year's Day (January 1); Memorial Day (last Monday in May); Independence Day (July 4); Labor Day (1st Monday in September); Nevada Admission Day (last Friday in October); Thanksgiving Day (4th Thursday in November); the day after Thanksgiving Day; and Christmas Day (December 25). Holidays falling on Sunday shall be observed on the following Monday. Holiday hours shall be reckoned on the same basis as Sunday hours.

Saturday Shift Period. On any shift, Saturday shall be the twenty-four-hour period commencing at 12:00 midnight Friday.

Sunday Shift Period. On any shift, Sunday shall be the twenty-four-hour period commencing at 12:00 midnight Saturday.

3. For hours worked in excess of 12) on any such workday, an Employee shall be paid two (2) times the regular straight-time rate of pay for each hour so worked.

JOB DESCRIPTION, 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.

Craft: PAINTER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Brush/Roller Painter.....	47.34
Spray Painter/Paperhanger.....	49.00
Sandblaster.....	49.05
Structural Steel & Steeplejack.....	49.05
Swing Stage.....	49.34
Special Coating Application-Brush.....	49.39
Special Coating Application-Spray.....	49.39
Special Coating Application-Spray Steel.....	49.39
Foreman.....	\$1.00 above highest Journeyman

ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift unless the Union is notified when four (4) tens (10's) are instituted.
2. For any hours worked on Saturday from midnight to midnight
3. For any work performed in excess of the regular work week of forty (40) hours.

Double the regular straight time hourly rate shall be paid for all time:

1. For any hours worked on Sunday from midnight to midnight
2. For any hours worked on holidays from midnight to midnight

RECOGNIZED HOLIDAYS

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement between Painters and Allied Trades DC 16 and Independent Flooring Contractors of No Nevada

a. All painting of residences, buildings, structures, industrial plants, tanks, vats, pipes, vessels, bridges, light poles, high tension poles, traffic and parking lines on highways, parking lots, playgrounds, factories, and air line strips; all sign, pictorial, coach, car automobile, carriage, aircraft machinery, ship and railroad equipment, mural and scenic painting; spackling of all surfaces where adhesive materials are used; and all drywall pointing, taping and finishing.

b. All decorators, paperhangers, hard wood finishers, grainers, glaziers, varnishers, enamellers

1. Paperhangers work shall be all material of whatever kind or quality applied to walls or ceilings with paste or adhesive; all tacking on the muslin or other materials which is used as wall or ceiling coverings or covered with material pasted on.

2. The scraping off of old paper, preparing of walls, etc., for paper hangers work.

3. The application of relief, stucco, plaster or decorative work shall not be considered paperhanger's work exclusively.

(c) All men engaged in applying or removing paints, pigments, extenders, metal primers and metal pigments, clear pigments, binders, thinners and dryers, primers and sealers, oil paints and enamels,

water colors and emulsions, clear coatings, waxes, stains, mastics, cement enamels and other special coatings, plastics, adhesives, coatings and sheet rubber and other linings, oils, varnishes, water colors, wall paper, wall coverings or other materials used in the various branches of the trade, and the cleaning and bleaching of all interior and exterior walls and surfaces with liquid, steam, sandblast or any other process and all work incidental thereto.

Craft: PILEDRIIVER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Piledriver-Journeyman.....	55.41
Piledriver-Welder.....	56.41
Piledriver-Foreman.....	58.87
Piledriver-General Foreman.....	62.68
Tender.....	58.87
Stand-By Diver.....	59.87
Diver-Diving (Wet Pay).....	98.96

ADD ZONE RATE

In addition to PILEDRIIVER rates add the applicable amounts per hour, calculated from 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	Over 300 miles	\$6.00

ADD PREMIUM PAY

First two (2) hours outside the regular constituted shift shall be at the rate of time and one-half (1½X).

Saturdays up to the first ten (10) hours shall be at the rate of time and one-half (1½X). All additional hours and Sundays and holidays shall be the rate of double time (2X). When working on Sundays and holidays, there will be one dollar and fifty cents (\$1.50) per hour additional paid to Pension Annuity.

RECOGNIZED HOLIDAYS

New Year's Day, Memorial Day, 4th of July, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving, Christmas Day.

JOB DESCRIPTION

In addition, the operation of the power pack and vibratory hammer controls when driving or pulling, sheet pile, pile, soldier beams, cassinos or casing.

(1) In the construction of waterfront and marine facilities, such as docks, piers, wharves, bulkheads, jetties, and similar structures, the pile driver classification should continue to apply, up to and including the decking thereof.

(2) On all pile driving and caisson work on both land and water, the Pile Driver classification should apply.

(3) In the construction of wooden bridges whether over land or over water, when composed of heavy timber, the Pile Driver classification should apply.

(4) In the construction of concrete or steel bridges over land, the Pile Driver classification shall apply to the driving of piles and/or caisson work including the forms required for the capping of the piles or caissons immediately top of the piles or caissons. The capping of the piles is herein interpreted as being that concrete, wood, or other material resting on the top of the piles where driven or placed and does not include any further form work above the capping. In many instances it has been found that the capping is called the girder. The above shall apply on such concrete or steel bridges constructed over land, highways, railroads, overpasses and include cloverleafs, interchanges, etc.

(5) In the construction of concrete or steel bridges over water, the Pile Driver classification shall apply up to and including all of the form work to the top of the column, piers, or abutments supporting the steel and/or any other superstructures.

(6) In the erection of false work, when necessary for the support of work under the Pile Driver classification, then such false work shall fall within their classification. False work necessary for the support of work under the Carpenter classification shall be done within such Carpenter classification, with the exception that where pile driving or power equipment is used for heavy timber false work, then such work shall come under the Pile Driver classification. This would include all rigging, signaling and tagging incidental to the placing of the heavy timber.

(7) In the construction of open-cut sewers, the Pile Driver classification shall apply on all piling including wood, steel or concrete sheet piling, all bracing timber and form work incidental to the construction thereof.

Craft: PLASTERER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Plasterer-Journeyman.....	48.82
Plasterer-Foreman.....	52.13

ADD ZONE RATE

In addition to PLASTERER rates add the applicable amounts per hour, calculated from the South Virginia and Mill Street, Reno, Nevada:

Zone 1	0 to 70 miles	\$0.00
Zone 2	70 miles and over	\$8.00

ADD PREMIUM PAY

OVERTIME Eight (8) consecutive hours (exclusive of a meal period) shall constitute a day's work at straight time. Five (5) consecutive days of eight (8) consecutive hours (exclusive of a meal period), Monday through Friday, shall constitute a week's work. One and one half (1 ½) the regular straight time hourly rate shall be paid for all work over eight (8) hours. Sunday will be paid at double the regular straight time rate.

RECOGNIZED HOLIDAYS

All work performed on the following holidays shall be paid for at double the regular straight time rate: New Year's Day, Memorial Day, Fourth of July, Labor Day, Admissions Day, Thanksgiving Day and the Friday after Thanksgiving and also Christmas Day.

If any of the above holidays fall on Sunday, the Monday following shall be considered a holiday.

No work shall be permitted on the Fourth of July or Labor Day, regardless of compensation or donation, except in case of emergency or to protect life and property. Permission to work shall be granted by the representative of the Union or its officer.

JOB DESCRIPTION: Excerpt from Agreement No NV. Plasterers Master Labor Agreement

This includes but is not limited to:

1. All building construction, including but not limited to the construction, erection, alteration, repair, modification, demolition, addition, or improvement in whole or in part of any building structures,
2. All interior or exterior plastering construction, restoration, repair and inspection of cement, stucco, stone imitation or any patent material when ornamental molded plaster, and the setting of same. All specialty finishes such as veneer, venetian, marmoreno and grasello. All custom and specialty finishes, including but not limited to custom rock, carved plaster, brick and block veneer, stone and wood. Smooth and finish surfaces of full system E.I.F.S. including sticking and shaping of foam pieces or surfaces by adhesive or mechanical installation. All spray or toweled on fireproofing, including cementitious and intumescent products. All plaster acoustical finish systems including, but not limited to, BASWA Phon and Fellert.
3. All work processes which represent technological change, replacement, modification or substitution for the work described above. In addition, all work and use of new materials or *2020-2024 Reno Plasterers Master Labor Agreement* 4 techniques involved in plaster construction including but not limited to what is known as green or sustainable construction technology.

Craft: PLUMBER/PIPEFITTER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Plumber/Pipefitter-Journeyman.....	66.95
Plumber/Pipefitter-Foreman.....	71.48
Plumber/Pipefitter-General Foreman.....	76.01

ADD ZONE RATE

In addition to PLUMBER/PIPEFITTER rates add the applicable amounts per statute air mile radius from the Nevada freeway interchange of Interstate 80 and 580.

Zone 1	0 to 75	\$0.00
Zone 2	Over 75 miles	\$8.00

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

Zone 1	0 to 75	\$0.00
Zone 2	Over 75 miles	\$8.00

ADD PREMIUM PAY

Premium pay for hours worked in excess of a shift of 8 hours or 12 hours or such other time increment set forth in the Collective Bargaining Agreement or on a weekend or holiday.

RECOGNIZED HOLIDAYS

New Year's Day, Memorial Day, Fourth of July, Labor Day, Nevada Admission Day, Thanksgiving Day, the Friday after Thanksgiving Day, Day Before Christmas and Christmas Day and any Friday preceding a Holiday falling on a Saturday, if worked, holidays shall be compensated at the double time rate.

JOB DESCRIPTION Excerpt from Agreement between LU 350 of United Assoc. of Journeymen and Apprentices of the Plumbing and Pipefitting Industry of United States and Canada

Installation of all heating and refrigeration systems and competent parts thereof, including fabrication, assembling, erection installation, dismantling, repairing, reconditioning, adjusting, altering servicing, handling, distributing, and tying on all piping materials appurtenances and equipment by method, including all hangars and supports of every description, all other work including the the trade relevant to oil burner and all other types of heating and refrigeration equipment including low voltage controls.

Craft: REFRIGERATION MECHANIC (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Refrigeration-Journeyman.....	59.34
Refrigeration -Foreman.....	62.81
Refrigeration -General Foreman	66.27

ADD PREMIUM PAY

Premium pay for hours worked in excess of a shift of 8 hours or 12 hours or such other time increment set forth in the Collective Bargaining Agreement or on a weekend or holiday.

RECOGNIZED HOLIDAYS

New Year's Day, Memorial Day, Fourth of July, Labor Day, Nevada Admission Day, Thanksgiving Day, the Friday after Thanksgiving Day, Day Before Christmas and Christmas Day and any Friday preceding a Holiday falling on a Saturday, if worked, holidays shall be compensated at the double time rate.

JOB DESCRIPTION Excerpt from Agreement between LU 350 of United Assoc. of Journeymen and Apprentices of the Plumbing and Pipefitting Industry of United States and Canada

Installation of all heating and refrigeration systems and competent parts thereof, including fabrication, assembling, erection installation, dismantling, repairing, reconditioning, adjusting, altering servicing, handling, distributing, and tying on all piping materials appurtenances and equipment by method, including all hangars and supports of every description, all other work including the trade relevant to oil burner and all other types of heating and refrigeration equipment including low voltage controls.

Craft: ROOFER (Non-Union Rate)
(Does not include sheet metal roofs)

Prevailing wage rates include the base rate as well as all applicable fringes

Rofer-Journeyman.....33.64

ROOFER

Includes but is not limited to:

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;
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;

Craft: SHEET METAL WORKERS (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Sheet Metal Worker Journeyman.....	71.50
Sheet Metal Worker -Foreman.....	75.71
Sheet Metal Worker -General Foreman.....	79.93

ADD ZONE RATE

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

Zone 1	0 to 75 miles	\$0.00
Zone 2	75 to 100 miles	\$5.00
Zone 3	Over 100 miles	\$10.00 the employee shall be provided reasonable lodging and meal expenses.

ADD PREMIUM PAY

All hourly rates are subject to Over Time (One and one half 1 ½) of the Regular rate:

1. For all hours worked over Eight (8) Hours in one day or shift.
2. For the first Eight (8) Hours work on Saturday.

All hourly rates are subject to Double Time of the Regular Rate:

1. For all hours worked over Ten (10) Hours in one day or shift.
2. For all hours worked over Eight (8) Hours on Saturday.
3. For all hours worked on Sunday, New Year’s Day, President’s Day, Memorial Day, Independence Day, Labor Day, Nevada Day, Thanksgiving Day, Day after Thanksgiving, Day before Christmas, and Christmas Day.

RECOGNIZED HOLIDAYS

New Year’s Day, President’s Day, Memorial Day, Independence Day, Labor Day, Nevada Day, Thanksgiving Day, Day after Thanksgiving, Day before Christmas, and Christmas Day

JOB DESCRIPTION: Excerpt from Sheet Metal Local 26 Collective Bargaining Agreement

(a) manufacture, fabrication, assembling, handling, erection, installation, dismantling, conditioning, adjustment, alteration, repairing and servicing of all ferrous or nonferrous metal work and all other materials used in lieu thereof and of all HVAC systems, air veyor systems, exhaust systems, and air-handling systems regardless of material used including the setting of all equipment and all reinforcements in connection therewith; (b) all lagging over insulation and all duct lining; (c) testing and balancing of all air-handling equipment and duct work; (d) the preparation of all shop and field sketches whether manually drawn or computer assisted used in fabrication and erection, including those taken from original architectural and engineering drawings or sketches; (e) metal roofing; and (f) all other work included in the jurisdictional claims of International Association of Sheet Metal, Air, Rail and Transportation Workers.

Craft: SPRINKLER FITTER (Non-Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Sprinkler Fitter-Journeyman.....27.08

JOB DESCRIPTION

Installing, dismantling, maintenance, repairs, adjustments and corrections of all fire protection and fire control systems Including the unloading, handling by hand, power equipment and installation of all piping or tubing, appurtenances and equipment pertaining thereto, including both overhead and underground water mains, fire hydrants and hydrant mains, standpipes, and hose connections to sprinkler systems, sprinkler tank heaters, air lines and thermal systems used in connection with sprinkler and alarms systems, also all tanks and pumps connected thereto. Also including shall be CO2 and Cardox Systems, Dry Chemical Systems, Foam Systems and all other fire protection systems, but excluding steam fire protection systems.

Craft: SOILS and MATERIAL TESTER (Non-Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Soil Tester (Certified).....44.17
Soils and Materials Tester.....44.17

Craft: SURVEYOR (Non-Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Surveyor.....38.81

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.

Craft: TAPER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Taper-Journeyman.....	53.86
Taper-Foreman.....	57.75

ADD ZONE RATE

In addition to: TAPER rates add the applicable amounts per hour Zone Pay shall commence from Maryland Parkway and Charleston Boulevard and shall be paid as follows:

Zone 1	0 to 40 miles	\$0.00
Zone 2	40 to 60 miles	\$2.50
Zone 3	over 60 miles	\$4.25

RECOGNIZED HOLIDAYS

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

ADD PREMIUM PAY

All overtime, except Sundays and holidays, will be time and one-half (1 1/2). Sundays and holidays will be paid double time (2X). Any and all work performed in excess of the regular workday of eight (8) hours, or ten (10) hours if mutually agreed to, and the regular workweek of forty (40) hours shall be considered overtime and shall be paid for at one and one-half (1 1/2) times the regular hourly rate.

JOB DESCRIPTION: Excerpt from Agreement between DC 16 and the independent Drywall Contractors of Northern Nevada

SECTION 1 -- The scope of work covered by this Agreement shall include (but not be limited to) all work operations, including distribution to the point of application, as follows:

- (a) Work or services pertaining to the preparation, spotting, pointing, detailing, flushing, sanding and finishing of interior and/or exterior gypsum, drywall, thin wall, concrete, steel, wood and plaster surfaces, spackling of all surfaces where adhesive materials are used; and all drywall pointing, taping and finishing.
- (b) Work or services pertaining to the application of all finish or flushing materials regardless of method of application or type of surface on which materials are applied, including but not limited to texture and simulated acoustic materials of all types and the application of radiant heat fill and steel fireproofing materials.
- (c) Work or services pertaining to the installation of protective coverings and masking prior to the application of finish materials.
- (d) The operation and care of all taping tools and texturing equipment used in the finishing and texturing of drywall and other surfaces including brushes, rollers, spray texturing equipment, miscellaneous hand, mechanical, and power tools, and the operation and maintenance of compressors required in the finishing and texturing of such surfaces.
- (e) No limitation shall be placed on the work covered by this Agreement by reason of the surface, type of material or purpose for which the materials used are designed or intended.
- (f) The cleanup of all materials and debris occasioned by any job operation at the site of construction, alteration, or repair undertaken whether such operation occurs on the interior or exterior of a building structure.

Craft: TILE SETTER/TERRAZZO WORKER/MARBLE MASON FINISHER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Tile Setter/Terrazzo Worker/Marble Mason- Finisher.....	37.82
Tile Setter/Terrazzo Worker/Marble Mason- Finisher Foreman.....	39.07
Tile Setter/Terrazzo Worker/Marble Mason Finisher- General Foremen.....	40.82

ADD PREMIUM PAY

All work in excess of forty (40) hours during the established work week shall be paid at the rate of one and one-half (1-1/2) times the hourly base wage rate in effect.

Employees shall be paid one and one-half (1-1/2) times the hourly wage rate for all hours worked over eight (8) in a single day and double time after ten (10) hours in a single day, Monday through Friday, except recognized holidays.

Daily Overtime Saturdays the first ten (10) hours performed on Saturday shall be paid at one and one-half (1-1/2) times the straight time wage rate.

Daily Overtime Sunday- Employees shall be paid double time on Sundays if forty (40) straight time hours have been worked during the proceeding work week.

Holidays shall be paid double time for hours owed on recognized holidays.

RECOGNIZED HOLIDAYS

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day. Any holiday falling on a Sunday will be observed on Monday.

JOB DESCRIPTION: Excerpt from Agreement between BAC 13 Nevada of the Mountain West Administrative District Council Master Labor Agreement

FINISHER'S WORK:

Finisher's work shall consist of assisting, helping or supporting the tile, marble and terrazzo mechanic by performing their historic and traditional work assignments. required to complete the proper installation of the work covered by Sections 5, 7 and 8 of this Code.

Craft: TILE SETTER/TERRAZZO WORKER/MARBLE MASON (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Tile Setter Journeyman.....	47.87
Tile Setter Foreman.....	49.12
Tile Setter General Foreman.....	50.87
Terrazzo/Marble Mason-Journeyman	49.37
Terrazzo/Marble Mason-Foreman	50.62
Terrazzo/Marble Mason-General Foreman.....	52.37

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 to 50 miles	\$0.00
Zone 2	50 to 75 miles	\$3.75
Zone 3	Over 70 miles	\$8.13

ADD PREMIUM PAY

All work in excess of forty (40) hours during the established work week shall be paid at the rate of one and one-half (1-1/2) times the hourly base wage rate in effect.

Employees shall be paid one and one-half (1-1/2) times the hourly wage rate for all hours worked over eight (8) in a single day and double time after ten (10) hours in a single day, Monday through Friday, except recognized holidays.

Daily Overtime Saturdays the first ten (10) hours performed on Saturday shall be paid at one and one-half (1-1/2) times the straight time wage rate.

Daily Overtime Sunday- Employees shall be paid double time on Sundays if forty (40) straight time hours have been worked during the proceeding work week.

Holidays shall be paid double time for hours owed on recognized holidays.

RECOGNIZED HOLIDAYS

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day. Any holiday falling on a Sunday will be observed on Monday.

JOB DESCRIPTION: Excerpt from Agreement between BAC 13 Nevada of the Mountain West Administrative District Council Master Labor Agreement

TILE LAYERS' WORK:

Tile laying shall consist of, but not be limited to, the following work procedures and installation of the following materials:

A. The laying, cutting or setting of all tile where used for floors, walls, ceilings, walks, promenade roofs, stair treads, stair risers, facings, hearths, fireplaces, and decorative inserts, together with any marble plinths, thresholds or window stools used in connection with any tile work; also, preparing and setting all concrete, cement, brickwork, or other foundation or materials that may be required to properly set and complete such work; setting or bedding all tiling, stone, marble, composition, glass, mosaic, or other materials forming the facing, hearth or fireplace of a mantel, or the mantel complete, together with setting of all cement, brickwork, or other materials required in connection with the above work; also the slabbing and fabrication of tile mantels, counters and tile panels of every description, and the erection and installation of same; the building, shaping, forming, construction or repairing of all fireplace work, whether in connection with a mantel hearth facing or not, and the setting and preparing of all material, such as cement, plaster, mortar, brickwork, iron work or other materials necessary for the proper and safe construction and completion of such work, except that a mantel made exclusively of brick, marble or stone, shall be conceded to be bricklayers', marble setters' or stonemasons' work, respectively.

B. It will be understood that the word "tile" refers to all burned clay products, as used in the tile industry, either glazed or unglazed, and to all composition materials made in single units up to 15"x20"x2", except quarry tiles larger than 9"x9"x1 1/4", also to mixtures in tile form of cement, plastics and metals that are made for and intended for use as a finished floor surface, whether upon interior or exterior floors, stair treads, promenade roofs, garden walks, interior walls, ceilings, swimming pools, and all places where tile may be used to form a finished surface for practical use, sanitary finish or decorative purposes, for setting all accessories in connection therewith, or for decorative inserts in other materials.

C. All terra cotta called unit tile in sizes of 6"x12" or under, regardless of method of installation, quarry tile 9"x9"x1 1/4" or less; split brick or quarry tile or similar material where the bed is floated or screeded and the joints grouted. Where the work is installed by tile layers, the grouting and cleaning shall be supervised by the mechanic. The bedding, jointing, and pointing of the above materials shall be the work of the craft installing the same. All clay products known as terra cotta tile, unit tile, ceramic veneer and machine-made terra cotta, and like materials in sizes 6"x12" and less regardless of the method of installation. Where the preponderance of materials to be installed comes within the provisions of this Section and when there is also some material in excess of the sizes provided for in this Section, the tile setter shall install all such materials.

D. The preparation, setup, calibration, operation, cleaning, and routine maintenance of any mechanical devices or robotics used to install tile and related materials, or that otherwise assist the tile layer in performing any of the work described in Article II and Code 1 of the IU Constitution, as well as the preparation and ongoing maintenance of the work area to allow proper installation of tile and related materials.

Craft: TRAFFIC BARRIER ERECTOR (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Traffic Barrier Erector.....45.53

ADD ZONE RATE

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

ADD PREMIUM PAY

One and one half (1 ½) the regular straight time hourly rate shall be paid:

1. For all hours worked over eight (8) hours in one day or shift.
2. For any hours worked on Saturday from mid night to midnight.

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over twelve (12) hours in one day or shift.
2. For any hours worked on Sunday from midnight to midnight.
3. For any hours worked on holidays from midnight to midnight.

RECOGNIZED HOLIDAYS

If any of these holidays fall on Sunday, the Monday following shall be considered a Holiday.

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

JOB DESCRIPTION: Excerpt from Agreement between AGC and LIUNA Local 169

1. Distributing traffic control signs and markers along site in designated pattern;
2. Informing drivers of detour routes through construction sites;

Craft: Truck Driver (Non-Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Dump Trucks (Single or Multiple Units Including Semi's & Double Transfer Units), Dumpcretes and Bulk Cement Spreader

Under 4 yds. (water level).....	28.72
4 yds. & under 8 yds. (water level).....	28.72
8 yds. & under 18 yds. (water level).....	28.72
18 yds. & under 25 yds. (water level)	28.72
25 yds. & under 60 yds. (water level).....	28.72
60 yds. & under 75 yds. (water level)).....	28.72
75 yds. & under 100 yds. (water level)).....	28.72
100 yds. & under 150 yds. (water level)).....	28.72
150 yds. & under 250 yds. (water level)).....	28.72
250 yds. & under 350 yds. (water level)).....	28.72
350 yds. & over (water level).....	28.72

Transit Mix

Under 8 yds.....	28.72
Under 8 yds & including 12 yds.....	28.72
Over 12 yds.....	28.72

Transit Mix (Using Boom)

Transit mix with boom shall receive 16 cents per hour above the appropriate yardage classification rate of pay when such boom is used.....	28.72
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Water & Jetting Trucks

Up to 2,500 gallons.....	28.72
Up to 2,500 gallons & over.....	28.72
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")	
Heavy Duty Transport (High Bed).....	28.72
Heavy Duty Transport(Gooseneck low bed).....	28.72
Tiltbed or Flatbed Pull Trailers..	28.72
Bootman, Comb. Bootman & Road Oiler.....	28.72
Flat Rack (2 or 3 axle unit).....	28.72

Bus & Manhaul Drivers

Up to 18,000 lbs. (single unit).....	28.72
18,000 lbs. and over	28.72
Warehousemen Spotter	28.72

Winch Truck & "A" Frame Drivers

Up to 18,000 lbs.	28.72
18,000 lbs. and over.....	28.72
Warehousemen Spotter.....	28.72
Warehouse Clerk.....	28.72
Tire Repairmen.....	28.72
Truck Repairmen.....	28.72
Pick Up Truck & Pilot Cars (Jobsite)	28.72
Pick Up Truck & Pilot Cars (Over the road)	28.72
Truck Oil Greaser.....	28.72
Fuel Truck Driver.....	28.72
Fuel Man & Fuel Island Man.....	28.72
Oil Tanker.....	28.72

Oil Tanker with Pup.....	28.72
Foreman.....	28.72

TRUCK DRIVER

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.)

Craft: WELL DRILLER (Non-Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Well Driller.....31.29

JOB DESCRIPTIONS

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.

GROUP CLASSIFICATIONS

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
- Guideposts and Highway Signs
- Guardrail Erection and Dismantling
- Limber, Brushloader and Piler
- Pavement Marking and Highway Striping
- Traffic Barrier Erector
- Tending to portable space heaters
- Profilograph work all types manual, self propelled or carts
- Gabion basket, building, handling, installation and rigging
- Dry set paver work
- Traffic Barrier Erector

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 included but not limited to: concrete forms stripping, handling, cleaning, oiling and moving to the next point of installation.
- 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)
- Waterproofing work
- Epoxy rebar/dowels and anchoring dowel baskets
- Placement pouring of concrete including any epoxy resin or similar materials, rodding, spreading and tamping concrete, brooming or brushing, hand application of curing compounds, applying topping (wet or dry) colors or grits, and exposed finishes for architectural work
- Concrete patching, dry packing, chipping, stoning, and grouting
- Concrete cold weather/rain protection and curing
- Placement /anchoring of all earth stabilization/filters fabrics,
- Mechanically stabilized Earth (MSE) and Keystone type retaining walls rigging, placing , aligning, backfilling and installation of dead men and any stabilization compenents

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
- Fence erector including safety, chain link, turtle, field and barbe wire fencing
- 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 water blasting not covered in group 5A
- Vibra-screed
- All demolition and wrecking work including but not limited t any torch work cutting, burning, plasma are, dust control, and salvaging (removing and salvaging of all materials, windows, doors, plumbing, and electrical fixtures) and use of customary tools and equipment for demolition and wrecking
- All underpinning foundation work, digging and underpinning pits, removal of debris with tuggers or other methods, cutting, handling and installing all shoring boards and lagging boards used for underpinning and foundation work, placement and tying of steel reinforcing for underpinning piers, all tiebacks and soil nail work drilling and grouting, all soldier beam work and us of customary tools and equipment for underpinning foundation work

Group 3A

- Concrete Specialist
- Setting screeds
- Screed pins
- Curb forms and curb and gutter forms,
- Using Darby and push floats,
- Hand trowels or hand floating
- Marking edging
- Using base cove or step tools
- Spreading and finishing gypsum
- Concrete grinding machines (the terms does not include Rotomill machines for highway overlay grinding)
- Troweling machines,
- Floating machines
- Finishing of epoxy or resin materials,
- Operation of skill saw

- Laser Screed
- Laser Level
- Curb and Slipform machines,
- Stamps or other means or texturing,
- Any new devices which are beneficial to the construction of or with concrete or related products.

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 including but not limited to laying, anchoring, pinning, cabling and stretching of any rock fall netting, mesh or wire fabric and use of customary tools and equipment for high scaling
- Concrete pump operator
- Heavy Duty Vibrator with Stinger 5" diameter or over
- Pipelayer, Caulker and Bander
- Pipelayer-waterline, Sewerline, Gasoline, Conduit and all other types of composition for any purpose buried under ground outside of building including, stringing, trench shoring, backfilling sanding, caution taping, all walk behind equipment and spotting
- Laborer work in connection with micro tunneling, directional drilling and pipe-jacking
- Cathodic protection, grounding for pipe work
- Cleaning of Utility Lines
- Slip Lining of Utility Lines (including operation of Equipment)
- TV Monitoring and Grouting of Utility Lines
- Asphalt Rakers and Asphalt dump Man
- All mechanical and pressurized pipe work, including the installation of pipe above and below ground, cathodic protection, bolt up, and support installation in connection to water conveyance, c

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 5A

- Pavement Marking and Highway Striping
- Pavement Marking and Highway Striping Foreman
- Pavement Marking and Highway Striping work includes but is not limited to: All work by any method performed in connection with the permanent or temporary application and installation of pavement marking of any kind, brand, type or style on parking lots, airfields, highways,

streets and other such surfaces and all work performed in connection with removal of pavement.

Group 6

- Guniting Foremen, Nozzlemen, Rodmen, Gunmen, Materialmen, Reboundmen
 - Tunnel and shaft workers/miners and use of customary tools and equipment for tunnel and mine work All work performed in a compressed air tunnel shaft or chamber including the use of hand, power tools or equipment as necessary in connection with compressed air work
-

OPERATING ENGINEER, includes but is not limited to:

Group 1

- Engineer Assistant

Group 1A

- Oiler (Construction)
- Partsman

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
- Rodman/Chainman
- 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 Pactor 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
- Instrument Man
- Kolman Loader
- Material Hoist (two (2) or more drums)
- 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)
- Screedman (except asphaltic or concrete paving)
- Self-Propelled Boom-Type Lifting Device (center mount) (on ten (10) ton capacity or less)
- Slusher Operator
- Soil Tester (Certified)
- Soils and Materials Tester
- 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

- Articulated on-Site Dump Trucks
- 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
- Stiff Frame Off Road Haul Trucks
- Grooving and Grinding Machine (highways)
- Ken Seal Operator
- Marination Plant
- Loader (up to and including two and one-half (2 1/2) cu. yds)
- Mechanical Finishers or Spreader Machine (asphalt, Barber-Greene or similar)
- Shuttle Buggy
- Mechanical Trench Shield
- Mixermobile
- Push Cats
- Road Oil Mixing Machine Operator Wood-Mixer (and other similar Pugmill equipment)
- Roller Operator (asphalt)
- 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)
- Water Pull
- Screedman (Barber-Greene and similar) (asphaltic or concrete paving)
- 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
- Track Loader
- 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
- Vacuum Truck(excludes trailer mounted vaccums)

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
- Chief of Party
- Derricks (two (2) Group 10 Operators required when swing engine remote from hoist)
- Derrick Barges (except excavation work)
- Euclid Loader and similar types
- Heavy Duty Repairman
- 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
- Finish Blade
- Gradesetter, Grade Checker
- 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)

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
-

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
-

STEVE SISOLAK
Governor

TERRY REYNOLDS
Director

BRETT HARRIS
Labor Commissioner

STATE OF NEVADA



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Department of Business & Industry

OFFICE OF THE LABOR COMMISSIONER

<http://www.labor.nv.gov>

2022-2023 Prevailing Wage

Amendment 2

- **AMENDMENT 2 – CLERICAL**
- **Classifications:**
 - Lubrication and Service Engineer
 - Operating Engineers
 - Operating Engineers – Steel Fabricator & Erector
 - Operating Engineers – Piledriver
- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – October 1, 2022**

The following represents the amended wage rates.

Craft: LUBRICATION AND SERVICE ENGINEER (MOBILE AND GREASE RACK)
(Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Lubrication and Service Engineer (mobile and grease rack)68.43

Add Operating Engineers Zone Pay

Add Premium Pay

2022-2023 Prevailing Wage

Amendment 2

Craft: OPERATING ENGINEER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Operating Engineers

(SEE GROUP CLASSIFICATIONS)

Group 1.....	63.41
Group 1A.....	66.17
Group 2.....	66.70
Group 3.....	66.97
Group 4.....	67.71
Group 5.....	68.01
Group 6.....	68.18
Group 7.....	68.43
Group 8.....	69.02
Group 9.....	69.34
Group 10.....	69.69
Group 10A.....	69.88
Group 11.....	70.12
Group 11A.....	71.76
Group 11B.....	72.57
Foreman.....	71.76

Add \$12.5% to base rate for "Special" Shift

Add Operating Engineers Zone Pay

Add Premium Pay

2022-2023 Prevailing Wage

Amendment 2

Craft: OPERATING ENGINEER (Union Rate)
STEEL FABRICATOR & ERECTOR

Prevailing wage rates include the base rate as well as all applicable fringes

Operating Engineers (SEE GROUP CLASSIFICATIONS)	
Group 1.....	78.17
Group 1 Truck Crane Oiler.....	72.54
Group 1 Oiler.....	70.58
Group 2.....	77.20
Group 2 Truck Crane Oiler.....	72.29
Group 2 Oiler.....	70.37
Group 3.....	75.96
Group 3 Truck Crane Oiler.....	72.07
Group 3 Oiler	70.15
Group 3 Hydraulic.....	71.74
Group 4.....	74.23
Group 5.....	73.13
Add \$12.5% to base rate for "Special" Shift.....	

2022-2023 Prevailing Wage

Amendment 2

Craft: OPERATING ENGINEER (Union Rate)
PILEDRIVER

Prevailing wage rates include the base rate as well as all applicable fringes

Operating Engineers
(SEE GROUP CLASSIFICATIONS)

Group 1.....	78.18
Group 1 Truck Crane Oiler.....	72.72
Group 1 Oiler.....	70.80
Group 2.....	76.64
Goup 2 Truck Crane Oiler.....	72.51
Group 2 Oiler.....	70.60
Group 3.....	75.19
Group 3 Truck Crane Oiler.....	72.29
Group 3 Oiler.....	70.37
Group 4.....	73.68
Group 5.....	72.57
Group 6.....	69.29
Group 7.....	70.50
Group 8.....	69.54
Add \$12.5% to base rate for "Special" Shift.....	

ADD ZONE RATE

In addition to: **OPERATING ENGINEER, STEEL FABRICATOR & ERECTOR, and 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	\$5.00
Zone 3	150 to 300 miles	\$6.00
Zone 4	300 miles over	\$7.00

ADD PREMIUM PAY

1. One and one-half (1-1/2) times the applicable straight-time rate for the day, shift, work, equipment and classification shall be paid for all work (including repair work and field survey work) performed on Saturday and before a shift begins and after it ends, except when operating equipment

servicing a craft that is receiving double time on commercial building construction, in which case double time shall be paid.

2. Overtime. The following rates shall apply on Sundays and holidays and all work before a shift begins and after it ends:

RECOGNIZED HOLIDAYS

Holidays. Double the applicable straight-time rate shall be paid for all work (including repair, maintenance and field survey work) performed on Sundays and the following holidays: New Year's Day (January 1); Memorial Day (last Monday in May); Independence Day (July 4); Labor Day (1st Monday in September); Nevada Admission Day (last Friday in October); Thanksgiving Day (4th Thursday in November); the day after Thanksgiving Day; and Christmas Day (December 25). Holidays falling on Sunday shall be observed on the following Monday. Holiday hours shall be reckoned on the same basis as Sunday hours.

Saturday Shift Period. On any shift, Saturday shall be the twenty-four-hour period commencing at 12:00 midnight Friday.

Sunday Shift Period. On any shift, Sunday shall be the twenty-four-hour period commencing at 12:00 midnight Saturday.

3. For hours worked in excess of 12) on any such workday, an Employee shall be paid two (2) times the regular straight-time rate of pay for each hour so worked.

JOB DESCRIPTION, 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.

STEVE SISOLAK
Governor

TERRY REYNOLDS
Director

BRETT HARRIS
Labor Commissioner

STATE OF NEVADA



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2022-2023 Prevailing Wage

Amendment 2A

- **AMENDMENT 2A – CLERICAL**
- **Classification – Operating Engineer – Steel Fabricator & Erector Group 1**
- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – October 1, 2022**

The following represents the amended wage rates.

Craft: OPERATING ENGINEER (Union Rate) STEEL FABRICATOR & ERECTOR

Group 1.....78.71

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2022-2023 Prevailing Wage

Amendment 3

- **AMENDMENT 3**
- **Classifications:**

Laborer Group 3A Wage Rate

Zone Rates for Washoe County and Northern Nevada Rural Regions

- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – October 10, 2022**

The following represents the amended wage rate.

Craft: LABORER (Union Rate)

Group 3A.....49.21

ADD ZONE RATE

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	\$5.00
Zone 3	150 to 300 miles	\$6.00
Zone 4	300 miles or over	\$7.00

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2022-2023 Prevailing Wage

Amendment 3A

- **AMENDMENT 3A**
- **Classifications –**
 - Fence Erector Group 3A Zone Rate**
 - Flag Person Group 3A Zone Rate**
 - Highway Striper Group 3A Zone Rate**
 - Traffic Barrier Erector Group 3A Zone Rate**
- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – October 10, 2022**

ADD ZONE RATE

In addition to FENCE ERECTOR, FLAG PERSON, HIGHWAY STRIPER, TRAFFIC BARRIER ERECTOR 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	\$5.00
Zone 3	150 to 300 miles	\$6.00
Zone 4	300 miles or over	\$7.00

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2022-2023 Prevailing Wage

Amendment 5

- **AMENDMENT 5**
- **Classifications – Plasterer**
- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – December 8, 2022**

Prevailing wage rates include the base rate as well as all applicable fringes

Plasterer-Journeyman.....	50.82
Plasterer-Foreman.....	54.32

ADD ZONE RATE

In addition to PLASTERER rates add the applicable amounts per hour, calculated from the South Virginia and Mill Street, Reno, Nevada:

Zone 1	0 to 70 miles	\$0.00
Zone 2	70 miles and over	\$8.00

ADD PREMIUM PAY

OVERTIME Eight (8) consecutive hours (exclusive of a meal period) shall constitute a day's work at straight time. Five (5) consecutive days of eight (8) consecutive hours (exclusive of a meal period), Monday through Friday, shall constitute a week's work. One and one half (1 ½) the regular straight time hourly rate shall be paid for all work over eight (8) hours. Sunday will be paid at double the regular straight time rate.

RECOGNIZED HOLIDAYS

All work performed on the following holidays shall be paid for at double the regular straight time rate: New Year's Day, Memorial Day, Fourth of July, Labor Day, Admissions Day, Thanksgiving Day and the Friday after Thanksgiving and also Christmas Day. If any of the above holidays fall on Sunday, the Monday following shall be considered a holiday.

No work shall be permitted on the Fourth of July or Labor Day, regardless of compensation or donation, except in case of emergency or to protect life and property. Permission to work shall be granted by the representative of the Union or its officer.

JOB DESCRIPTION: Excerpt from Agreement No NV. Plasterers Master Labor Agreement

This includes but is not limited to:

1. All building construction, including but not limited to the construction, erection, alteration, repair, modification, demolition, addition, or improvement in whole or in part of any building structures,
2. All interior or exterior plastering construction, restoration, repair and inspection of cement, stucco, stone imitation or any patent material when ornamental molded plaster, and the setting of same. All specialty finishes such as veneer, venetian, marmoreno and grasello. All custom and specialty finishes, including but not limited to custom rock, carved plaster, brick and block veneer, stone and wood. Smooth and finish surfaces of full system E.I.F.S. including sticking and shaping of foam pieces or surfaces by adhesive or mechanical installation. All spray or troweled on fireproofing, including cementitious and intumescent products. All plaster acoustical finish systems including, but not limited to, BASWA Phon and Fellert.
3. All work processes which represent technological change, replacement, modification or substitution for the work described above. In addition, all work and use of new materials or *2020-2024 Reno Plasterers Master Labor Agreement* 4 techniques involved in plaster construction including but not limited to what is known as green or sustainable construction technology.

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2022-2023 Prevailing Wage

Amendment 8

- **AMENDMENT 8**
- **Classifications – Ironworkers Wage**
- **County – All Regions**
- **Effective – January 1, 2023**

Prevailing wage rates include the base rate as well as all applicable fringes

Ironworker-Journeyman.....	81.01
Ironworker -Foreman.....	85.63
Ironworker-General Foreman.....	90.71

ADD ZONE RATE

In addition to Iron Worker rates add the applicable amounts per day, calculated based on a road mile from the Reno or Las Vegas City Hall.

Zone 1	60 – 75 miles	\$20.00
Zone 2	75 - 100 miles	\$25.00
Zone 3	100 miles and over	\$75.00

ADD PREMIUM PAY

One and one half (1X) the regular straight time hourly rate shall be paid:

1. For the first two (2) hours worked in excess of eight (8) on a regular workday
Monday-Friday
2. For the first eight (8) hours on Saturday

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over ten (10) hours in one day or shift.
2. For any hours worked on Sunday.
3. For all hours worked over eight (8) on Saturday
4. For all hours worked on Holidays

Shift Pay

1. 2nd shift add 6% of hourly wage
2. 3rd shift add 13% of hourly wage
3. Dedicated shift add 6% of hourly wage

RECOGNIZED HOLIDAYS

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

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2022-2023 Prevailing Wage

Amendment 2

- **AMENDMENT 2 – CLERICAL**
- **Classifications:**
 - Lubrication and Service Engineer
 - Operating Engineers
 - Operating Engineers – Steel Fabricator & Erector
 - Operating Engineers – Piledriver
- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – October 1, 2022**

The following represents the amended wage rates.

Craft: LUBRICATION AND SERVICE ENGINEER (MOBILE AND GREASE RACK)
(Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Lubrication and Service Engineer (mobile and grease rack)68.43

Add Operating Engineers Zone Pay

Add Premium Pay

2022-2023 Prevailing Wage

Amendment 2

Craft: OPERATING ENGINEER (Union Rate)

Prevailing wage rates include the base rate as well as all applicable fringes

Operating Engineers

(SEE GROUP CLASSIFICATIONS)

Group 1.....	63.41
Group 1A.....	66.17
Group 2.....	66.70
Group 3.....	66.97
Group 4.....	67.71
Group 5.....	68.01
Group 6.....	68.18
Group 7.....	68.43
Group 8.....	69.02
Group 9.....	69.34
Group 10.....	69.69
Group 10A.....	69.88
Group 11.....	70.12
Group 11A.....	71.76
Group 11B.....	72.57
Foreman.....	71.76

Add \$12.5% to base rate for "Special" Shift

Add Operating Engineers Zone Pay

Add Premium Pay

2022-2023 Prevailing Wage

Amendment 2

Craft: OPERATING ENGINEER (Union Rate)
STEEL FABRICATOR & ERECTOR

Prevailing wage rates include the base rate as well as all applicable fringes

Operating Engineers (SEE GROUP CLASSIFICATIONS)	
Group 1.....	78.17
Group 1 Truck Crane Oiler.....	72.54
Group 1 Oiler.....	70.58
Group 2.....	77.20
Group 2 Truck Crane Oiler.....	72.29
Group 2 Oiler.....	70.37
Group 3.....	75.96
Group 3 Truck Crane Oiler.....	72.07
Group 3 Oiler	70.15
Group 3 Hydraulic.....	71.74
Group 4.....	74.23
Group 5.....	73.13
Add \$12.5% to base rate for "Special" Shift.....	

2022-2023 Prevailing Wage

Amendment 2

Craft: OPERATING ENGINEER (Union Rate)
PILEDRIVER

Prevailing wage rates include the base rate as well as all applicable fringes

Operating Engineers
(SEE GROUP CLASSIFICATIONS)

Group 1.....	78.18
Group 1 Truck Crane Oiler.....	72.72
Group 1 Oiler.....	70.80
Group 2.....	76.64
Goup 2 Truck Crane Oiler.....	72.51
Group 2 Oiler.....	70.60
Group 3.....	75.19
Group 3 Truck Crane Oiler.....	72.29
Group 3 Oiler.....	70.37
Group 4.....	73.68
Group 5.....	72.57
Group 6.....	69.29
Group 7.....	70.50
Group 8.....	69.54
Add \$12.5% to base rate for "Special" Shift.....	

ADD ZONE RATE

In addition to: **OPERATING ENGINEER, STEEL FABRICATOR & ERECTOR, and OPERATING ENGINEER PILED RIVER**, 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	\$5.00
Zone 3	150 to 300 miles	\$6.00
Zone 4	300 miles over	\$7.00

ADD PREMIUM PAY

1. One and one-half (1-1/2) times the applicable straight-time rate for the day, shift, work, equipment and classification shall be paid for all work (including repair work and field survey work) performed on Saturday and before a shift begins and after it ends, except when operating equipment

servicing a craft that is receiving double time on commercial building construction, in which case double time shall be paid.

2. Overtime. The following rates shall apply on Sundays and holidays and all work before a shift begins and after it ends:

RECOGNIZED HOLIDAYS

Holidays. Double the applicable straight-time rate shall be paid for all work (including repair, maintenance and field survey work) performed on Sundays and the following holidays: New Year's Day (January 1); Memorial Day (last Monday in May); Independence Day (July 4); Labor Day (1st Monday in September); Nevada Admission Day (last Friday in October); Thanksgiving Day (4th Thursday in November); the day after Thanksgiving Day; and Christmas Day (December 25). Holidays falling on Sunday shall be observed on the following Monday. Holiday hours shall be reckoned on the same basis as Sunday hours.

Saturday Shift Period. On any shift, Saturday shall be the twenty-four-hour period commencing at 12:00 midnight Friday.

Sunday Shift Period. On any shift, Sunday shall be the twenty-four-hour period commencing at 12:00 midnight Saturday.

3. For hours worked in excess of 12) on any such workday, an Employee shall be paid two (2) times the regular straight-time rate of pay for each hour so worked.

JOB DESCRIPTION, 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.

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2022-2023 Prevailing Wage

Amendment 2A

- **AMENDMENT 2A – CLERICAL**
- **Classification – Operating Engineer – Steel Fabricator & Erector Group 1**
- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – October 1, 2022**

The following represents the amended wage rates.

Craft: OPERATING ENGINEER (Union Rate) STEEL FABRICATOR & ERECTOR

Group 1.....78.71

STEVE SISOLAK
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2022-2023 Prevailing Wage

Amendment 3

- **AMENDMENT 3**
- **Classifications:**

Laborer Group 3A Wage Rate

Zone Rates for Washoe County and Northern Nevada Rural Regions

- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – October 10, 2022**

The following represents the amended wage rate.

Craft: LABORER (Union Rate)

Group 3A.....49.21

ADD ZONE RATE

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	\$5.00
Zone 3	150 to 300 miles	\$6.00
Zone 4	300 miles or over	\$7.00

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2022-2023 Prevailing Wage

Amendment 3A

- **AMENDMENT 3A**
- **Classifications –**
 - Fence Erector Group 3A Zone Rate**
 - Flag Person Group 3A Zone Rate**
 - Highway Striper Group 3A Zone Rate**
 - Traffic Barrier Erector Group 3A Zone Rate**
- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – October 10, 2022**

ADD ZONE RATE

In addition to FENCE ERECTOR, FLAG PERSON, HIGHWAY STRIPER, TRAFFIC BARRIER ERECTOR 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	\$5.00
Zone 3	150 to 300 miles	\$6.00
Zone 4	300 miles or over	\$7.00

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2022-2023 Prevailing Wage

Amendment 5

- **AMENDMENT 5**
- **Classifications – Plasterer**
- **County – Washoe County Region and Northern Nevada Rural Region**
- **Effective – December 8, 2022**

Prevailing wage rates include the base rate as well as all applicable fringes

Plasterer-Journeyman.....	50.82
Plasterer-Foreman.....	54.32

ADD ZONE RATE

In addition to PLASTERER rates add the applicable amounts per hour, calculated from the South Virginia and Mill Street, Reno, Nevada:

Zone 1	0 to 70 miles	\$0.00
Zone 2	70 miles and over	\$8.00

ADD PREMIUM PAY

OVERTIME Eight (8) consecutive hours (exclusive of a meal period) shall constitute a day's work at straight time. Five (5) consecutive days of eight (8) consecutive hours (exclusive of a meal period), Monday through Friday, shall constitute a week's work. One and one half (1 ½) the regular straight time hourly rate shall be paid for all work over eight (8) hours. Sunday will be paid at double the regular straight time rate.

RECOGNIZED HOLIDAYS

All work performed on the following holidays shall be paid for at double the regular straight time rate: New Year's Day, Memorial Day, Fourth of July, Labor Day, Admissions Day, Thanksgiving Day and the Friday after Thanksgiving and also Christmas Day. If any of the above holidays fall on Sunday, the Monday following shall be considered a holiday.

No work shall be permitted on the Fourth of July or Labor Day, regardless of compensation or donation, except in case of emergency or to protect life and property. Permission to work shall be granted by the representative of the Union or its officer.

JOB DESCRIPTION: Excerpt from Agreement No NV. Plasterers Master Labor Agreement

This includes but is not limited to:

1. All building construction, including but not limited to the construction, erection, alteration, repair, modification, demolition, addition, or improvement in whole or in part of any building structures,
2. All interior or exterior plastering construction, restoration, repair and inspection of cement, stucco, stone imitation or any patent material when ornamental molded plaster, and the setting of same. All specialty finishes such as veneer, venetian, marmoreno and grasello. All custom and specialty finishes, including but not limited to custom rock, carved plaster, brick and block veneer, stone and wood. Smooth and finish surfaces of full system E.I.F.S. including sticking and shaping of foam pieces or surfaces by adhesive or mechanical installation. All spray or troweled on fireproofing, including cementitious and intumescent products. All plaster acoustical finish systems including, but not limited to, BASWA Phon and Fellert.
3. All work processes which represent technological change, replacement, modification or substitution for the work described above. In addition, all work and use of new materials or *2020-2024 Reno Plasterers Master Labor Agreement* 4 techniques involved in plaster construction including but not limited to what is known as green or sustainable construction technology.

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2022-2023 Prevailing Wage

Amendment 8

- **AMENDMENT 8**
- **Classifications – Ironworkers Wage**
- **County – All Regions**
- **Effective – January 1, 2023**

Prevailing wage rates include the base rate as well as all applicable fringes

Ironworker-Journeyman.....	81.01
Ironworker -Foreman.....	85.63
Ironworker-General Foreman.....	90.71

ADD ZONE RATE

In addition to Iron Worker rates add the applicable amounts per day, calculated based on a road mile from the Reno or Las Vegas City Hall.

Zone 1	60 – 75 miles	\$20.00
Zone 2	75 - 100 miles	\$25.00
Zone 3	100 miles and over	\$75.00

ADD PREMIUM PAY

One and one half (1X) the regular straight time hourly rate shall be paid:

1. For the first two (2) hours worked in excess of eight (8) on a regular workday
Monday-Friday
2. For the first eight (8) hours on Saturday

Double the regular straight time hourly rate shall be paid for all time:

1. For all hours worked over ten (10) hours in one day or shift.
2. For any hours worked on Sunday.
3. For all hours worked over eight (8) on Saturday
4. For all hours worked on Holidays

Shift Pay

1. 2nd shift add 6% of hourly wage
2. 3rd shift add 13% of hourly wage
3. Dedicated shift add 6% of hourly wage

RECOGNIZED HOLIDAYS

New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Day.

Project Workforce Checklist

Contract No.: _____ Project Name: _____

Contractor/Subcontractor: _____

Craft/Trade	More than 3 Employees Anticipated?			Anticipate Needing Waiver?	
Air Balance Technician	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Alarm Installer	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Bricklayer , can also include tile setter, terrazzo workers and marble masons.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Carpenter , can also include cement masons, floor coverer, millwright and piledriver (non-equipment), plasterers and terrazzo workers.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Cement Mason (See Laborers)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Electrician , includes communication technician, line, neon sign and wireman. Can also include alarm installer.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Elevator Constructor	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Floor Coverer	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Glazier (see also Painters and Allied Trades)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Hod Carrier (See Laborers) , includes brick-mason tender and plaster tender.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Iron Worker , can also include fence erectors (steel/iron)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Laborer , can also include brick mason tender, cement mason, fence erector (non-steel/iron), flag person, highway stripier, landscaper, plastic tender, and traffic barrier erector	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Lubrication and Service Engineer	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Mechanical Insulator	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Millwright	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Operating Engineer , can also include equipment greaser, piledriver, soils and material tester, steel fabricator/erector (equipment) and surveyor (non-licensed) and well driller.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Painters and Allied Trades , can also include glaziers, floor coverers, and tapers.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Pile Driver (non-equipment)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Plasterer	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Plumber/Pipefitter	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Refrigeration	Yes	No	N/A	Yes	No
Roofer (not sheet metal)	Yes	No	N/A	Yes	No
Sheet Metal Worker , can also include air balance technician.	Yes	No	N/A	Yes	No
Soils and Materials Tester , includes certified soil tester	Yes	No	N/A	Yes	No
Sprinkler Fitter	Yes	No	N/A	Yes	No
Surveyor (non-licensed)	Yes	No	N/A	Yes	No
Taper	Yes	No	N/A	Yes	No
Tile/Terrazzo Worker/Marble Mason	Yes	No	N/A	Yes	No
Traffic Barrier Erector (See Laborers)	Yes	No	N/A	Yes	No
Truck Driver	Yes	No	N/A	Yes	No
Well Driller (see also Operating Engineer)	Yes	No	N/A	Yes	No
Other*:	Yes	No	N/A	Yes	No
	Yes	No	N/A	Yes	No
	Yes	No	N/A	Yes	No
	Yes	No	N/A	Yes	No

I affirm I am fully authorized to acknowledge, on behalf of the Contractor listed above, the anticipated workforce, and acknowledge that changes to the anticipated workforce which may have an impact on compliance with the Nevada Apprenticeship Utilization Act, 2019 will require the submittal of a revised form within ten (10) working days of such change.

Signed: _____

Name and Title: _____

Date: _____

Contractor Name: _____

APPRENTICESHIP UTILIZATION ACT – SENATE BILL 207 (2019)

The Legislature hereby finds and declares that: 1. A skilled workforce in construction is essential to the economic well-being of this State; 2. Apprenticeship programs are a proven method of training a skilled workforce in construction; and 3. Requiring the use of apprentices on the construction of public works will ensure the availability of a skilled workforce in construction in the future for this State.

Sec. 1.7. 1. Notwithstanding any other provision of this chapter and except as otherwise provided in this section, a contractor or subcontractor engaged in vertical construction who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 10 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

2. Notwithstanding any other provision of this chapter and except as otherwise provided in this section, a contractor or subcontractor engaged in horizontal construction who employs a worker on a public work pursuant to NRS 338.040 shall use one or more apprentices for at least 3 percent of the total hours of labor worked for each apprenticed craft or type of work to be performed on the public work for which more than three workers are employed.

Horizontal Construction NRS 338.010 - Subdivision 13. “Horizontal Construction” means the construction of any fixed work, including any irrigation, drainage, water supply, flood control, harbor, railroad, highway, tunnel, airport or airway, sewer, sewage disposal plant or water treatment facility and any ancillary vertical components thereof, bridge, inland waterway, pipeline for the transmission of petroleum or any other liquid or gaseous substance, pier, and work incidental thereto. The term does not include vertical construction, the construction of any terminal or other building of an airport or airway, or the construction of any other building.

Vertical Construction NRS 338.010 - Subdivision 24. “Vertical Construction” means the construction or remodeling of any building, structure or other improvement that is predominantly vertical, including, without limitation, a building, structure or improvement for the support, shelter and enclosure of persons, animals, chattels or movable property of any kind, and any improvement appurtenant thereto.

Complex or Hazardous Work - The Labor Commissioner will view complex and hazardous work to include, but not be limited to, work performed on a public work project that is traditionally not performed by Apprentices pursuant to their Apprentice Agreement, Collective Bargaining Agreement, and/or any other written justification demonstrating that the work to be performed should not be performed by Apprentices.

A Public Body/Awarding Body, upon the request of a contractor or subcontractor, **MAY** submit a request for a modification or waiver of the percentage of hours of labor of one or more apprentices prior to (1) the bid advertisement; (2) the bid opening; or (3) the award of the contract if, “Good Cause” exists. The Labor Commissioner may also grant a waiver from the requirements of SB 207 after work on the public work has commenced.

Sample Forms and information on SB 207 can be found at:

http://labor.nv.gov/Apprenticeship_Utilization_Act/Apprenticeship_Utilization_Act/

Additional information on Public Works Projects and Prevailing Wages by region can be found at www.labor.nv.gov or by following the links below.

http://labor.nv.gov/PrevailingWage/Public_Works_Prevailing_Wages/

<http://labor.nv.gov/uploadedFiles/labornvgov/content/home/features/PWP%20Handbook%20June%202019.pdf>

GUIDELINES FOR AWARDING BODIES AND CONTRACTORS/SUBCONTRACTORS

1. Senate Bill 207 applies to Public Works Projects (NRS 338.010 – Subdivision 23) over \$100,000. (Exemptions may apply – See NRS sections 338.011 and 338.090.)
2. For each Public Works Project (PWP) Bid Advertisement, Bid Opening, and Contract, the Public Body/Awarding Body should include the requirements of Senate Bill 207. The Public Body/Awarding Body should also determine if the PWP requires the performance of uniquely complex or hazardous work.
3. Contractors/Subcontractors should determine if they can meet the Apprenticeship % requirements set forth in SB 207 or need to request Apprentices from a Registered Apprenticeship Program. Contractors/Subcontractors can request Apprentices using the Apprentice Request Form or request Apprentices in writing from a Registered Apprenticeship Program. (*Written documentation will be required by the Labor Commissioner if a Request for Waiver is submitted.*)
4. If the Apprentice Request is approved and Apprentices are dispatched, an Apprentice Agreement may need to be executed between the Registered Apprenticeship Program and the Contractor/Subcontractor.
5. Apprentice Issues - Issues and/or complaints regarding the qualifications and/or work of an Apprentice that is dispatched should be directed to the Registered Apprenticeship Program or the State of Nevada Apprenticeship Council. Please follow link <http://owinn.nv.gov/Apprenticeship/AboutSAC/>.
6. A Request for Waiver **MAY** be submitted by the **PUBLIC BODY/AWARDING BODY** to the Office of the Labor Commissioner if: (1) No Registered Apprentice Programs exist in the jurisdiction for the craft/type of work required for the PWP; (2) A request for Apprentices was denied or not acted upon within 5 business days; or (3) The PWP requires the performance of uniquely complex or hazardous work.
7. **ONLY THE PUBLIC BODY/AWARDING BODY CAN SUBMIT A REQUEST FOR WAIVER. REQUESTS FOR WAIVERS SHOULD BE SUBMITTED AS SOON AS POSSIBLE.**
8. Within 15 days of receipt of the Request for Waiver, the Office of the Labor Commissioner will issue a Decision/Determination granting or denying the Request for Waiver on the form that was submitted.
9. The Public Body/Awarding Body, Contractor, or Subcontractor can appeal the Decision/Determination within 10 days of issuance.
10. The Public Body/Awarding Body shall monitor the PWP consistent with the laws and regulations set forth in Nevada Revised Statutes (NRS) section 338 and Nevada Administrative Code (NAC) section 338. If a Waiver has not been granted the Public Body/Awarding Body shall ensure that certified payroll reports and any other required documentation are submitted and maintained demonstrating compliance with SB 207.

For additional information please contact us at:

Office of the Labor Commissioner
1818 College Parkway, Suite 102
Carson City, NV 89706 775-684-1890

AUA@labor.nv.gov

Office of the Labor Commissioner
3300 W. Sahara Avenue, Suite 225
Las Vegas, NV 89102 702-486-2650

AUA@labor.nv.gov

TOLL FREE: 1-800-992-0900 Ext. 4850 - www.labor.nv.gov

ADDITIONAL CONDITIONS TECHNICAL SPECIFICATIONS

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ADDITIONAL CONDITIONS

AC1 SUMMARY OF WORK

The Work to be done under these Specifications shall include the installation of all Contractor furnished materials and equipment necessary for, or incidental, to the transportation and delivery and installation of the proposed Work on the Plans and as specified herein for construction.

The work shall also include all incidental, accessory, and/or supplemental work necessary for a complete and usable system.

AC2 LOCATION OF PROJECT

This work shall be constructed at the Incline Village Mountain Golf Course, located at **690 Wilson Way, Incline Village, NV 89451**.

AC3 STANDARD SPECIFICATIONS

By reference the "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (Orange Book) as adopted by Washoe County, City of Sparks, City of Reno, Carson City and Douglas County are included in these Contract Documents as if included in part or whole.

AC4 CONTRACT CORRELATION

In the event that the terms, provisions, conditions, specifications or requirements contained in one contract document should conflict with those contained in another contract document, then such conflict shall be resolved in accordance with the following order of precedence:

- A. Change Orders.
- B. Addenda.
- C. Special Provisions.
- D. The Plans.
- E. The General Provisions.
- F. The OWNER-CONTRACTOR Agreement.
- G. Standard Details for Public Works Construction, as adopted by Washoe County.

Specifications shall take precedence over notes on drawings. Large-scale drawings shall take precedence over smaller scale drawings.

SECTION 01012 – PRESERVATION, RESTORATION AND CLEANUP

PART 1 – GENERAL

1.1 PRE-WORK SITE INSPECTION

- A. Prior to any work commencing on site, including any setting up of equipment or staging areas, Contractor shall provide video documentation of the pre-construction condition of the project area.

1.2 ROADS AND STREETS

- A. At all times during the work, keep the premises clean and orderly, and upon completion of the work, repair all damage caused by equipment and leave the project free from all rubbish and excess material of any kind.
- B. Thoroughly clean all spilled dirt, gravel, or other material caused by the construction activities from all roads and streets at the end of each day.

— END SECTION 01012 —

Section 01026
UNIT PRICES

ARTICLE 1 - GENERAL

1.01 SCOPE

This section covers the measurement and payment schedules related to the project.

1.02 Bid Item Descriptions

The following bid items include full compensation for all labor, materials, and other services required to perform all work as described in the Contract Documents or that can reasonably be inferred as necessary or incidental to complete the Work. No bid item is necessarily delineated by a single section of the Technical Specifications, nor do these bid items delineate trades or limits of responsibility.

Bid Item No. 1: MOBILIZATION / DEMOBILIZATION

Mobilization / Demobilization shall be paid for at a lump sum price.

The contract lump sum price paid for Mobilization / Demobilization shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Mobilization / Demobilization, complete in place, including obtaining bonds, insurance and financing, pre-work documentation, movement of equipment, materials and personnel, supervision, certificates, permits, submittals, utilities, site maintenance, winterization, seasonal demobilization and remobilization, cleanup, dust control, staging, providing and maintaining traffic control, and all other work incidental to the contract not specifically identified under the remaining items or costs incurred prior to the beginning of the work and after completion of the work as shown on the construction drawings, as specified herein, and as directed by the Engineer. The cost for this Mobilization / Demobilization shall not exceed five (5) percent of the total bid for this project without documented justification.

Bid Item No. 2: TEMPORARY EROSION CONTROL / TREE PROTECTION

Temporary Erosion Control / Tree Protection shall be paid for at a lump sum price.

The contract lump sum price paid for Temporary Erosion Control / Tree Protection shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals to install, maintain, and remove all required Temporary Erosion Control / Tree Protection, including drainage inlet protection, gravel bags, fiber rolls, erosion control fencing, tree protection, and any other temporary erosion control measures as may be required by the permits, or permitting agencies, as shown on the construction drawings, as specified herein, and as directed by the Engineer.

Bid Item No. 3: FULL DEPTH AC PAVEMENT AND BASE REMOVAL

Full Depth AC Pavement and Base Removal shall be paid by the square foot.

The contract square foot price paid for Full Depth AC Pavement and Base Removal shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Full Depth AC Pavement and Base Removal, complete in place, including removal of the existing asphalt section, underlying aggregate base and/or subgrade to a depth required for installation of the proposed pavement section to not impede drainage, re-grading of subgrade material to provide the section as shown on the construction drawings, as specified herein, and as directed by the Engineer.

Bid Item No. 4: FULL DEPTH AC PAVEMENT AND BASE REPLACEMENT

Full Depth AC Pavement and Base Replacement shall be paid by the square foot.

The contract square foot price paid for Full Depth AC Pavement and Base Replacement shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Full Depth AC Pavement and Base Replacement, complete in place, including subgrade preparation, aggregate base, asphaltic concrete, and compaction as shown on the construction drawings, as specified herein, and as directed by the Engineer.

Bid Item No. 5: AC CURB

AC Curb shall be paid for by the lineal footage.

The contract lineal foot price paid for AC Curb shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in AC Curb, complete in place, including the installation and compaction of base

material and new AC curb as shown on the construction drawings and per Orange Book standards as specified herein, and as directed by the Engineer.

Bid Item No. 6: CRACK SEALING

Crack Sealing shall be paid for by the lineal footage.

The contract lineal foot price paid for Crack Sealing shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Crack Sealing, complete in place, including cleaning and preparation of cracks, and filling of cracks as shown on the construction drawings and per Orange Book standards as specified herein, and as directed by the Engineer.

Bid Item No. 7: SLURRY SEAL

Slurry Seal shall be measured for payment by the square foot of new asphalt paving. Slurry Seal to be paid for shall be that area within the minimum limits shown on the details of the construction drawings, plus or minus any changes required by the permit conditions or ordered by the Engineer. No additional payment will be made for Slurry Seal placed beyond said limits.

The contract price paid per square foot for Slurry Seal shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Slurry Seal, complete in place, including surface preparation, asphalt emulsion, graded aggregate, spreading and sweeping as shown on the construction drawings, as specified herein, and as directed by the Engineer.

No additional payment will be made for pavement repair beyond limits incidental to the work and approved by the Engineer.

Bid Item No. 8: ROCK SLOPE PROTECTION

Rock Slope Protection shall be measured for payment by the square foot of new Rock Slope Protection to be paid for shall be that area within the minimum limits shown on the details of the construction drawings, plus or minus any changes required by the permit conditions or ordered by the Engineer. No additional payment will be made for Rock Slope Protection placed beyond said limits.

The contract price paid per square foot for Rock Slope Protection shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Rock Slope Protection, complete in place, including surface preparation, clearing, compacting,

and placing rock as shown on the construction drawings and per Orange Book standards as specified herein, and as directed by the Engineer.

No additional payment will be made for pavement repair beyond limits incidental to the work and approved by the Engineer.

END OF SECTION 01026

SECTION 01060 – CODES, PERMITS, AND PREVENTION OF ENVIRONMENTAL POLLUTION

PART 1 – GENERAL

1.1 CITY, COUNTY, AND STATE LAWS

- A. The contractor shall comply with the requirements of all city, county, state and federal laws, whether or not stated herein, having specific control over this type of construction and operation.

1.2 FEDERAL, STATE AND LOCAL POLLUTION CONTROL REGULATIONS

- A. Meet all federal, state, and local pollution control regulations for all work performed under this contract. No lime, wet concrete, petroleum products, silt, organic material, or other deleterious materials are allowed to fall, flow, leach, or otherwise enter public waters.
- B. Observe all statutes, ordinances, and regulations pertaining to the prevention of environmental pollution and the preservation of public natural resources. All such statutes, ordinances, regulations, or portions thereof pertaining to work performed under this contract are hereby incorporated with and made a part of this contract.
- C. The Contractor shall be aware of these provisions and coordinate with the specific controlling agencies.
- D. The Contractor shall furnish all bonds and insurance required by the controlling agencies and shall, if requested, pay for any inspections and testing accomplished or furnished by them.

1.3 PERMITS

- A. The Owner will pay for the following permits:
 - 1. Washoe County Building Permit - Grading Application

These permits will be applied for by the Contractor. The Contractor shall be responsible for picking up permits from Owner or City.

- B. A copy of these permits, if available, can be reviewed by the Contractor at the Engineer's or Owner's office prior to the bid closing date. The Contractor shall be aware of the conditions of these permits, and shall comply with their conditions, and any other regulations of the above agencies for any other agencies having jurisdiction over this type of work.
- C. The Contractor shall obtain the following permits:

1. All permits required by regulatory agencies not identified above, if any, including but not limited to project SWPPP, Dust Control, etc.
- D. The Contractor shall furnish all bonds and insurance required by the controlling agencies, and shall, if requested, pay for any inspection and testing accomplished or furnished by them.
- E. All work performed within the jurisdiction of the controlling agencies, such as river banks and public waters, including restoration of surfaces, opening and closing of excavations and other work which could affect the hydraulics or fish life of the receiving waters, shall conform to the requirements and regulations of the various controlling agencies, and shall be subject to their approval. The Contractor shall coordinate all work with the controlling agencies.

1.4 STATE AND FEDERAL SAFETY REQUIREMENTS

- A. The Contractor shall include in the work all components and features required for both state and federal safety regulations. Such components and features shall include, but not be specifically limited to, any and all protective devices, guards, restraints, locks, latches, shoring, switches, and other safety provisions that may be required or necessitated by state and federal safety regulations. The Contractor shall determine the specific requirements for safety provisions and shall cause inspections and reports by the appropriate safety authorities to be conducted to insure compliance with the intent of the regulations.
- B. The Contractor shall perform all work in accordance with state and federal safety regulations. Any and all safety procedures and equipment shall be followed and utilized as may be required. All costs for components and features required to meet state and federal safety regulations shall be incidental to performance of the work.

— END SECTION 01060 —

SECTION 01150 – MEASUREMENT AND PAYMENT

PART 1 – APPLICATIONS FOR PAYMENT

1.1 SUMMARY

- A. General work included in this Section:
 - 1. Measurement and Payment.

1.2 GENERAL

- A. Submit Applications for Payment to Engineer in accordance with the schedule established by conditions of the Contract and Agreement between Owner and Contractor.
- B. Additional requirements specified elsewhere.
 - 1. Progress payments, retainages, and final payment: Conditions of the Contract and Agreement.
 - 2. Schedule of Values: Bid Form.

1.3 FORMAT AND DATA REQUIRED

- A. Submit applications per EJCDC form C-620 “Contractor’s Application for Payment.” Electronic copy of form to be provided by Engineer to Contractor for use in submitting payments associated with this Contract.
- B. Provide itemized data on continuation sheet.
 - 1. Format, schedules, line items, and values: Those of the Schedule of Values.

1.4 PREPARATION OF APPLICATION FOR EACH PROGRESS PAYMENT

- A. Application form:
 - 1. Fill in required information, including that for Change Orders executed prior to the date of submittal application.
 - 2. Fill in summary of dollar values to agree with the respective totals indicated on the continuation sheets.
 - 3. Execute certification with the signature of a responsible officer of the Contractor’s firm.
- B. Continuation Sheets:
 - 1. Fill in total list of all scheduled component items of work with item number and the scheduled dollar value for each item.
 - 2. Fill in the dollar value in each column for each scheduled line item when work has been performed or products stored.
 - a. Round off values to the nearest dollar.
- C. List each Change Order executed prior to the date of submission at the end of the continuation sheets.

1. List by Change Order number and description, as for an original component item of work.

1.5 SUBSTANTIATING DATA FOR PROGRESS PAYMENTS

- A. When Owner or Engineer requires substantiating data, Contractor shall submit suitable information, with a cover letter identifying:
 1. Project.
 2. Application number and date.
 3. Detailed list of enclosures.
 4. For stored products:
 - a. Item number and identification as shown on application.
 - b. Description of specific material.
- B. Submit one copy of data and cover letter for each copy of the application.

1.6 PREPARATION OF APPLICATION FOR FINAL PAYMENT

- A. Fill in application form as specified for progress payments.

1.7 SUBMITTAL PROCEDURE

- A. Submit Application for Payment to Engineer as described in General Conditions.
- B. Number: One original plus two copies of each application.
- C. When Engineer finds the application properly completed and correct, he will transmit a Certificate of Payment to the Owner.

— END SECTION 01150 —

SECTION 01300 - SUBMITTAL PROCEDURES

PART 1 – GENERAL

1.1 SUMMARY

- A. All equipment and materials shall be submitted to the Engineer for approval prior to purchase. The information that is required to be submitted shall include, but not be limited to, drawings, specifications, descriptive data, certificates and samples as required by the Engineer.
- B. Related Sections:
 - 1. General Conditions.
 - 2. Supplementary Conditions.

1.2 CONTRACTOR'S RESPONSIBILITY

- A. The Contractor shall be held responsible for the accuracy and completeness of each submittal. Prior to submitting any submittal for review, the Contractor shall review the submittal, indicate any deviations from the Contract Documents, cross out any information that does not directly relate to the item being submitted and sign the document certifying it has been reviewed by his Company.

1.3 TRANSMITTAL PROCEDURE

- A. The Contractor shall submit a minimum of four (4) copies of each submittal (unless additional copies are desired by the Contractor). In lieu of hard copies, the Contractor may submit electronic versions of all submittals and shop drawings for review. Electronic return of submittals will be the standard for all electronic version submittals. If no hard copies are submitted, no hard copies will be returned to the Contractor. The submittal will be reviewed for completeness and certified by the Engineer with one of the following.
 - 1. Reviewed
 - 2. Revise and Resubmit
 - 3. Rejected.
 - 4. Furnish as Corrected
- B. If the Engineer finds the submittal in substantial compliance with the specification, he will certify the submittal "Reviewed". In this event, the Contractor may begin to implement the work method or incorporate the material or equipment covered by the submittal.
- C. If the Engineer marks the submittal "Furnish as Corrected", the Contractor may begin implementing the work method or incorporating the material and equipment covered by the submittal with the noted corrections.
- D. If the Engineer finds the submittal is not within the requirements of the specifications, it will be marked "Rejected" or "Revise and Resubmit" and annotated as to why it was not approved. The Contractor must then revise his submittal to meet specifications and resubmit for approval.

- E. Only one hard copy of each submittal will be returned to the Contractor, unless submittals are made electronically. If the Contractor desires additional hard copies of reviewed submittals he shall provide them to the Engineer.
- F. Allow seven working (7) days for the Engineer's initial review of each submittal. Where processing must be delayed to permit coordination with subsequent submittals, allow additional time. The Engineer will advise the Contractor promptly when a submittal being processed must be delayed for any reason.

— END SECTION 01300 —

SECTION 01310 - CONSTRUCTION SCHEDULES

PART 1 – GENERAL

1.1 SUMMARY

- A. General work included in this Section:
 - 1. Construction schedules.

1.2 CONSTRUCTION SCHEDULES: GENERAL

- A. Prepare and submit to the Engineer estimated progress schedules for the Work, with sub-schedules of related activities that are essential to its progress.
- B. The Contractor shall submit revised progress schedules based upon revisions in the progress and/or scheduling of Work, or as required by the Engineer.
- C. Owner may require Contractor to add to his plant, equipment, or construction forces, as well as increase working hours if operations fall behind schedule at any time during the construction period.

1.3 FORM OF SCHEDULES

- A. Prepare schedules in the form of a horizontal bar chart:
 - 1. Provide separate horizontal bar for each trade or operation.
 - 2. Horizontal time scale: Identify the first workday of each week.
 - 3. Scale and spacing: To allow space for notations and future revisions.
 - 4. Minimum sheet size: 8.5" x 11".
- B. Format of listings:
 - 1. The chronological order of the start of each item of work.

1.4 CONTENT OF SCHEDULES

- A. Show on construction progress schedule:
 - 1. The complete sequence of construction by activity.
 - 2. The dates for the beginning and completion of each major element of construction.
 - 3. Show for submittal schedules for shop drawings and product data.
 - 4. The dates for Contractor's submittals.
 - 5. The dates that submittals will be required from Engineer.
- B. Product delivery schedules:
 - 1. Show the delivery dates for all major items of materials and equipment.

1.5 PROGRESS REVISIONS

- A. Indicate progress of each activity to date of submission.
- B. Show changes occurring since previous submission of schedule:
 - 1. Major changes in scope.
 - 2. Activities modified since previous submission.
 - 3. Revised projections of progress and completion.
 - 4. Other identifiable changes.
- C. Provide a narrative report as needed to define:
 - 1. Problem areas, anticipated delays, and the impact on the schedule.
 - 2. Corrective action recommended, and its effect.
 - 3. The effect upon the schedule of other activities.

1.6 SUBMISSIONS

- A. Submit initial schedules by the time of the preconstruction meeting.
- B. Submit revised progress schedules with each Application of Payment, or as required by the Engineer.
- C. The Contractor shall provide four copies of the schedule with each submittal (the option of electronic submittal of the schedule is also available).
- D. The Engineer shall review and comment on the submittal within seven days. If required, the Contractor shall resubmit within seven days after return of the review copy.

— END SECTION 01310 —

SECTION 01340 - SHOP DRAWINGS

PART 1 – GENERAL

1.1 SUMMARY

- A. General:
 - 1. This Section addresses submittal requirements for shop drawings, samples, and operation and maintenance materials.

1.2 SUBMITTALS: GENERAL

- A. Transmit all submittals to:

Incline Village General Improvement District
Public Works Department
Incline Village, NV 89451
Phone: 775.413.4525
Email: baw@ivgid.org
Attn: Bree Waters
- B. All submittals shall contain a cover sheet or cover letter clearly representing the purpose and the item(s) submitted.
- C. Submittal information defining equipment and materials shall be specific to the products proposed. Generalized product information that does not clearly define specific equipment or materials to be used will be rejected. Submittals shall contain the manufacturer's recommendations for installation, where applicable or required.
- D. All shop drawings and material and equipment submittals shall contain an approval stamp from the Contractor.
 - 1. The stamp shall state that “[*Contractor name*] has examined and verified all field dimensions and measurements, field construction criteria, materials, and similar data, and that the Contractor has checked with the requirements of the Work and Contract Documents.”
 - 2. All transmittals shall be made by the Contractor. Transmittals received from subcontractors and suppliers will receive no action.
- E. The submittal of shop drawings and samples shall comply with Section 7.16 of the General Conditions.
- F. Each transmittal shall contain two copies of a transmittal cover sheet clearly indicating the following:
 - 1. The Project Name.
 - 2. The Owner.
 - 3. The Engineer.
 - 4. Date transmitted.
 - 5. The transmittal identification number for each item.

6. A description of each item.
 7. Action requested.
- G. The Contractor shall submit a sample of the proposed transmittal cover sheets to the Engineer for comment, prior to submittal proceedings.

1.3 SHOP DRAWINGS SUBMITTALS

- A. The requirements for shop drawing transmittals are as follows:
1. Cover sheets shall contain the information depicted in Section 1.2F.
 2. Each item transmitted shall be numbered consecutively beginning with "1".
 3. Resubmittals shall retain the original transmittal number, but be accompanied with a suffix letter starting with letter "A".
 4. Each transmittal cover sheet shall contain items within only one Specification Section or construction detail.
 5. Submit four copies of the submittal materials for the Engineer, plus the number of copies required by the Contractor – as an alternative submittals can be submitted through Newforma Project Management electronically. If done electronically the contractor is responsible for printing out their own copies.
 6. The first page of each item's submittal materials shall contain a 2" x 3" clear space for the Engineer's stamp.
 7. The Contractor's marks shall be on each copy of the transmittal.
 8. The contents of transmittals shall be coordinated and identified so that all items can be easily verified by the Engineer.
 9. Provide sufficient information together with technical cuts and technical data to allow an evaluation to be made to determine that the item is in compliance with the Contract Documents.
 10. Wherever possible, submit product data information on 8½" x 11" sheets.
 11. Indicate exact item or model, and all proposed items on product information sheets.
 12. Submittal information shall include legible scale details, sizes, dimensions, performance characteristics, capacities, test data, installation instructions, storage and handling instructions, color charts, layout drawings, parts catalogs, rough-in diagrams, wiring diagrams, controls, weights, and other pertinent data.
 13. If proposed products deviate from the specifications or drawings in any way, clearly note and justify the deviation, in detail, in a supplemental letter to the submittal. If an explanation is not provided, the shop drawing will be returned without action.

1.4 SAMPLE SUBMITTALS

- A. Identify the sample as to manufacturer, item, use, type, project designation, tag number, specification section or drawing detail, color, texture, finish, and other pertinent data.

- B. Include specific installation and application instructions.
- C. Provide the Contractor's stamp of approval on samples as an indication of his checking and verification of dimensions and coordination with interrelated work.

1.5 OPERATION AND MAINTENANCE MANUALS AND EQUIPMENT MAINTENANCE SUBMITTALS

- A. Operation and Maintenance Manuals are required for:
 - 1. Major equipment.
 - 2. Equipment with electric motors.
 - 3. Specialized equipment including control valves, instrumentation, control systems, meters, recorders, variable frequency drives, transmitters, etc.
- B. Transmittals for Operation and Maintenance Manuals shall be identified with consecutive numbers, starting with "1". The prefix OM shall be provided for the transmittal of O&M Manuals (i.e. "OM - #").
- C. Submit three (3) hard copies and one electronic copy of the Operation and Maintenance Manual.
- D. An acceptable O&M submittal will be retained by the Engineer. The transmittal cover sheet will be returned with a request for three additional copies.
- E. Deficient submittals will be returned along with the transmittal sheet. The deficient areas will be noted.
- F. O&M Manuals shall include, but are not necessarily limited to the following:
 - 1. Equipment function, normal operating characteristic, and limiting operations.
 - 2. Assembly, disassembly, installation, alignment, adjustment, and checking instructions.
 - 3. Operating instructions for start-up, routine and normal operations, regulation and control, shutdown, and emergency conditions.
 - 4. Lubrication and maintenance instructions.
 - 5. A guide to "troubleshooting".
 - 6. Parts list and predicted life of parts subject to wear.
 - 7. Outline, cross-section, and assembly drawings.
 - 8. Engineering data.
 - 9. Electrical diagrams, including elementary diagrams and interconnection diagrams.
 - 10. Test data and performance curves.
 - 11. A list of recommended spare parts.
 - 12. Copies of installation instructions, parts lists or other documents packed with equipment when it is delivered.
 - 13. Equipment record sheets recommended by the manufacturer.

PART 2 – EXECUTION

2.1 SUBMITTALS: APPROVAL OR REJECTION

- A. Submittals shall be reviewed for completeness and shall receive one of the following actions:
 - 1. “Reviewed”.
 - 2. “Revise and Resubmit”.
 - 3. “Rejected”.
 - 4. “Furnish as Corrected”
- B. If the Engineer finds the submittal in substantial compliance with the Contract Documents, he will stamp the item submittal as “Reviewed”. The Contractor may begin to implement the work method or incorporate the products for shop drawings and sample submittals that are stamped as “Approved”.
- C. If the Engineer marks the submittal as “Furnish As Corrected”, the Contractor may begin implementing the work method or incorporating the material and equipment covered by the submittal with the noted corrections.
- D. If the Engineer finds the submittal is not within the requirements of the Contract Documents, it will be marked “Revise and Resubmit” or “Rejected” and annotated as to why it was not approved. The Contractor shall revise the submittal to be in compliance with the Contract Documents as resubmit for approval.
 - 1. Resubmittal shall be identified with the original identification number and shall include a suffix in accordance with Section 1.3A.
- E. Transmittals that are not stamped by the Contractor in accordance with Section 1.2 D will not be reviewed and will be returned with no action.
- F. Transmittals that are “Reviewed” or “Furnish as Corrected” will be distributed to the Owner’s field personnel. If for any reason the Contractor resubmits an approved item, the Contractor shall assure that previously approved documents are superseded by the resubmittal.

Transmittals that are “Rejected” or “Revise and Resubmit” will not be distributed. One copy of the transmittal will be marked up and returned to the Contractor.

— END SECTION 01340 —

SECTION 01550 – CONSTRUCTION TRAFFIC CONTROL

PART 1 – GENERAL

1.1 DESCRIPTION OF WORK

- A. The work to be performed in accordance with this section includes providing flagging services and pilot vehicles, furnishing, controlling, maintaining, moving, and removing barricades, warning signs, lights, signals, and pavement markings as required to provide safe and efficient vehicular and pedestrian passage through the work zone.

This consists of all work related to traffic control, including but not limited to: 1) preparation and submittal of traffic control plans; 2) providing traffic control during the project for all operations within the project area; and, 3) notification of residents and businesses that will have limited access during the work.

1.2 QUALITY ASSURANCE

- A. Related Documents:
1. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION (MUTCD).
 2. Nevada Department of Transportation (NDOT) Standard Specifications for Road and Bridge Construction, latest edition.
 3. NDOT Signing and Marking Standard Drawings.
 4. NDOT Construction Standard Drawings.

1.3 SUBMITTALS

- A. Traffic control plan. A separate plan shall be submitted for each construction area.
The CONTRACTOR shall comply with the approved traffic control plan at all times. If an alternate traffic control plan is requested by the CONTRACTOR, the CONTRACTOR must prepare the necessary plans, submit to the necessary agency or agencies for approval, receive approval in writing, and provide ENGINEER with a copy of the approval before working in areas associated with the modified traffic control plan.
- B. Schedule. Provide complete traffic control plan schedule showing dates and times for traffic control changes that will be performed in conjunction with the work schedule.
- C. Responsible Employee(s). Provide the name(s) and after hours phone number(s) for the employee(s) responsible for implementation and maintenance of the traffic control plan to the OWNER and local law enforcement agency. The employee(s) shall be available at all times to make necessary changes and/or repairs to the traffic control facilities as required to maintain safe traffic control in and around construction areas.

PART 2 – MATERIALS

2.1 GENERAL

- A. All products, procedures and facilities shall be per MUTCD latest edition. All traffic control devices shall be high intensity.

2.2 SIGNS, BARRICADES, CHANNELIZING DEVICES AND LIGHTING DEVICES

- A. MUTCD, part VI. Lighted barricades shall be properly maintained.

2.3 FLAGMEN

- A. Competent, trained, and supplied with a combination STOP/SLOW sign, orange vest, and orange hard hat. Provide adjacent barricading devices where required. Flagmen shall be certified as required by State law and/or local codes and ordinances.

PART 3 – EXECUTION

3.1 GENERAL

- A. Provide adequate protection of all vehicular and pedestrian traffic and workmen through any and all portions of the construction zone where the construction operations interfere with, obstruct, or create a hazard to the normal movement of traffic.
 1. Where possible, two (2) lanes of traffic shall remain open at all times unless otherwise indicated.
 2. During Emergency situations, the OWNER may provide traffic control. The cost of any traffic control provided by the OWNER shall be borne by the CONTRACTOR.
 3. In the event that any employees of the OWNER are required to correct, repair, or modify any in-place traffic control by the CONTRACTOR, it shall be the responsibility of the CONTRACTOR to reimburse the OWNER for any incurred costs.
- B. The Contractor shall at all times during construction provide for public access by permitting traffic to pass through the construction area as specified herein. The Contractor shall refer to the appropriate sections of the Manual on Uniform Traffic Control Devices (MUTCD), the “Guidelines for Traffic Control in Work Zones”, and the State of Nevada Department of Transportation (NDOT) “Standard Specifications for Road and Bridge Construction” for traffic control provisions and the installation of all traffic control devices (The most restrictive specification shall govern).
 1. It is the intention of this section to set forth the basic provisions for traffic control in the work area and the Contractor shall note that nothing in these Conditions shall be construed as relieving the Contractor from its responsibility as provided in said NDOT Standard Specifications or as required by the NDOT Occupancy Permit, if needed.

2. In addition, the Contractor shall, within or adjacent to the limits of the work, supplement additional warning and directional signs if requested by the Engineer.
 3. The Contractor, at its own expense, shall furnish and maintain all lights, signs, barricades or other devices necessary for the protection of public traffic. The Contractor shall install standard traffic control devices in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) and the “Guidelines for Traffic Control in Work Zones”.
 4. In addition, the Contractor shall at all times during construction and non-construction hours be responsible for installation and maintenance of all traffic control devices necessary for the protection of public traffic, providing flaggers as necessary, scheduling and expediting the work to cause the least inconvenience to the public, and patrolling the work area as required to ensure that all devices are in place, clean and properly displayed at all times.
 5. Night flaggers shall wear reflectorized material and the flagger stations shall be illuminated so that the flaggers can be seen by the public traffic being controlled. Additionally, all traffic control devices shall be reflectorized.
 6. The Contractor’s vehicles shall be parked as far off the edge of the pavement as possible to insure the safe passage of public traffic.
 7. All costs associated with accommodating public traffic, furnishing flaggers, installing, maintaining and removing signs, barricades and other facilities for the safety and direction of public traffic through and around the Project site shall be considered as included in the prices paid for the various contract items and no additional compensation will be allowed.
 8. The Contractor shall erect and maintain temporary fences, bridges, railings, and barriers, and take all other necessary precautions and place proper guards for the prevention of accidents. The Contractor shall establish and maintain suitable and sufficient lights and other signals and shall indemnify and save harmless the Owner, Engineer, its officers, agents, and employees from all damages and costs to which they may be put by reason of injury to person or property resulting from the Contractor’s negligence or carelessness in the performance of the work or in guarding the same, or from any improper materials, implements, or appliances used in its *construction*, or by or on account of any act of omission of the Contractor or his agents. Contractor shall be responsible for providing portable sanitation facilities at the project site.
- C. Closures of streets in order to facilitate construction will be permitted, in some cases, provided that:
1. The Contractor submits and receives approval from the Engineer for his traffic control plan.
 2. The Contractor notifies the Owner in writing at least 10 days prior to the proposed closure of his intent to close the road.
 3. The road closure shall be permitted only during the hours of 8 AM – 5 PM.
 4. The detour sign shall be covered when the road closure is not in effect.
 5. The Contractor shall allow residents access to and from their driveways during road closures and shall minimize delays in accommodating the resident’s needs.

Technical Specifications
Section 01550-3

3.2 PUBLIC NOTIFICATION

A. Contractor shall notify the following agencies of any traffic delays or road closures 48 hours in advance of the work:

- | | |
|---|--------------|
| 1. Nevada Highway Patrol | 775 687-5300 |
| 2. Washoe County Sheriff | 775 328-3001 |
| 3. Washoe County School District | 775 348-0200 |
| 4. Truckee Meadows Fire Protection District | 775 326-6000 |

3.3 TRAFFIC CONTROL DEVICES

A. Place all necessary traffic control devices before any work is started. Move devices as necessary to keep up with the advancing operation. Place devices at the locations indicated on the traffic plan and in accordance with plan details and the MUTCD and as specified herein. Maintain devices; keep free from dirt, mud and roadway grime. Promptly replace all damaged devices.

3.4 FLAGMEN

A. Locate flagmen as indicated on the traffic control plan. Provide flagmen where traffic is required to stop and/or slow. Provide additional flagmen as required for site-specific traffic control conditions.

3.5 STOPPING TRAFFIC

A. Traffic shall not be stopped and held longer than absolutely necessary. Traffic shall not be stopped long enough to interrupt traffic at the nearest intersection or longer than 5 minutes unless otherwise approved by the OWNER.

3.6 ADJUSTMENT TO THE TRAFFIC CONTROL PLAN

A. At any time, the OWNER may request that adjustments be made to the traffic control plan layout or signage. The CONTRACTOR shall immediately make all adjustments and provide all signage required. No additional compensation or payments will be made for adjustments to the traffic control plan.

END SECTION – 01550

SECTION 01710 - CLEANING

PART 1 – GENERAL

1.1 SUMMARY

- A. Section includes:
 - 1. Intermediate and final cleaning of Work not including cleaning of systems specified elsewhere.

1.2 STORAGE AND HANDLING

- A. Store cleaning products and cleaning wastes in containers specifically designed for those materials.

1.3 SCHEDULING

- A. Schedule cleaning operations so that dust and other contaminants disturbed by cleaning process will not fall on newly painted surfaces.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. Cleaning agents:
 - 1. Compatible with surface being cleaned.
 - 2. New and uncontaminated.
 - 3. For manufactured surfaces use cleaning materials recommended by the manufacturer.

PART 3 – EXECUTION

3.1 CLEANING – GENERAL

- A. Prevent accumulation of wastes that create hazardous conditions.
- B. Conduct cleaning and disposal operations to comply with laws and safety orders of governing authorities.
- C. Do not dispose of volatile wastes such as mineral spirits, oil, or paint thinner in storm or sanitary drains or sewers.
- D. Dispose of degradable debris and non-degradable debris at an approved solid waste disposal site.
- E. On completion of work, leave area in a clean, natural looking condition. Remove all signs of temporary construction activities incidental to construction of required permanent Work.
- F. Do not burn on-site.

3.2 INTERIOR CLEANING

- A. Cleaning during construction:
 - 1. Keep work areas clean so as not to hinder health, safety or convenience of personnel at the project site.
 - 2. As a minimum, dispose of waste materials, debris, and rubbish on a weekly basis.
 - 3. Vacuum clean interior areas when ready to receive finish painting. Continue vacuum cleaning on an as-needed basis, until substantial completion.

- B. Final Cleaning:
 - 1. Remove grease, mastic, adhesives, dust, dirt, stains, labels, and other foreign materials from sight-exposed surfaces.
 - 2. Wipe all lighting fixture reflectors, lenses, lamps and trims clean.
 - 3. Polish glossy surfaces to a clear shine.
 - 4. Ventilation systems:
 - a. Clean permanent filters and replace disposable filters if units were operated during construction.
 - b. Clean ducts, blowers and coils if units were operated without filters during construction.
 - 5. Replace all burned out lamps.
 - 6. Broom clean and/or mop floor areas.

3.3 EXTERIOR CLEANING

- A. Cleaning during construction:
 - 1. Construction debris:
 - a. Confine in strategically located container(s).
 - b. Cover containers to prevent blowing of debris.
 - c. Haul containers from site a minimum of once per week.
 - 2. Dispose debris to container(s) daily.
 - 3. Take special precautions to dispose of loose debris under windy or adverse weather conditions.
 - 4. Vegetation on the project site will shall be maintained and trimmed as necessary.
 - 5. Soils, sand, and gravel shall be removed from paved and sidewalk areas, as necessary, to prevent muddy, dusty, or nuisance conditions. Materials shall not be flushed into storm sewer systems.

- B. Final cleaning:
 - 1. Remove trash and debris containers from site.
 - 2. Clean paved roadways.

3.4 FIELD QUALITY CONTROL

- A. Routine monitoring of site conditions shall be conducted by the field representative. Deviations from requirements shall be promptly rectified by the Contractor.

- B. The project superintendent is expected to control conditions that may result in creating nuisance conditions within the developed residential neighborhood.

— END SECTION 01710 —

SECTION 01900 – MOBILIZATION/DEMobilIZATION

PART 1 – General

1.1 SCOPE

- A. Mobilization shall consist of preparatory work and operation, including but not limited to, those tasks necessary for the movement of personnel, equipment, supplies, and incidentals to and from the site, for the establishment of offices, buildings and other facilities necessary for work on the project; for premiums on bonds and insurance for the project and for all other work and operations which must be performed or costs incurred before beginning production work on the various contract items.

Demobilization at the finish of the job shall include the removal of all construction equipment, restoration of the site, and removal of all miscellaneous construction debris.

1.2 SUBMITTALS

- A. The CONTRACTOR shall provide a notice to all affected residents and businesses. The CONTRACTOR shall submit a sample of the notice to the Owner for review and approval prior to, but no later than, the time of the preconstruction conference. It shall provide the following information:

PROJECT NAME: Mountain Golf Course Cart Paths, Phase 1

ENGINEER'S NAME: Lumos & Associates.

PROJECT ENGINEER's Contact - 883-7077

CONTRACTOR's Name –

CONTRACTOR's Contact –

CONTRACTOR's Phone# -

Brief description of work, and Tentative Schedule with estimated completion date.

The notice is to be distributed at least 1 Week prior to any construction activities.

The CONTRACTOR shall prepare and distribute revised notices to residents if there are revisions to the construction schedules.

- B. The CONTRACTOR shall provide one (1) copy to the ENGINEER of any written agreements with a property OWNER for the areas used for material and equipment storage or staging if located on private property.
- C. A copy of the approved Notice shall be provided to the Owner at their office.
- D. A copy of the approved Notice shall be provided to the ENGINEER.

PART 2 – PRODUCTS

2.1 GENERAL

- A. Materials shall consist of equipment, buildings, and tools necessary to move to the project site to perform work.

PART 3 – EXECUTION

3.1 GENERAL

- A. Setting up of offices, and the use of private property for storage or work area shall be executed in a legal manner in accordance with local and state codes and ordinances.
- B. Remove all equipment, offices, materials and facilities used for the construction of the PROJECT upon PROJECT completion. Leave areas used in a condition as good as or better than when encountered.

END SECTION – 01900

SECTION 02200 - EARTHWORK

PART 1 – GENERAL

1.1 WORK RELATED

- A. Work included in this section shall include furnishing of all materials and labor necessary to complete Earthwork as indicated, specified herein or on the Plans. The work of this section includes, but is not necessarily limited to, the following:
1. Stripping and clearing.
 2. Scarifying and re-compaction of native soils.
 3. Excavation for footings.
 4. Engineered fill and backfill.
 5. Base fill under slabs on grade.
 6. Finish site grading.
 7. Temporary site drainage.
 8. Dust control.
 9. Quality control.

1.2 CONTRACTOR'S RESPONSIBILITY

- A. The CONTRACTOR shall attentively examine the site in such a manner that he can confirm existing surface conditions with those presented in the Soils Report included with the contract documents. He shall satisfy himself that the quality and quantity of exposed materials and subsurface soil or rock deposits have been satisfactorily represented by the Civil Engineers' drawings. Any discrepancy that may be of prior knowledge to the CONTRACTOR or that is revealed through his investigations shall be made available to the OWNER. The selection of equipment for use of the project and the order of work will similarly be his responsibility such that the requirements included in the following sections have been met.

1.3 REFERENCE STANDARDS

- A. Standard Specifications: Standard Specifications for Public Works Construction as adopted by Douglas County (Orange Book) most recent edition.

ASTM D2922 – Compaction Testing in Place by Nuclear Methods.

ASTM D1557 – Moisture Density Relationship of Compacted Soils.

- B. Where referred to herein, relative compaction shall mean the in-place dry density of soil expressed as a percentage of maximum dry density of the same material, as determined by ASTM D1557 Moisture Density Relationship Test Procedure. Optimum moisture content shall mean the moisture content corresponding to maximum dry density as determined above.

1.4 QUALITY CONTROL

- A. CONTRACTOR shall retain and pay a qualified testing laboratory to test all fill or backfill materials to be used by the CONTRACTOR during construction.

- B. CONTRACTOR shall retain and pay a qualified testing technician to test compaction of sub-grade and fill materials as directed by the OWNER's representative. Frequency of testing shall be in conformance with Orange Book requirements.
- C. When compacted soils and materials fail to meet the requirements of the specifications, the CONTRACTOR shall pay for any and all retesting of said compacted soils and materials.
- D. If, during the progress of work, tests indicate that compacted materials do not meet specified requirements, or if materials display any adverse conditions, i.e. pumping, excessive or insufficient water content, excessive debris, poor or improper gradation etc. or if materials are determined by the ENGINEER or Technician to be different than those specified, CONTRACTOR shall remove, replace and retest materials and work at no cost to the OWNER.

1.5 SUBMITTALS

- A. Test Reports: CONTRACTOR shall submit current test reports on all fill or backfill materials for approval, at least 14 days prior to the start of work.

1.6 SITE CONDITIONS

- A. Information presented in the Contract Documents regarding existing site conditions is believed to be correct, but is not guaranteed. CONTRACTOR shall visit the site for the necessary information and data regarding present ground levels, conditions of the property, location and size of obstructions, and location of adjacent streets, utilities, etc.
- B. CONTRACTOR shall assume all responsibility for damage to buildings, utilities, streets, etc., that may be caused by his work. CONTRACTOR shall refer to drawings and confer with OWNER for the location of existing utilities, etc.

1.7 PROTECTION

- A. CONTRACTOR shall protect existing streets, utilities, benchmarks, buildings and other features or facilities on or adjacent to the site from damage from the work of this section where such items are to remain. Any damage to the above shall be immediately repaired by the CONTRACTOR in a manner approved by the OWNER's representative.
- B. The CONTRACTOR shall provide, install, and maintain all barricades, shoring, bracing, etc., as required by Federal and State and local codes.

1.8 UTILITY SERVICES

- A. When encountered in the work, the CONTRACTOR shall perform the following:
 - 1. Protect existing active sewer, water, electric, gas, telephone or other utility services or underground improvements. If existing active services

are not indicated, but are encountered, request instructions from the OWNER's representative. Do not proceed until instructions are obtained.

1.9 DUST ABATEMENT

- A. CONTRACTOR shall take adequate measures at all times during construction to abate dust on the site. Provide watering from trucks, sprinklers, hoses or the like at sufficiently frequent intervals to preclude dust.

1.10 EXCAVATION VARIATIONS

- A. CONTRACTOR shall notify the OWNER's representative immediately if abnormal or questionable soil conditions are encountered, and shall not proceed with the work until so directed by the OWNER's representative. Procedures are as follows:
 - 1. Additional Excavation: When soil nature is such that good bearing cannot be found at sub-grade levels indicated, additional excavation to good bearing soil may be necessary. Should additional excavation be required, it will be ordered in writing. Additional excavation will be paid for at a price negotiated prior to the start of work.
 - 2. Unauthorized Excavation: Where excess or unauthorized excavation takes place beyond indicated lines, CONTRACTOR shall grade and fill to indicated sub-grades in accordance with the provisions of this section at no extra cost to the OWNER or OWNER's representative.

PART 2 – PRODUCTS

2.1 CLASS A

- A. Class A Bedding shall meet requirements of section 200.03.02 of the Standard Specifications for Public Works Construction.

2.2 CLASS C

- A. Class C Backfill shall meet requirements of section 200.03.04 of the Standard Specifications for Public Works Construction.

2.3 AGGREGATE BASE

- A. Aggregate Base shall meet requirements of section 200.01 of the Standard Specifications for Public Works Construction for Type II, Class B, Aggregate Base and Recycled Aggregate Base.

2.4 NATIVE BACKFILL

- A. On-site materials free of organics and debris are allowed. All rocks and cobbles with a diameter greater than 3 inches shall be removed prior to placement of backfill.

PART 3 – EXECUTION

3.1 SITE PREPARATION

- A. CONTRACTOR shall locate all utilities and improvements to remain.

3.2 SUB-GRADE SOIL PREPARATION

- A. Prior to the placement of any compacted backfill, engineered fill, compacted base material, etc., CONTRACTOR shall scarify and moisture condition to within 2% of optimum moisture content, then compact subgrade soils to at least 90% relative density.

3.3 EXCAVATION

- A. CONTRACTOR shall excavate to lines, grades and dimensions indicated or otherwise required to accommodate the work.
- B. Excavation shall extend a sufficient distance from the walls to allow for placing and removal of forms, placing reinforcing, installation of services, and for inspection. Sides of footings must be formed. Remove all loose material immediately before the concrete is placed.

3.4 ENGINEERED FILL AND BACKFILL

- A. CONTRACTOR shall remove water from areas to receive engineered fill and backfill before commencing work and keep areas free of water during filling and compaction. Fill and back-filling operations shall be carried out as follows:
 - 1. Placement of fill, backfilling or compacting of soils during freezing weather shall not occur except by permission of the ENGINEER or his representative. No backfill or fill materials shall be installed on frozen surfaces, nor shall frozen materials, snow, or ice be placed in any backfill. Provide protection as necessary during freezing weather.
 - 2. Place all fill material in lifts of not more than 8 inches loose material thickness, moisture condition material to within 2% of optimum moisture content and compact by approved means to 90% relative density.

3.5 SLAB BASE

- A. CONTRACTOR shall: Provide aggregate base compacted to a depth of no less than 6 inches under all concrete slabs-on-grade, vaults, manholes, and concrete site work. Before placing the fill, smooth and level the surface of the existing soil and thoroughly compact as required for engineered fill. Place base material in one lift, moisture condition to within 2% of optimum moisture content and compact to not less than 95% relative density.

3.6 COMPACTION

- A. Compaction as specified shall be obtained using suitable equipment designed for the work specified. The CONTRACTOR shall be responsible for selecting the type of equipment to be used.
- B. Compaction of each layer shall be continuous over the entire area of the fill. Compaction shall be carried out on lifts placed as level as possible. In areas where finished grade exceeds 5:1 slope lifts shall be “staircased” to ensure a level compacting surface.

3.7 FINISH GRADING

- A. The areas within the grading limits shall be graded to the lines and levels shown on the Plans. Finish grade shall be uniform, smooth, and well compacted, free from trash, debris and rocks over two inches in diameter. Finish grades shall not vary more than one inch from indicated elevations.

3.8 CLEANUP

- A. During the progress of the work, the CONTRACTOR shall keep the entire job site in a clean and orderly condition. Excess or unsuitable backfill material, broken pipe, or other waste material shall be removed from the job site within one week. Spillage resulting from hauling operations along or across existing streets or roads shall be removed immediately by the CONTRACTOR. All gutters and roadside ditches shall be kept clean and free from obstructions. Any deviation from this practice shall have prior approval from the OWNER. In area where excessive dust is a nuisance, the CONTRACTOR shall as often as necessary wet down the area to prevent dusty conditions as specified in the Special Conditions. This includes weekends and holidays.
- B. Before final acceptance of the work, the CONTRACTOR shall carefully clean up the work and the premises, remove all temporary structures, such as portable berms, built by or for him, remove all surplus construction materials and rubbish of all kinds from the grounds which he has occupied, and leave them in a neat condition. All drainage ditches shall be restored to their original condition, free of backfill and excavation material, and fully capable of passing storm runoff as in original condition.
- C. Daily cleanup of trash, paper, and small debris subject to movement with winds will be required.

— END SECTION 02200 —

3.3 DISPOSAL

- A. All materials resulting from demolition shall be disposed of in the appropriate manner. Disposal shall meet all state and local codes.

3.4 SALVAGE

- A. Prior to the removal of any piping, structures, pumps, electrical components, or miscellaneous appurtenances, the Project Engineer, an Owner's representative, and the Contractor shall review the items to be removed from the project area and the Project Engineer shall clearly mark each item designated for demolition.
- B. The Owner will identify any items to be salvaged during the walkthrough with the Project Engineer and Contractor. The Contractor shall palletize and stockpile onsite any items designated for salvage by the Owner. The Contractor shall use care when salvaging items for the Owner but shall not be responsible for the replacement of any items accidentally damaged during the salvage operations.
- C. Salvage may include any asphalt grindings or off-haul excess soil. The Owner will notify the Contractor of a location that asphalt grindings or other excess off-haul soil may be disposed of at no additional cost to the Owner, should the Owner desire to retain control and ownership of the grindings or over-haul soil. Should the Owner not desire to retain these materials the Contractor shall disposed of them in an appropriate manner at no cost to the Owner.

3.5 CONSTRUCTION METHODS

- A. Removal of Existing Portland Cement Concrete Curbs, Gutters, Sidewalks, and other pavements. Sawcut concrete to the match-lines as indicated on the plan or as required. Sawcut neat, vertical, true lines in such a manner that the adjoining surface will not be damaged. Sawcut to the full depth of the existing concrete. The existing concrete to be removed shall be disposed off-site in an approved landfill.
- B. Removal of Existing Asphalt Concrete Pavement for Asphalt Concrete Patch Repair. Sawcut asphalt concrete to the match lines shown on the plans, or as required, in accordance with 3.5.A above. Deep milling may also be utilized for asphalt concrete pavement removal in areas where feasible.
- C. Miscellaneous Removals. Perform all miscellaneous removals to construct the new improvements as required.
- D. The demolition of existing utility facilities will need to be coordinated with the Owner to ensure that utility operations are not impacted or are minimized to an extent acceptable to the Owner.

END SECTION - 02220

replacement castings to the CONTRACTOR. Therefore, any damaged casings at the end of the project will be considered to be damaged during construction and the CONTRACTOR must replace at his expense.

2. Manhole frames and covers shall be raised to finish grade in accordance with the detail on the Drawings.
3. If the total height of the grade rings (maximum of three) on a manhole is 12-inches or greater when the frame is raised to finish grade, additional grade rings may not be added to bring the frame and cover to finish grade. Either a new barrel section must be added or an extension ring must be set on the existing frame to adjust the cover to finish grade. In the event a barrel section must be added, and no other alternative is available, such work will be paid for as extra work on a time and material basis.
4. Water valve boxes and survey monument wells shall be adjusted to finish grade as detailed on the drawings.
5. The CONTRACTOR shall be responsible for referencing all utility manholes, survey monument wells and water valve boxes prior to resurfacing for relocating after the overlay.
6. New manhole grade rings, barrel sections, and lid frames shall be grouted in place.
7. Survey monument pins shall not be disturbed during construction. If it is anticipated that the pins are to be removed or disturbed in any way the CONTRACTOR shall survey the monuments prior to construction activities. Monuments shall be replaced and verified after construction. Initial and final survey data shall be supplied to the ENGINEER prior to acceptance of the survey monuments.

END SECTION – 02280

SECTION 02513 - ASPHALTIC CONCRETE PAVING

PART 1 - GENERAL

1.1 SUMMARY

- A. General work included in this Section:
 - 1. Temporary patch
 - 2. Subgrade preparation for paving.
 - 3. Asphaltic concrete paving for roads, parking areas and other incidental structures, as indicated in the Contract Documents.
 - 4. Restoration of pavement in streets, driveways, and parking lots.
 - 5. Repair existing pavements, roads, driveways, and curbs that are removed or damaged during construction to their original or better condition.
 - 6. Sand seal.
 - 7. Adjustment of manholes, water valve and sewer cleanout boxes.
 - 8. Application of pavement marking paint.

- B. Related Sections include but are not necessarily limited to:
 - 1. Division 0
 - 2. Division 1
 - 3. Section 01026 – Unit Prices

1.2 QUALITY ASSURANCE

- A. Requirements of Regulatory Agencies:

Comply with applicable requirements of Washoe County, Nevada, for work in rights-of-way.

- B. Reference Standard:
 - 1. "Standard Specifications for Public Works Construction," (Orange Book) adopted by Washoe County, latest edition.
 - 2. "Standard Specifications for Road and Bridge Construction," (NDOT), published by Nevada Department of Transportation, latest edition.

1.3 SUBMITTALS

- A. Product Data:
 - 1. Asphalt mix design for new construction, overlays and patching.
 - a. Asphalt mix design

- b. Slurry seal mix design
 - c. Testing Laboratory
 - d. Location and source of aggregate
 - e. Supplier, grade of asphalt cement
 - f. Individual and combined aggregate gradations
 - g. Job mix formula
 - h. Aggregate and design mix results and soil analysis
 - i. Complete set of calculations
2. Materials Test Report (including sieve analyses)
- a. Coarse Aggregate
 - b. Fine Aggregate
- B. Manufacturer's information on materials and application rates and methods of slurry seal.

1.4 JOB CONDITIONS

- A. Weather Limitations:
- 1. Do not apply when underlying surface is muddy, frozen, or wet.
 - 2. Conform to temperature requirements of reference standards and manufacturer's requirements for each type of work to be done.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Asphaltic concrete: In accordance with referenced specifications, Drawings, and as described below:
- 1. County Right-of-Way (ROW) and private property:
 - a. AC20 or AR4000 asphaltic cement in amounts generally between five and seven percent (5% and 7%).
 - b. Aggregates to be Type 2 plant mix per Section 200.01 of Orange Book.
 - c. Mix design subject to approval by ENGINEER. 1.5% hydrate lime to be added to all asphalt concrete At the CONTRACTOR's option and expense, an anti-stripping agent may be substituted for the hydrated lime. The CONTRACTOR shall provide test results of the aggregate utilizing the Modified Lottman Method showing sixty percent (60%) retained strength.
 - i. Marshall stability (lbs.).....1.500 min.
 - ii. Marshall flow (inches).....0.08 min./0.20 max.
 - iii. Percent voids (total mix).....3 to 5 percent
 - iv. Percent voices filled w/asphalt.....75 to 85 percent
- B. Crack Filler material to be rubberized asphalt joint sealant Craftco Inc. Parking Lot Sealant Part No. 34200, equivalent, or equal.
- C. Temporary Asphalt Concrete material to be per Washoe County Standard.

- D. Aggregate base:
 - 1. Type 2 Class B per Section 200.01 of Orange Book in County ROWs and private property.
 - 2. Type 2 Class B per Section 704 of NDOT Specifications.
- E. Fog Seal: SS-1h per Section 201.04 of Orange Book.
- F. Tack Coat: SS-1h per Section 201.04 of Orange Book.
- G. Slurry Seal: Cold applied composition of refined petroleum asphalt emulsion, fillers and fibers.
 - 1. Type II Slurry Seal per plans.
 - 2. Emulsified asphalt binder shall conform to Standard Specification for SS-1h.
- H. Sand Seal per Orange Book Section 200.02.04, sand seal aggregate or sand blotter.
- I. Traffic Paint:
 - 1. In County ROW: Per Section 214 of Orange Book.
 - 2. In Highway ROW:
 - a. Temporary Marking Paint per Section 636 of NDOT Specifications.
 - b. Permanent Marking Film:
 - c. 380 Ceramic Bead Tape manufactured by 3M Company.

2.2 TEMPORARY PAVEMENT CONSTRUCTION

- A. When permanent pavement is not part of the Contract:
 - 1. In County Right of Way.
 - 2. Temporary pavement to be in place same day as work is completed.
 - 3. Thickness to be same as existing asphalt, or 4" thick, whichever is greater.
 - 4. Temporary pavement to be placed on top of 6" aggregate base, compacted to 95%.
 - 5. CONTRACTOR to maintain temporary pavement until permanent pavement is placed by Washoe County.
 - 6. CONTRACTOR to set valve boxes to finish grade and install concrete collar as specified, according to Washoe County detail on Plans.

PART 3 - EXECUTION

3.1 TEMPORARY RESURFACING

- A. Temporarily resurface trench on the same day trench is backfilled.
- B. Per Section 305.16 of Orange Book.
- C. Road to be open to traffic within a couple of hours after backfill.
- D. Place trenchplates as needed.

3.2 PAVING CONSTRUCTION

- A. Construct to line, grade and typical section, as indicated.
- B. County ROW and private properties:
 - 1. Pavement repair will begin no later than seven (7) days after CONTRACTOR has completed the schedule of work.
 - 2. Sawcut existing pavement (full thickness) where delineated by Engineer, and as required in Washoe County Street Cut Permit, a minimum of nine inches (9") undisturbed along the trench alignment. Remove and dispose of material.
 - 3. Sawcut additional pavement areas (full thickness) disturbed during construction as identified by ENGINEER or Washoe County. Example: Rocks intruding into trench. Remove and dispose of material.
 - 4. Repair subgrade as required. Additional pavement areas to be repaired will be excavated to a depth necessary to backfill and compact any voids. Place six inches (6") of aggregate base material and compact to 95%, asphalt to be replaced will match existing thickness within the limits of 4" minimum and 8" maximum.
 - 5. Spread a tack coat uniformly on existing bituminous or concrete surfaces at a rate of 0.05 to 0.10 gallon per cubic yard, in accordance with Section 316 of the Orange Book.
 - 6. Place asphalt surface course on top of concrete sand slurry trench backfill or aggregate base in two-inch (2") minimum lifts, three-inch (3") maximum lifts, in accordance with Section 320 of the Orange Book.
 - 7. After paving is completed, CONTRACTOR will raise to grade and install concrete collars on all valve boxes, meter boxes and ARV boxes, as shown on Details.

3.3 Crack Filling

- A. Cleaning Cracks:
 - 1. Preparation will be as specified in Manufacturer's Application Instructions.
 - 2. Clean with a combination of routing cracks, greater than 1/4" width, with approved equipment and cleaning with a steel brush and high-pressure air.
 - 3. Minimum depth shall be one inch (1") or twice the width of the crack, whichever is greater.
 - 4. All previously-applied sealant, sand, asphalt, dirt, weeds, and other contaminating materials shall be removed.
 - 5. Route all cracks 3/8" to 1" thick.
- B. Filling Cracks:
 - 1. Installation will be as specified in Manufacturer's Application Instructions.
 - 2. Fill all cracks within two (2) hours of cleaning.
 - 3. Ensure that sealant completely penetrates the routed portion of the crack. Fill crack from bottom to top without formation of voids and air pockets.

4. Sealant width shall not exceed one-half inch (1/2") beyond crack on either side.
5. Sealant height shall not exceed one-eighth inch (1/8") above the pavement surface.
6. Crack will be filled completely and leveled off.

3.4 CLEAN-UP

- A. Immediately following sawcut of roadways and driveways, the pavement shall be cleaned of all sawcut, slurry and debris.
- B. After paving, the roadway shall be cleaned from excess asphalt and base materials.

END OF SECTION 02513

SECTION 02710 - AGGREGATE BASE COURSE

PART 1 – GENERAL

1.1 DESCRIPTION

- A. Description of Work: The work to be performed in accordance with this section includes furnishing, placing, and compacting an aggregate base course to plan grades and cross sections.

This work shall include the furnishing of all labor, tools, equipment, materials and performing all operations required to provide a complete item in accordance with the Project Plans and Specifications.

- B. Related Sections:
- | | | |
|----|-------------------------|---------------|
| 1. | Asphalt Concrete Paving | Section 02740 |
| 2. | Concrete | Section 03300 |
- C. Applicable Additional Specifications: SSPWC “Orange Book” Sections 308 – Untreated Base Course and 302 – Subgrade Preparation.

1.2 QUALITY ASSURANCE

- A. Reference Test Standards and Specifications: The publication listed in SSPWC “Orange Book” form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only. Compliance sampling and testing during construction will be provided by the Owner per SSPWC Section 336.00.
- B. Frequency of Testing
1. Maximum Dry Density and Optimum Moisture Content, ASTM 1557.
 - a. Contractor shall provide documentation that one test for each different class or type of material has been performed, and
 - b. Contractor shall have one test performed when previous test is suspect, due to subtle changes in the material, as determined by the Engineer.
 2. Density of Soil In-Place by Sand Cone or by Nuclear Methods, ASTM D1556 or D2922 by Owner.
 - a. The Engineer requests a minimum of one test per 500 linear feet of embankment or fill.
 - b. The Engineer may test more frequently.
- C. Testing Tolerances
1. Percent Compaction. Not less than as specified on Plans, these Specifications, or the SSPWC.
 2. In-Place Moisture Content. As required to achieve minimum compaction.
 3. Soft or Yielding Surfaces. Regardless of the percent compaction obtained by test, areas which are soft and yield under the load of construction equipment are to be removed and replaced at no additional cost.

1.3 SUBMITTALS

- A. Materials Test Report. Report on maximum dry density, optimum moisture content, gradation, and R-value prior to beginning of construction.

PART 2 – MATERIALS

2.1 AGGREGATE BASE

- A. Aggregate Base shall be free from organic matter and other deleterious substances, and shall be of such nature that it can be compacted readily under watering and rolling to form a firm stable base.
- B. Aggregate shall conform to the grading and quality requirements found in Section 200.01 Type 2, Class B Aggregate Base, or Recycled Aggregate Base.

PART 3 – EXECUTION

3.1 PRELIMINARY INVESTIGATION OF THE WORK

- A. The Contractor is to satisfy himself/herself that all preliminary work including, but not limited to, clearing, grubbing, subgrade preparation and staking has been performed in accordance with these Specifications prior to subgrade preparation.

3.2 AGGREGATE BASE PREPARATIONS

- A. All work shall conform to the following subsections of SECTION 308 – Untreated Base Course, of the SSPWC.
- B. During moisture conditioning of the base material take care so as not to damage the subgrade below. Contractor shall be responsible for over watering of grade during operations.
- C. Deficiencies. Remove and replace deficiencies prior to placement of the pavement. Deficiencies in the base course, covered by asphalt paving or concrete will be removed and replaced at no additional cost to the Owner.
- D. Aggregate base shall be placed to the thickness shown on the drawings.

— END SECTION 02710 —

SECTION 03300 - CONCRETE

PART 1 – GENERAL

1.1 DESCRIPTION

- A. This Section covers all the work necessary for the cast-in-place non-reinforced and reinforced concrete work including, but not limited to: furnishing the materials; proportioning, mixing, transporting, placing, compacting, finishing, curing, and protecting the concrete; setting and fastening embedded items; and all incidental and related work.

The CONTRACTOR shall provide all laboratory and field testing of concrete and materials in accordance with this Specification.

- B. Related Sections:
1. Aggregate Base - Section 02710
- C. Applicable Additional Specifications: SSPWC “Orange Book” Sections 312 – PCC Flatwork, Curbs, Ditches, and Slope Paving.

1.2 QUALITY ASSURANCE

- A. Compliance sampling and testing during construction will be provided by the OWNER per SSPWC Section 336.00.
- B. Testing: The OWNER shall provide testing to determine compliance with the following criteria:
1. Consistency: Tested for slump in accordance with ASTM C143.
 2. Air Content: Determine the percentage of air in accordance with ASTM C231.
 3. Strength: All poured-in-place concrete shall develop a minimum 28-day compressive strength of 4,000 pounds per square inch (PSI) unless otherwise indicated. Take samples for this strength determination at the point of discharge from the ready-mix truck. Obtain a minimum of four (4) test cylinders for each fifty (50) cubic yards of concrete placed or fraction thereof. Test one (1) cylinder at 7 days, and two (2) cylinders at 28 days. Hold the fourth cylinder until the Notice of Completion is given. In the event that the 28-day test fails, the required minimum strength requirement, test the fourth cylinder for compressive strength when directed by the ENGINEER. The ENGINEER may waive concrete cylinder testing requirements for pours less than ten (10) C.Y. for non-structural installations (thrust blocks, etc.). Making and curing the test cylinders shall conform to ASTM C131, and testing shall conform to ASTM C39. Furnish two (2) copies of all test reports to the ENGINEER.
 4. Water Test: Water test gutters having a slope of 0.8 foot per hundred feet or less, or where unusual or special conditions cast doubt on the capability of the gutters to drain. Establish flow in the length of gutter to be tested by supplying water from a hydrant, tank truck or other source. One hour after the supply of water is shut off, inspect the gutter for

evidence of ponding or improper shape. In the event water is found ponded in the gutter to a depth greater than 1/2 inch, or on the adjacent asphalt pavement, the defect or defects shall be corrected in a manner acceptable to the ENGINEER at no additional cost.

C. Tolerances:

1. Tolerances for Formed Surfaces: Conform to ACI 301, Table 4.3.1. and Section 312.10 "Finishing" of the SSPWC.
2. Concrete Quality: Meet or exceed the minimum quality standards as specified.
 - a. Slump. The measured slump shall not exceed the specified design slump by more or less than one inch (1 ").
 - b. Air Content. The measured air content shall range between 4 and 7 percent.
 - c. Compressive Strength - Normal Concrete. The average of the two (2) 28-day compressive strength tests shall not be less than 4,000 PSI. No individual test shall be less than 3,800 PSI.

D. Acceptance

1. Plastic or hardened concrete not meeting acceptable tolerances will be rejected and immediately removed and replaced at the CONTRACTOR's expense.

1.3 SUBMITTALS

- A. The following submittals are required in accordance with Section 01340, "Submittals".

Certificates of Compliance:

1. Admixtures
2. Cement
3. Fly Ash
4. Pozzolan
5. Water Stop
6. Reinforcing Steel, or Mesh
7. Fiber Reinforcement

B. Materials Test Reports:

1. Coarse Aggregates
2. Fine Aggregates

C. Evaporation Retardant

D. Mix Designs:

1. SSPWC, Section 202. ACI 211 normal weight concrete, including variations for admixtures. Include compressive strength test date and modulus of rupture test data. obtained at the same concrete age which establishes a correlation between the flexural and compressive strength

properties of concrete. Establish correlation with statistical procedures outlined by ACI.

PART 2 – PRODUCTS

2.1 CONCRETE

- A. Provide a minimum 28-day comprehensive strength of 4,000 PSI with entrained air ranging from 4 to 7 percent unless otherwise indicated. Use 3/4" inch maximum coarse aggregate, size 67. Provide minimum cement content of 517 pounds per cubic yard. Provide concrete with the minimum required slump to adequately place, densify, and finish. Do not exceed the mix design water cement ratio (W/C) or design slump. Per "Orange Book" concrete in freeze/thaw environments shall have a maximum slump of 4". Min. slump shall be greater than 1". Mix Design shall include microfibers.

2.2 CEMENT

- A. Conform to ASTM C150, Type II.

2.3 WATER

- A. Use clear water free from objectionable quantities of organic matter, alkali, acids, oil, silt, and other deleterious substances. Maximum water/cement ratio shall be 0.45.

2.4 AGGREGATES

- A. Coarse Aggregate: Conform to the requirements of ASTM C33, Class Designation 4S, grading size number 67.
- B. Fine Aggregate: Conform to ASTM C33.

2.5 ADMIXTURES

- A. Air Entraining Agent: Comply with ASTM C260.
- B. Accelerating Agents: Comply with ASTM D98.
- C. Water Reducing Agents: Conform to ASTM C494, Type A, D, or E.
- D. Fly Ash and Pozzolan: Comply with ASTM C618, Class N or F. Pozzolan may be used to replace up to 15 percent of the weight of the required Portland cement. The replacement ration shall be 1.2 pounds of Pozzolan per pound of Portland cement.

2.6 CURING COMPOUND

- A. The curing compound shall be transparent and not leave an objectionable discoloration or mottling of the concrete. [Per NDOT 702.03.01].

2.7 STEEL REINFORCEMENT

- A. Conform to the requirements of ASTM A615, Grade 60, unless otherwise specified, and deformations shall conform to ASTM A615, A616, or A617 as applicable. All bars shall be round and deformed. Welded wire fabric or mesh shall conform to the requirements of ASTM A185.

2.8 FORMS

- A. Forms shall be constructed of plywood or an approved equal. Plywood for forms shall be of the grade necessary to provide a neat concrete exterior. Forms shall be of the quality and strength required so that the finished concrete will conform to the plan dimensions. Forms shall be watertight and be filleted at all exposed outside corners.
- B. Form clamps or bolts shall be used. Use of tie wire to hold forms in place will not be permitted.
- C. Plywood form panels shall be placed in four (4) foot widths and eight (8) foot lengths where applicable. All form panels shall be placed in a neat symmetrical pattern.

2.9 NON-SHRINK GROUT

- A. Use non-shrink grout where grout is called for on the Drawings. Provide 3,000 PSI non-metallic grout similar to “Embeco” manufactured by Master Builders Company, or an approved equal, and proportioned and placed in accordance with the manufacturer's recommendations.

2.10 CURING MATERIALS

- A. Provide liquid curing compound in conformance with ASTM C309, type 1 D.

2.11 JOINT FILLERS

- A. Comply with ASTM D1751.

2.12 EVAPORATION RETARDANT

- A. Con-film or approved equal. ACI 302.

2.13 FIBER REINFORCEMENT

- A. Comply with ASTM C1116, Type III, Shall be 100% virgin polypropylene fibrillated, MD Graded, fibers containing no reprocessed olefin materials and specifically manufactured to an optimum gradation for use as a concrete secondary reinforcement, and shall be Fibermesh, or other approved material. Application rate shall be a maximum of 1.5 lbs per cubic yard. The 28-day compressive strength of the mix, prior to adding the fibers, shall meet the required strength.

PART 3 – EXECUTION

3.1 GENERAL

- A. Match existing concrete where noted.
- B. Sawcut and remove existing concrete to the lines indicated on the plan in accordance with Section 02220, Demolition and Salvage. Sawcut, remove and replace sections damaged by construction in accordance with these specifications.

3.2 BASE PREPARATION

- A. Subgrade shall be prepared in accordance with Section 02710, Aggregate Base Course.
- B. CONTRACTOR shall verify, and provide as necessary, a minimum base section for the replacement of existing curb & gutter and valley gutter sections.

3.3 FORM CONSTRUCTION/REMOVAL

- A. Unless otherwise approved, use conventional forms to construct concrete curb, gutter, sidewalk and drives. Secure formwork to line and grade. Thoroughly clean forms before each use and apply a light coat of release agent which will not discolor the concrete.
- B. Do not remove front face form before the concrete has taken in initial set and has sufficient strength to carry its own weight. Do not remove gutter forms or rear forms until concrete has reached sufficient strength to prevent damage. Sawcut, remove and replace damaged sections.

3.4 STEEL REINFORCEMENT

- A. Storage: Store steel reinforcement on blocking and under cover to prevent rusting.
- B. Cleaning: Remove all rust, oil, earth, and coatings before positioning the metal reinforcement. Reinspect and clean the reinforcement immediately before placing the concrete.
- C. Straightening and Rebending: Do not straighten or rebend metal reinforcement in a manner that will injure the material. Remove bars from the job site, which do not have kinks or bends conforming to the Drawings.

3.5 MEASURING, MIXING, TRANSPORTATION AND PLACING CONCRETE

- A. Measure and mix concrete in accordance with ASTM C94. Additional water may be added to bring slump within the required limits provided the design water to cement ratio is not exceeded.

- B. Transportation: Transport concrete in accordance with ACI 301.
- C. Placing Concrete:
 - 1. Place concrete in conformance with ACI 301, except as modified herein. Do not exceed a free vertical drop of 6 feet from the point of discharge. The maximum allowable concrete temperature at the time of discharge shall be 90°F. The maximum allowable concrete age, measured from batch time to time of discharge, shall not exceed one (1) hour 30 minutes. Exceeding the maximum allowable concrete age, temperature, or slump shall be cause for immediate rejection. The minimum revolutions on a batch prior to placement is 30 to 70 revolutions and the maximum is 300 revolutions. Provide 30 revolutions after the addition of water.
 - 2. Retempering the mix after initial slump adjustment will not be allowed.
- D. Machine Formed: Machines shall be designed specifically for such work and approved by the ENGINEER. Machines shall be capable of producing results equal to or better than that produced with forms. If the results are not satisfactory to the ENGINEER, discontinue the use of the machine and make necessary repairs at no additional cost to the Agency. All applicable requirements of construction with forms shall apply to the use of machines.
- E. Densification: Thoroughly spade concrete away from the forms so there will be no rock pockets next to the forms. The concrete may be compacted by mechanical vibrators approved by the ENGINEER. Tamp or vibrate the concrete until the mortar rises to the surface and the coarse aggregate is not exposed.
- F. Cold Weather: Except with authorization, do not place concrete when the ambient temperature is below 40 degrees F or when the concrete is likely to be subjected to freezing temperatures within 24 hours. Cold weather concreting shall follow the recommended practices of ACI 3068, as approved by the ENGINEER.
- G. Hot Weather: Hot weather concreting shall follow the recommended practices of ACI 3058, as approved by the ENGINEER.

3.6 BACKFILLING

- A. Concrete curb and gutter shall be backfilled no earlier than four (4) days after concrete placement. Backfill all curb and gutter as shown on the Contract Drawings and prior to constructing tie-in paving.

3.7 FINISHING

- A. Finish all concrete surfaces smooth, straight and defect free. Provide a light broom finish as approved by the ENGINEER on all surfaces. Finish all exposed edges and joints with a 1/2-inch radius tool.
- B. Evaporation Retardant: Protect against loss of moisture from the surface of the concrete by applying an evaporation retardant. Apply per manufacturer's recommendation. Add during finish of concrete. CONTRACTOR is not permitted to use water in the finishing of the concrete.

3.8 CONCRETE CURING

- A. A curing agent shall be applied to each section as it is finished.
- B. Inadvertently Cured Surfaces: Thoroughly clean advertently cured concrete by sandblasting prior to finishing or placing adjacent concrete.
- C. No equipment causing jarring of the concrete shall be permitted adjacent to concrete curbs, gutters, valley gutters, or driveways until the 4th day following placement of the concrete. The placement of bituminous pavement adjacent to concrete curbs, gutters, valley gutters, or driveways shall not be permitted until the 7th day following the placement of the concrete.

3.9 JOINTS

- A. Expansion Joints: Construct expansion joints in a straight line and vertical plane perpendicular to the longitudinal line, of the sidewalk or curb and gutter, except in cases of curved alignment, when joints will be constructed along the radial lines of the curve. Construct to the full depth and width of the concrete. Match the joints in the adjacent pavement sidewalk or curb and gutter. Expansion joints shall be constructed at intervals not to exceed 40 feet when curb is hand formed, at all radius points, driveways, alley entrances, and adjoining structures.
- B. Contraction Joints: Construct in a straight line and vertical plane perpendicular to the longitudinal line of the sidewalk or curb and gutter, except in cases of curved alignment when joints will be constructed along the radial lines of the curb. Construct to a depth of one (1) inch and at ten (10) foot intervals on side walk widths of five (5) feet and twelve (12) foot intervals on sidewalks of four (4) feet, five (5) feet, or six (6) feet, matching the width of the sidewalk, or as otherwise noted on the plans.
- C. Edges: Shape with a suitable tool so formed as to round the edges to the radius indicated.
- D. Sidewalks. Sidewalks shall have a cross-slope of 1/4 inch per foot or as indicated on the Plans. Unless specified otherwise in the plans, the minimum thickness for concrete walk shall be four (4) inches.

3.10 TEMPORARY ACCESS

- A. Access to driveways/roadways/alleys shall be maintained prior to and after placing concrete curb, gutter, valley gutters, sidewalks, and driveways. Steel plates may be used over valley gutters or driveway sections that are poured to allow for temporary access and must remain in place a minimum 7 days following the placement of concrete. Temporary access shall be maintained until restorations are complete.

3.11 DELIVERY TICKETS

- A. Provide a delivery ticket to the inspector for every load of concrete delivered to the job site. Include the following on the delivery ticket: date, batch time, mix

I.D. number, specified strength, air content, job name, water content, and amount of concrete. The tickets are to have the actual batch weights of all aggregates, cement, water, admixtures, and batch plant moisture correction for aggregates. Provide allowance for drum moisture from previous batches. Include the reading of the truck revolution counter at the time of batching.

— END SECTION 03300 —