

# NEVADA DEPARTMENT OF TRANSPORTATION

## INVITATION TO BID

### Contract No. 3983

US 395, North of Reno, from McCarran to Golden Valley Structure, in Washoe County

Construct Northbound and Southbound auxiliary lanes, Southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation

Engineer's Estimate: R44 (\$145,000,000.01 to \$175,000,000.00)

This project has a Disadvantaged Business Enterprise (DBE) Goal of 8.00%.



For questions regarding bid preparation, obtaining plans, specifications and project documents, please contact:

NDOT Contract Services  
1263 South Stewart Street, Room 101  
Carson City, NV 89712  
Phone: (775) 888-7070  
Hours: 8:00am – 5:00pm Monday to Friday

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## **BID PREPARATION**

***The bid opening date and time for this project (unless modified by an addenda) is June 8, 2023, 1:30:00 PM, PDT. It is the responsibility of the Contractor to ensure their bid, subcontractor reports and any supporting documentation is received by the Nevada Department of Transportation (NDOT) via the Electronic Bidding System (iCX) no later than the submittal deadlines. NDOT will not be responsible for bids and reports not completed and/or successfully transmitted by the deadline for submittal.***

***The right is reserved to reject any or all proposals, or to accept the proposal deemed best for the interests of the State of Nevada.***

***All bids are subject to NDOT verification.***

**PLEASE NOTE:** Payment for Item #1100050 TRAINING is required by Section 110.03 of the Standard Specifications and by Section 140 of Title 23, USC, as established by Section 22 of the Federal-Aid Highway Act of 1968 will be made at a rate of \$0.80 per hour. Any bid submitted with an amount other than the specified rate will be adjusted to \$0.80 per hour for this bid item.

1. There will be a MANDATORY pre-bid conference on this contract. **You must attend this pre-bid conference if you wish to bid on this contract.** The conference will be held at District II – Construction Conference Room, 305 Galletti Way, Reno, NV 89512, on May 24, 2023 at 9:00 am PDT. The pre-bid conference is open to all interested parties and is being held for the purpose of discussing plans and specifications.
2. Contractors and subcontractors are required to hold a valid Contractor's license of a class corresponding to the work to be done, in accordance with the provisions of NRS 624, prior to being awarded a contract.
3. All bidders must be prequalified in accordance with the provisions of NRS 408, and the prequalification statement must be current through the date the contract is awarded.
4. Bidders are responsible to comply with all Federal, State, County and Local laws, statutes, policies and procedures required to perform the scope of work. All bidders must comply with the requirements of doing business in Nevada, as directed by the Office of the Secretary of State (including a State Business License), and any other County or Local agencies as may be applicable.
5. All Contractors doing business in Nevada must have a Federal Tax Identification Number.
6. Carefully review the accompanying plans and specifications for this contract. Any questions regarding the project must be submitted in writing via the Department's website at <http://www.nevadadot.com/doing-business/contractors-construction>. Questions should be submitted before 4:00pm Pacific Time 10 days prior to the scheduled bid opening to ensure an answer. Questions submitted after the deadline will be answered at the discretion of the Project Manager.
7. The 1982 Surface Transportation Assistance Act provides that on this project the "Buy America" portion of the Act shall apply to certain products incorporated in the finished work. Prospective bidders' attention is directed to Subsection 106.12 of the Standard Specifications.
8. The following signed certification is required of the person, firm, association or corporation in order for the bid to be considered responsive:
  - Anti-Collusion Affidavit
  - Restrictions on Lobbying Using Appropriated Federal Funds

9. All proposals must be accompanied by a proposal guaranty (bid bond or other guaranty) made unconditionally payable to the Nevada Department of Transportation in the amount equal to 5% of total bid amount. The guaranty may be cash, cashier's check, certified check, money order, bank draft, an undertaking executed by a corporate surety company authorized to do business in the State of Nevada, an electronic bid bond validated with Surety 2000 or SurePath, or any other guaranty that may be especially approved by the Department. Such proposal guaranty is to be forfeited to the Department should the bidder to whom the contract is awarded fail to enter into the contract within 20 days of the award of the contract.
10. No bids can be accepted after the time set for opening bids. Electronic bids cannot be submitted to the vault after the bid opening time. NDOT cannot make any exceptions due to bidder's internet services or any other emergency situations.
11. The successful bidder will enter into a contract with NDOT using the standard contract form, a draft of which is included in this document.

## **DOCUMENTS INCORPORATED INTO THE CONTRACT**

1. The Qualified Products List (QPL) dated March 15, 2023, shall be used on this contract.
2. A Geotechnical Memorandum titled "Final Geotechnical Design Report, US 395 North Valleys, Washoe County, Nevada" dated January 2023, has been prepared and made available on the NDOT website at <https://www.dot.nv.gov/home/showpublisheddocument/21096/638100723151670000>
3. A Geotechnical Memorandum titled "Geotechnical Design Report, Phase 1B: US395 North Valleys, Washoe County, Nevada" dated August 2020, has been prepared and made available on the NDOT website at <https://www.dot.nv.gov/home/showpublisheddocument/18026/637346615318730000>
4. A Geotechnical Memorandum titled "Geotechnical Design Report, US-395 G-1092 and I-1093 MSE Abutment Walls, Washoe County, Nevada" dated January 2023, has been prepared and made available on the NDOT website at <https://www.dot.nv.gov/home/showpublisheddocument/21082/638095365187400000>
5. A Geotechnical Memorandum titled "I-3262 MSE Wall Design, US395 North Valleys Project, Washoe County, Nevada" dated September 2022, has been prepared and made available on the NDOT website at <https://www.dot.nv.gov/home/showpublisheddocument/21084/638095365196330000>
6. A Geotechnical Memorandum titled "Sound Wall Design Memo, Rev. 1., US395 North Valleys Project, Washoe County, Nevada" dated November 2022, has been prepared and made available on the NDOT website at <https://www.dot.nv.gov/home/showpublisheddocument/21086/638095365206930000>
7. A Hazardous Materials Survey titled "Bridge G-1092 NS survey" dated May 2020, has been prepared and made available on the NDOT website at <https://www.dot.nv.gov/home/showpublisheddocument/21180/638122438984130000>
8. A Hazardous Materials Survey titled "Bridge I-1093 NS survey" dated February 2023, has been prepared and made available on the NDOT website at <https://www.dot.nv.gov/home/showpublisheddocument/21184/638122439088670000>
9. A Hazardous Materials Survey titled "Bridge G-1748 NS survey" dated February 2023, has been prepared and made available on the NDOT website at <https://www.dot.nv.gov/home/showpublisheddocument/21182/638122439033030000>

# **DOCUMENTS TO ASSIST IN BID PREPARATION**

1. Transportation Management Plans (TMP) \* (see disclaimer below)
2. CADD files \* (see disclaimer below)
3. Project Workforce (Apprenticeship Utilization Act of 2019):
  - a. AUA Project Workforce Checklist (form attached)
  - b. AUA Request for Waiver (form attached)  
also available at:  
<https://www.nevadadot.com/doing-business/external-civil-rights/contract-compliance>
4. Other files \* (see disclaimer below)
  - a. Informational Purposes Only Documents
  - b. Flood Control
5. The FHWA Publications “Manual on Uniform Traffic Control Devices, 2009 (MUTCD)” and the “Standard Highway Signs” may be purchased using links provided at:  
<http://mutcd.fhwa.dot.gov/ser-pubs.htm>.
6. The “Rental Rate Blue Book” may be purchased from Equipment Watch at: <https://equipmentwatch.com>, or by calling 1-800-669-3282.
7. The Nevada Sign Supplement, 2006, is available at:  
<http://www.nevadadot.com/home/showdocument?id=4462>
8. The following is a list of documents available for purchase from NDOT Contract Services:

• Standard Specifications for Road and Bridge Construction, 2014, Edition**	\$20.00
• Digital Elevation Models (Disclaimer and Agreement required at time of purchase)	\$10.00
• Standard Plans for Road and Bridge Construction, 2017**	\$15.00
• Construction Stakeout Manual	\$ 7.00
• Construction Site Best Management Practices Manual (BMPs)	\$30.00

\*\*also available at no charge in pdf format at:  
<http://www.nevadadot.com/doing-business/about-ndot/ndot-divisions/engineering/design/standard-specifications-and-plans>
9. Employment lists may be obtained from the Nevada Department of Employment, Training and Rehabilitation.

## **\*DISCLAIMER**

Additional electronic engineering data—plans, profiles, maps, digital elevation models, images, and their associated cartographic or survey information—compiled for specific Nevada Department of Transportation (NDOT) applications only, are available for download for the above referenced contract. Documents or links can be found on the Contract Documents tab on the website here: <https://www.nevadadot.com/doing-business/contractors-construction/contract-services/bid-letting>. They are for informational purposes only.

This digital information is furnished by NDOT and/or its representatives as a courtesy and is accepted or used by the recipient with the understanding that the State of Nevada and/or its representatives make no warranties, expressed or implied, concerning the accuracy, completeness, reliability or suitability of this data, of its constituent parts, or of any supporting data. Recompilation of the raw data provided, exceeding the Horizontal/Vertical metadata accuracies and portraying it as a separate dataset or improved dataset, is prohibited.

Further, the reselling of this data is prohibited. Should one make use of this information in any submittal report, or other document, such submittal, report or other document shall bear the stamp of a professional

engineer licensed to practice in the State of Nevada, certifying said information is accurate and signifying the assumption of any and all risk and liability with respect to the provision and use of the information.

Furthermore, the recipient agrees that it will make no claim against NDOT and/or its representatives arising from the related use of the information whether sounding in contract, tort or any other legal theory, and expressly waives any and all such claims.

The recipient shall indemnify NDOT and/or its representatives and it shall be liable for all costs and attorney's fees incurred in the defense of and in securing dismissal of such claim whether brought by the undersigned company or any entity to whom the undersigned company sold or otherwise provided this data.

## **CIVIL RIGHTS AND LABOR COMPLIANCE**

No person in the United States shall, on the basis of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity, for which the Department receives Federal financial assistance from the USDOT.

### **Title VI and USDOT Order 1050.2**

The Nevada Department of Transportation, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability or national origin in consideration for an award.

**USDOT ORDER 1050.2**  
**APPENDIX A**

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, the Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination Prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non- discrimination on the basis of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability or national origin.
4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
  - a. withholding payments to the contractor under the contract until the contractor complies; and/or
  - b. cancelling, terminating, or suspending a contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

## USDOT ORDER 1050.2 APPENDIX E

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

### **Pertinent Non-Discrimination Authorities:**

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

### **AFFIRMATIVE ACTION AND EQUAL EMPLOYMENT OPPORTUNITY**

The Department will on its own initiative, take affirmative action, including the imposition of contract sanctions and the initiation of appropriate legal proceedings under any applicable State or Federal law to achieve Equal Employment opportunity on all Projects and will actively cooperate with the Federal Highway Administration in all investigations and enforcement actions undertaken by the Federal Highway Administration. In conjunction with the above statements, the Department will not issue plans to an irresponsible bidder. Subsection (B) of Section 112 of Title 23 United States Code has been amended by adding at the end thereof, the following: "Contracts for the construction of each project shall be awarded only on the basis of the lowest responsive bid submitted by a bidder meeting established criteria of responsibility."



NDOT will, in addition to the other Equal Employment Opportunity provisions which are enumerated elsewhere in the Special Provisions, require an affirmative action program from each Contractor who holds an individual contract or subcontract in excess of \$10,000.00. This program, which included certain specific items relative to this project, can be submitted on the Department-furnished form.

The following requirements apply to the person, firm, association or corporation in order for the bid to be considered.

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE  
EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

**FEMALE PARTICIPATION STATEWIDE**

<b>Time Period</b>	<b>Goal</b>
Until further notice .....	6.9%

**MINORITY PARTICIPATION STATEWIDE**

SMSA Counties, NV Clark .....	13.9%
163 Las Vegas, NV	
4120 Las Vegas, NV	
Non-SMSA Counties, NV Esmeralda, NV Lincoln, NV Nye.....	12.6%
SMSA Counties, NV Washoe .....	8.2%
164 Reno, NV	
6720 Reno, NV	
Non-SMSA Counties, NV Churchill, NV Douglas, .....	9.2%
NV Elko, NV Eureka, NV Humboldt, NV Lander,	
NV Lyon, NV Mineral, NV Pershing, NV Storey,	
NV White Pine, NV Carson City	

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR part 60-4. Compliance with the goals will be measured against the total work hours performed.

The Contractor shall provide written notification to the Director of the Nevada Department of Transportation and the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability or national origin. The

contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity or expression, age, disability or national origin. Such action 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. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

- (2) The contractor will, in all solicitations or advancements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity or expression, age, disability or national origin.
- (3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The contractor will comply with all provisions of Executive Order No. 11246 of Sept. 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (7) The contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States." [Sec. 202 amended by EO 11375 of Oct. 13, 1967, 32 FR 14303, 3 CFR, 1966-1970 Comp., p. 684, EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230, EO 13672 of July 21, 2014, 79 FR 42971].

The Contractor shall take such action with respect to any subcontract or procurement as NDOT or the FHWA may direct as a means of enforcing such provisions including sanctions for non-compliance: provided, however, that, in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the Contractor may request NDOT to enter into such litigation to protect the interests of NDOT, and, in addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

## **DISADVANTAGED BUSINESS ENTERPRISES**

The bidder's attention is directed to the Code of Federal Regulations, 49 CFR, Part 26. This project is subject to 49 CFR, Part 26 entitled "Participation by Disadvantaged Business Enterprises in Department of Transportation Programs; Final Rule." The Contractor agrees to ensure that disadvantaged business enterprises as defined in 49 CFR, Part 26 have an equal opportunity to participate in the performance of the contracts and subcontracts financed in whole or in part with Federal funds. The requirements for compliance

are contained in Subsections 102.03, 102.16, and 103.08 of the Standard Specifications and in the Additional Contract Provisions appended to the Special Provisions.

Bidders are required to submit DBE information via the NDOT Electronic Bidding System (iCX) at the time of bid submittal. Good Faith Effort (GFE) supplemental documentation, if applicable, and DBE confirmation Documentation must be submitted to NDOT no later than 5:00 pm on the next business day following the bid opening.

## **OSHA/MSDS REQUIREMENTS**

In compliance with the multi-employer worksite provisions of the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard 29 CFR Part 1910.1200 (e) (2) the Contractor is required to provide current Material Safety Data Sheets (MSDS) for all hazardous chemicals [as defined in 29 CFR Part 1910.1200 (c)] to be used by the Contractor in this contract. It will be the Contractor's responsibility to submit a list of all hazardous chemicals to be used on this contract 7 days in advance of the pre-construction conference. MSDS must be submitted prior to the beginning of any phase of work which requires the use of the hazardous chemical. An MSDS shall be submitted prior to use of the hazardous chemical on the contract, for any additional hazardous material not covered by the original list.

## **CLEAN WATER ACT**

The bidder's attention is directed to Sections 401 and 404 of the Clean Water Act (CWA). This contract must be constructed under a United States Army Corps of Engineers nationwide permit obtained by the Department subject to conditions outlined in Subsection 108.04 of the Standard Specifications. This contract must be constructed pursuant to the Nevada Division of Environmental Protection's 401 Water Quality Certification obtained by the Department subject to conditions outlined in Section 637. Compliance with all rules, regulations, special stipulations and laws pertaining to the CWA shall be the responsibility of the Contractor and the cost of said compliance shall not be measured or paid for directly, but the cost thereof shall be considered in the contract unit price bid for other items of work.

If, in the duration of this contract, any change to the project is considered, the party proposing the change shall be responsible for (1) insuring that the project continues in compliance with Sections 401 and 404 of the CWA and (2) any resultant delays and/or increased costs.

## **CLEAN AIR REQUIREMENTS**

This project is located in Washoe County, Nevada. The bidder shall contact the Washoe County District Health Department (Air Quality Division) regarding special considerations concerning air quality requirements in the county.

Compliance with all rules, regulations, special stipulations, and laws pertaining to air quality shall be the responsibility of the Contractor and the cost of said compliance will be measured and paid for as specified in Section 637. Contractor penalties associated with non-compliance of these rules, regulations, special stipulations and laws shall not be sufficient cause for increases in costs or time to the contract.

## **BID PROTESTS**

### **1. Applicability**

This section sets forth the exclusive protest remedies available with respect to this Invitation to Bid. These provisions prescribe the exclusive procedures for protests regarding:

- a) a bidder protesting the determination that the apparent-low bid is responsive to the requirements of this Invitation to Bid and related specifications, or as to whether the apparent-low bidder is responsible, as applicable.
- b) if the Department provides notice of its intention to award a bid to the apparent second-low bidder, the determination that the apparent second-low bid is responsive to the requirements of this

Invitation to Bid and related specifications, or as to whether the apparent second-low bidder is responsible, as applicable.

- c) a bidder's own bid being deemed non-responsive by the Department

**2. Deadlines for Protests**

Protests concerning the issues described in subsection 1(a) must be received by the Department as soon as the basis for the protest is known, but no later than 5:00pm seven (7) calendar days after the announcement of the apparent-low bidder is made. Announcement of the apparent-low bidder will be made by either:

- a) the Unofficial Bid Results being made publicly available, or
- b) direct notification to all bidders, or
- c) in the case of a change to the apparent-low bidder, the updated/revised Unofficial Bid Results being made publicly available.

Protests concerning the issues described in subsection 1(b) must be received by the Department as soon as the basis for the protest is known, but no later than 5:00pm five (5) calendar days after the publishing of a notice of intent to award to the apparent second-low bidder. Announcement of the Department's intention to award to the apparent second-low bidder will be made by either:

- a) the notice of such intention being made publicly available, or
- b) direct notification to all bidders.

Protests concerning the issues described in subsection 1(c) must be received by the Department as soon as the basis for the protest is known, but no later than 5:00pm five (5) calendar days after bidder's receipt of notice that their bid is non-responsive.

Notices under this section will be deemed to be received by the bidder either:

- a) on the day, they are emailed to the person who submitted the bid; or
- b) two (2) calendar days after they are sent via regular mail to the address on file with the Department;  
or
- c) on the day, they are made publicly available; whichever is earlier.

**3. Content of Protests**

Protests filed in accordance with this section must completely and succinctly state the grounds for protest, its legal authority, and its factual basis, and include all factual and legal documentation in sufficient detail to establish the merits of the protest.

All protests must contain the following affirmation:

The undersigned does hereby affirm that the preceding Protest is submitted in accordance with the relevant protest requirements and that foregoing facts cited in this Protest are true and correct to the best of my knowledge.

\_\_\_\_\_ Date Signed

\_\_\_\_\_ Signature

\_\_\_\_\_ Printed Name

**4. Filing of Protest**

The notice of protest must be clearly marked as a "Notice of Protest" and submitted to:

Notice of Protest  
Project/Bid Number \_\_\_\_\_  
Nevada Department of Transportation

Attn: Administrative Services Division Chief  
1263 S Stewart St. #101  
Carson City, NV 89712

A courtesy copy may be sent via email to [NDOTContractServices@dot.nv.gov](mailto:NDOTContractServices@dot.nv.gov).

**5. Burden of Proof**

The protestant has the burden of proving their protest by clear and convincing evidence. The Department may, in its sole discretion, discuss the protest with the protestant and other bidders. No hearing will be held on the protest. The protest will be decided on the basis of written submissions.

**6. Decision on Protests**

The Department Director, or his/her designee, will issue a written decision regarding each protest within thirty (30) calendar days after the receipt of the detailed statement of protest submitted under this section. The decision by the Department Director, or his/her designee, will be final. The written decision of the Department Director, or his/her designee, will be final, binding, and not subject to appeal.

**7. Protester's Payment of Costs**

If a protest is denied, the bidder filing the protest may be liable for the Department's costs reasonably incurred to defend against or resolve the protest, including legal and consultant fees and costs and any unavoidable damages sustained by the Department as a consequence of the protest.

At the sole discretion of the Department, a bidder filing a notice of protest may be required to submit to the Department, at the time the notice of protest is filed, evidence of a bond posted with a good and solvent surety authorized to do business in Nevada or submit other security, in a form approved by the Department. If a bond or other security is required, the Department will hold such bond or other security until a determination is made on the protest. A bond posted or other security submitted with a notice of protest must be in an amount equal to:

- (a) Twenty-five (25) percent of the total value of the bid submitted by the bidder filing the notice of protest; or
- (b) Two hundred fifty thousand dollars (\$250,000); whichever is less.

If the protest is upheld, the bond posted or other security submitted with the notice of protest will be returned to the person who posted the bond or submitted the security. If the protest is rejected, the Department may make a claim against the bond or other security in an amount equal to the expenses incurred by the Department because of the unsuccessful protest. Any money remaining after the claim has been satisfied will be returned to the person who posted the bond or submitted the security.

**8. Rights and Obligations of Bidders**

Each bidder, by submitting their bid, expressly recognizes and agrees to the limitation on its rights to protest provided in this section, and expressly waives all other rights and remedies that may be available to the bidder under Federal and State laws. These provisions are included in the Invitation to Bid expressly in consideration for such waiver and agreement by the bidders. If bidder disregards, disputes, or does not follow the exclusive protest remedies provided in this section, it shall indemnify and hold the Department and its officers, employees, agents, and consultants harmless from and against all liabilities, fees, and costs, including legal and consultant fees and costs and damages incurred or suffered as a result of such bidder's actions. Each bidder, by submitting a bid, shall be deemed to have irrevocably and unconditionally agreed to this indemnity obligation.

A notice of protest filed in accordance with the provisions of this section operates as a stay of action in relation to the awarding or execution of any contract until a determination on the protest is made by the Department. A person who makes an unsuccessful bid may not seek any type of judicial intervention until the Department has made a determination on the protest and awarded the contract.

Neither the Department nor any authorized representative of the Department is liable for any costs, expenses, attorney's fees, loss of income or other damages sustained by a person who makes a bid, whether or not the person files a notice of protest.

## **DEPARTMENT DISCLAIMERS**

This Invitation to Bid does not commit the Department to enter into any contract. The Department assumes no obligations, responsibilities, or liabilities, fiscal or otherwise, to reimburse all or part of the costs incurred or alleged to have been incurred by parties considering a response to and/or responding to this Invitation to Bid. All of such costs shall be borne solely by each bidder.

In no event shall the Department be bound by, or liable for, any obligations with respect to the Project until such time (if at all) as the contract, if any, in form and substance satisfactory to the Department, has been authorized and executed by the Department and, then, only to the extent set forth therein. In submitting a bid in response to this Invitation to Bid the bidder is specifically acknowledging these disclaimers.

# **BID CHECKLIST**

To submit a bid, the bidder must have access to iCX software on the web. For information on obtaining and using iCX, contact NDOT Contract Services at: [ndotcontractservices@dot.nv.gov](mailto:ndotcontractservices@dot.nv.gov) or via phone (775) 888-7070, option 3.

- Attend the MANDATORY pre-bid conference
  - Location: District II – Construction Conference Room, 305 Galletti Way, Reno, NV 89512
  - Time: 9:00 AM PDT
  
- Enter Bid Bond Information:
  - a. Enter and validate an electronic bid bond number in Electronic Bidding System (iCX). Must be Surety2000 or SurePath if submitting electronically.
  - b. **Alternatively, submit a paper proposal guaranty to NDOT Contract Services, 1263 S. Stewart St., Carson City, NV 89712, prior to bid opening time.**
    - i. In the Electronic Bidding System (iCX), enter proposal guaranty surety type and then bond or check #, then select “Validate Bond”.
    - ii. The status will change to “Validated”, HOWEVER, NDOT MUST STILL RECEIVE YOUR PAPER GUARANTY PRIOR TO BID OPENING.
  
- Complete the Suspension and Debarment and the Lobbying Activities certifications via the NDOT Electronic Bidding System (iCX).
  
- Submit the bid to the secure vault. All subcontractor and supplier information listed, certifications acknowledged and any additional documentation uploaded before bid submission will automatically be submitted with the bid.
  
- Submit any updated subcontractor and supplier information that is listed after bid submission. Subcontractors exceeding 1% of the contract (or \$50,000.00, whichever is greater) or subcontractors which will exceed \$250,000.00, must be submitted within **2 hours after bid opening**. A list of all subcontractors and suppliers used and not used must be submitted by **5:00 pm the next business day following the bid opening**. All subcontractor and supplier information listed before bid submission will automatically be submitted with the bid.
  
- All bidders must upload DBE confirmation letters, via the Electronic Bidding System (iCX) and any Good Faith Effort (GFE) if applicable, by **5:00 pm the next business day following the bid opening**. All confirmation letters and GFE uploaded before bid submission will automatically be submitted with the bid.
  
- Project Workforce Information:**
  - a. **Prior to bid opening**, the prime Contractor shall upload a completed Project Workforce Checklist, provided by the Department, into the Department’s Electronic Bidding System (iCX), in the Good Faith Effort section, until further notice (form attached).

- b. **By 5:00 pm the next business day following bid-opening**, the apparent 3 lowest bidders shall upload a completed Project Workforce Checklist for all named subcontractors into the Department's Electronic Bidding System (iCX), in the Good Faith Effort section, until further notice (form attached).
- c. **Within 10 days of bid-opening**, the apparent low bidder shall submit a Request for Waiver form, provided by the Department, for the prime Contractor and all named subcontractors. All supporting documentation for waivers, shall be submitted with the Request for Waiver form. The Request for Waiver form and supporting documentation shall be sent via email, fax or delivered to the Department's Contract Compliance Office, [ContractComplianceProjects@dot.nv.gov](mailto:ContractComplianceProjects@dot.nv.gov) . If waivers are not needed, please indicate such on the Request for Waiver form, and submit as directed above (form attached).

A request for waiver may be submitted for one of the following:

- i. No Registered Apprentice Programs exist for the craft/type of work required by the project.
- ii. A request of Apprentices was denied, or not acted upon with 5 business days of submission.
- iii. The project required the performance of uniquely complex or hazardous work.

**Failure to submit the workforce/apprentice utilization forms and supporting documentation described above, within the required time, may deem the bid non-responsive.**



**NEVADA DEPARTMENT OF TRANSPORTATION**  
**Project Workforce Checklist**  
For Compliance with the Nevada Apprenticeship Utilization Act, 2019

Contract No.: \_\_\_\_\_ Contractor/Subcontractor: \_\_\_\_\_

Craft/Trade	More than 3 Employees Anticipated?	Anticipate Needing Waiver?
<b>Air Balance Technician</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Alarm Installer</b> (see also Electrician)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Boilermaker</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Bricklayer</b> , 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"/>
<b>Carpenter</b> , 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"/>
<b>Electrician</b> , 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"/>
<b>Elevator Constructor</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Glazier</b> (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"/>
<b>Hod Carrier</b> (see also 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"/>
<b>Iron Worker</b> 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"/>
<b>Laborer</b> includes asbestos abatement, fence erector (non-steel/iron), flag person, highway striping and traffic barrier erector. Can also include cement masons, hod carrier 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"/>
<b>Lubrication and Service Engineer</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Mason</b> , can also include cement mason, plasterer, 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"/>
<b>Mechanical Insulator</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Millwright</b> (see also carpenter)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Operating Engineer</b> , can also include equipment greaser, piledriver, soils and material tester, steel fabricator/erector (with equipment), 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"/>
<b>Painters and Allied Trades</b> , 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"/>
<b>Plumber/Pipefitter</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Refrigeration</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Roofer</b> (not sheet metal)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Sheet Metal Worker</b> , can also include air balance technician.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Sprinkler Fitter</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Truck Driver</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>Well Driller</b> (see also Operating Engineer)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>

I affirm I am fully authorized to sign on behalf of the contractor/subcontractor listed above, and that the information provided is true and correct to the best of my knowledge. Additionally, I acknowledge any 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 five (5) calendar days of the change.

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

Name and Title: \_\_\_\_\_

Nevada Department of Transportation  
Contract Compliance Office  
1263 South Stewart Street  
Carson City, NV 89712

Phone: (775) 888-7497  
Fax: (775) 888-7235  
contractcomplianceprojects@dot.nv.gov  
Rev. 02/2020

**NEVADA DEPARTMENT OF TRANSPORTATION**  
**Request for Waiver**  
**For Compliance with the Nevada Apprenticeship Utilization Act, 2019**

Contract No.: \_\_\_\_\_ Contractor/Subcontractor: \_\_\_\_\_

Contact: \_\_\_\_\_ License Number: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ e-mail: \_\_\_\_\_

**No waivers needed for this contractor/subcontractor in any crafts/trades.**

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Waiver needed for the following craft(s)/trade(s) \_\_\_\_\_

as there are no apprentices available from an Apprenticeship Program registered by the Nevada State Apprenticeship Council within the jurisdiction where the public work is to be completed. Please describe why an Apprentice is not available or cannot be provided:

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

Waiver needed for the following craft(s)/trade(s) \_\_\_\_\_

as the contractor/subcontractor listed above requested Apprentices from a registered Apprenticeship Program and the request has been denied or not approved within 5 business days. Please describe why an Apprentice is not available or cannot be provided:

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

Waiver needed for the following craft(s)/trade(s) \_\_\_\_\_

as the contractor/subcontractor is required to perform uniquely complex or hazardous tasks on the project, as described below, that require the skill and expertise of a journeyman:

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

**Please attach all additional documentation/evidence needed to support the request for waiver.**

I affirm I am fully authorized to sign on behalf of the contractor/subcontractor listed above, and that the information provided is true and correct to the best of my knowledge.

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

Name and Title: \_\_\_\_\_

Nevada Department of Transportation  
Contract Compliance Office  
1263 South Stewart Street  
Carson City, NV 89712

Phone: (775) 888-7497  
Fax: (775) 888-7235  
contractcomplianceprojects@dot.nv.gov

# STATE OF NEVADA

STEVE SISOLAK  
GOVERNOR

TERRY REYNOLDS  
DIRECTOR

BRETT K. HARRIS  
LABOR COMMISSIONER



OFFICE OF THE LABOR COMMISSIONER  
3300 WEST SAHARA AVENUE, SUITE 225  
LAS VEGAS, NEVADA 89102  
PHONE: (702) 486-2650  
FAX (702) 486-2660

OFFICE OF THE LABOR COMMISSIONER  
1818 COLLEGE PARKWAY, SUITE 102  
CARSON CITY, NV 89706  
PHONE: (775) 684-1890  
FAX (775) 687-6409

## 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
<b>Group Classifications</b>	
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.....	58.27
Carpenter General Foreman.....	62.03

**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 Forman.....	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 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:**

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 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**

**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 Stripper (Union Rate)

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

Highway Stripper.....	48.28
Highway Stripper 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, 4<sup>th</sup> 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 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 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, ableways, 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 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 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**

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**

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 PILEDRIIVER**, 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 cloverleaves, 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 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, 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

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LABORER, includes but is not limited to:

## Group 1

- All cleanup work of debris, grounds, and building including windows and tile
- Dumpmen or Spotter (other than asphalt)
- Handling and Servicing of Flares, Watchmen
- General Laborer
- 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.)

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### **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
-

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## OFFICE OF THE LABOR COMMISSIONER

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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**

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2022-2023 Amendment 2 Operating Engineers

# 2022-2023 Prevailing Wage

## Amendment 2

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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

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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

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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.

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# 2022-2023 Prevailing Wage

## Amendment 2A

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- **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

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- 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

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- **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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PHONE (775) 684-1890  
FAX (775) 687-6409

OFFICE OF THE LABOR COMMISSIONER  
3300 W. SAHARA AVE. SUITE 225  
LAS VEGAS, NEVADA 89102  
PHONE (702) 486-2650  
FAX (702) 486-2660

Department of Business & Industry

OFFICE OF THE LABOR COMMISSIONER

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

# 2022-2023 Prevailing Wage

## Amendment 5

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- **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 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.



Department of Business & Industry

**OFFICE OF THE LABOR COMMISSIONER**

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

# 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.

"General Decision Number: NV20230013 04/21/2023

Superseded General Decision Number: NV20220013

State: Nevada

Construction Type: Highway  
 HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Counties: Storey and Washoe Counties in Nevada.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> <li>. Executive Order 14026 generally applies to the contract.</li> <li>. The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.</li> </ul>
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> <li>. Executive Order 13658 generally applies to the contract.</li> <li>. The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.</li> </ul>

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/06/2023
1	01/27/2023
2	03/03/2023
3	04/21/2023

CARP0971-001 07/01/2022

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 34.13	19.53

ELEC0401-001 01/01/2022

	Rates	Fringes
ELECTRICIAN.....	\$ 42.50	20.95

ENGI0003-033 07/01/2018

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Backhoe Loader Combo.....	\$ 37.83	24.80
Backhoe/Excavator/Trackhoe..	\$ 38.37	24.80
Bobcat/Skid Steer/Skid Loader.....	\$ 35.46	24.80
Grade Setter.....	\$ 38.18	24.80
Grader/Blade.....	\$ 38.37	24.80
Loader.....	\$ 37.51	24.80
Paver (Asphalt, Aggregate and Concrete).....	\$ 36.92	24.80
Roller (Asphalt).....	\$ 36.92	24.80
Roller (Except Asphalt).....	\$ 36.67	24.80
Screed.....	\$ 36.92	24.80

ENGI0012-013 10/01/2022

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
(1) Forklift.....	\$ 49.89	30.85
(6) Drill.....	\$ 50.77	30.85
(8 A) Grade Checker; Mechanic; Scraper;.....	\$ 50.67	30.85
(8 B) Oiler.....	\$ 50.13	30.85

IRON0118-002 01/01/2023

	Rates	Fringes
IRONWORKER, REINFORCING.....	\$ 46.20	21.26

LABO0169-008 10/01/2022

	Rates	Fringes
LABORER		
(1) Common or General;		

04/26/2023

Contract# 3983

95 of 99



Cones/ Barricades/ Barrels-		
Setter/Mover/Sweeper.....	\$ 30.05	15.02
(1A) Flagger.....	\$ 27.18	15.02
(3) Asphalt Shoveler, Spreader and Distributor; Concrete Saw; Mason Tender-		
Cement/Concrete.....	\$ 30.30	15.02
(4) Asphalt Raker; Pipelayer.....	\$ 30.55	15.02
(5A) Highway/Parking Lot Striping.....	\$ 32.80	15.02

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LAB00872-001 07/01/2022

Rates Fringes

LABORER

(3) Jackhammer.....	\$ 32.79	30.36
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PAIN0159-008 07/01/2022

Rates Fringes

PAINTER: Brush and Roller Only...	\$ 45.39	21.28
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PLAS0797-001 07/01/2022

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...	\$ 45.87	17.61
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TEAM0631-003 07/01/2021

Rates Fringes

TRUCK DRIVER: Dump Truck (All Types).....	\$ 39.99	23.58
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\* UAVG-NV-0001 03/30/2023

Rates Fringes

OPERATOR: Crane.....	\$ 60.75	28.65
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SUNV2017-012 10/01/2018

Rates Fringes

IRONWORKER, STRUCTURAL.....	\$ 34.75	29.20
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WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave  
for Federal Contractors applies to all contracts subject to the  
Davis-Bacon Act for which the contract is awarded (and any  
solicitation was issued) on or after January 1, 2017. If this  
contract is covered by the EO, the contractor must provide  
employees with 1 hour of paid sick leave for every 30 hours  
they work, up to 56 hours of paid sick leave each year.  
Employees must be permitted to use paid sick leave for their  
own illness, injury or other health-related needs, including

preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

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

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

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

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

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

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

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

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

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

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material,

etc.) that the requestor considers relevant to the issue.

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

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

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

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END OF GENERAL DECISIO"

CONTRACT FORM  
CONTRACT #3983

This Contract, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between the State of Nevada Department of Transportation, hereinafter called the Department, and \_\_\_\_\_, of \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, hereinafter called the Contractor.

Witnesseth: The Contractor and Department agree that, for the consideration and agreements set forth herein and performed by the Parties, and under the conditions expressed in a bond, Exhibit A, attached hereto, and for all purposes incorporated herein, that the Contractor shall and will at its own proper cost and expense, do all the work and furnish all the materials necessary for the substantial construction and completion, to the satisfaction of the Department, of a portion of the highway system of the State of Nevada, being in the County of Washoe, on US 395, North of Reno, from McCarran to Golden Valley Structure, Route Section US395-2, Mileposts MP WA 27.064 to MP WA 31.107, to construct Northbound and Southbound auxiliary lanes, Southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation, hereinafter called the Project, in strict conformity, in every part and particular, with the Department's Standard Specifications for Road and Bridge Construction 2014, Project Plans, Project Special Provisions, and Project Invitation to Bid, which are made a part hereof, and in full compliance with the terms of this Contract.

And the Contractor hereby agrees to receive and accept the prices set forth in the Proposal – Contract #3983, Total Proposal Amount: \_\_\_\_\_ (\$ \_\_\_\_\_), Exhibit B, attached hereto, and for all purposes incorporated herein, as full compensation for furnishing all materials and labor, and the doing of all work, in strict accordance with the plans, special provisions and specifications hereinbefore mentioned, to the satisfaction of the Resident Engineer and in the manner and under the conditions hereinbefore specified.

And the Contractor hereby agrees to the Required Contract Provisions, Federal-Aid Construction Contracts, FHWA-1273, revised July 5, 2022, Exhibit C, attached hereto, and for all purposes incorporated herein.

The Department hereby promises and agrees with the Contractor, to employ, and does hereby employ, the Contractor to provide the materials and do the work according to the terms and conditions and price set forth herein, and hereby contracts to pay the same at the time, in the manner, and upon the conditions set forth herein; and the parties themselves, their heirs, executors, administrators, successors, and assigns, do hereby agree to the full performance of the covenants herein contained. The Contractor further agrees that no moneys payable under this Contract shall be assigned by power of attorney, or otherwise, except upon the written consent of the Department.

It is further agreed, by and between the parties hereto, that should there be any conflict between the terms of this Contract and the Proposal of the Contractor, then this Contract shall control, and nothing herein shall be considered an acceptance of the terms of such Proposal conflicting therewith.

And the Contractor hereby further agrees that the payment of the final amount due under this Contract shall release the State of Nevada and the Department of Transportation from any and all claims or liability on account of work performed under this Contract other than such claims, if any, as may be specifically excepted by the Contractor in writing at the time final payment is made.

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity or expression, age, disability, or national origin. Such action 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. The

- contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
- (2) The contractor will, in all solicitations or advancements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity or expression, age, disability, or national origin.
  - (3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
  - (4) The contractor will comply with all provisions of Executive Order No. 11246 of Sept. 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
  - (5) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
  - (6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
  - (7) The contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States." [Sec. 202 amended by EO 11375 of Oct. 13, 1967, 32 FR 14303, 3 CFR, 1966-1970 Comp., p. 684, EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230, EO 13672 of July 21, 2014, 79 FR 42971]

The Contractor shall take such action with respect to any subcontract or procurement as the NDOT or the FHWA may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the Contractor may request the NDOT to enter into such litigation to protect the interests of the NDOT, and, in addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

In Witness Whereof, each party to the presents have hereunto caused this Contract to be executed by a duly authorized representative as of the year and date first above written.

**Attested:**

**STATE OF NEVADA**  
Through the Department of Transportation

\_\_\_\_\_  
Director, Department of Transportation

\_\_\_\_\_  
Chairman, Board of Directors, Department of Transportation

**Dated:** \_\_\_\_\_

**Approved as to Form and Legality:**

**By:** \_\_\_\_\_

\_\_\_\_\_  
Deputy Attorney General, Chief Counsel

\_\_\_\_\_  
Name and Title

PERFORMANCE BOND

Whereas, the Nevada Department of Transportation, hereinafter designated as "NDOT", has awarded to \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, hereinafter designated "PRINCIPAL", Contract #3983 dated \_\_\_\_\_ for the following work: Construction of a portion of the US Route Highway System in Washoe County, on US 395, North of Reno, from McCarran to Golden Valley Structure, to construct northbound and southbound auxiliary lanes, southbound travel lane, braided ramp at panther valley interchange, and pavement rehabilitation; and

Whereas, PRINCIPAL is required under the terms of said Contract and by law to furnish a Bond for the performance of said Contract;

Now therefore, we PRINCIPAL, and

\_\_\_\_\_  
(Surety Company Name and Primary Address)

hereinafter designated "SURETY", are held and firmly bound unto NDOT, in the sum of \_\_\_\_\_ (\$\_\_\_\_\_), lawful money of the United States, being not less than one hundred percent (100%) of the estimated contract cost of the work, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above-bounden PRINCIPAL's heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and faithfully perform the covenants, conditions, and agreements in the Contract and any alterations made as therein provided, on PRINCIPAL's part to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning; and shall indemnify and save harmless NDOT, its officers and agents, as therein stipulated; then this obligation shall become null and void. Otherwise, it shall be and remain in full force and virtue.

SURETY, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of Contract, or to the work to be performed thereunder, shall in any way affect its obligation on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work.

And SURETY, for value received, hereby stipulates and agrees, if requested to do so by NDOT, to perform and fully complete the work mentioned and described in said Contract, pursuant to the terms, conditions and covenants thereof, if for any cause, said Principal fails or neglects to so perform and fully complete said work; the said SURETY further agrees to commence said work to full completion within twenty (20) days after notice thereof from NDOT, and to fully complete the same with all due diligence and in accordance with the plans and specifications.

And SURETY, for value received, further stipulates and agrees that should NDOT incur attorney's fees or other expenses for the enforcement of the Contract or this Bond, the same shall be paid by SURETY to NDOT.

The Surety Company hereby certifies that it is duly authorized by certificate of authority issued by the State of Nevada Division of Insurance to conduct business in the State of Nevada.

By: \_\_\_\_\_  
Attorney in Fact (on file with the NV Division of Insurance)

By: \_\_\_\_\_  
Signature on behalf of Principal

Name:

Name and Title:

Date:

\_\_\_\_\_  
Name of Resident Agent

\_\_\_\_\_  
Resident Agent Street Address

\_\_\_\_\_  
Resident Agent City and State

NOTE TO SURETY ON BOND: Certificates of authority for Attorneys in Fact must be on file with the Department of Transportation and the Insurance Commissioner of the State of Nevada.

Approval of Bond

Bond No(s):

\_\_\_\_\_  
Deputy Attorney General of the State of Nevada Date





Bid Proposal  
Attached at Award

DRAFT

**REQUIRED CONTRACT PROVISIONS  
FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Non-segregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- XI. Certification Regarding Use of Contract Funds for Lobbying
- XII. Use of United States-Flag Vessels:

**ATTACHMENTS**

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

**I. GENERAL**

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work

performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

**II. NONDISCRIMINATION** (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

**1. Equal Employment Opportunity:** Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (see 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: 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, pre-apprenticeship, and/or on-the-job training."

**2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

#### **6. Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide

sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

**8. Reasonable Accommodation for Applicants / Employees with Disabilities:** The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

**9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

#### **10. Assurances Required:**

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

### III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than \$10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway

Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

#### 1. Minimum wages (29 CFR 5.5)

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## **2. Withholding (29 CFR 5.5)**

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics,

including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

## **3. Payrolls and basic records (29 CFR 5.5)**

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency.

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or

subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5(a)(3)(ii), the appropriate information is being maintained under 29 CFR 5.5(a)(3)(i), and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 231.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### 4. Apprentices and trainees (29 CFR 5.5)

##### a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State

Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

##### b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the

corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

**6. Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

**7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

**9. Disputes concerning labor standards.** As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor

set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

#### **10. Certification of eligibility (29 CFR 5.5)**

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

#### **V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

**1. Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

**2. Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in paragraph 1 of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph 1 of this section, in the sum currently provided in 29 CFR 5.5(b)(2)\* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1 of this section. 29 CFR 5.5.

\* \$27 as of January 23, 2019 (See 84 FR 213-01, 218) as may be adjusted annually by the Department of Labor; pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990).



### **3. Withholding for unpaid wages and liquidated damages.**

The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 2 of this section. 29 CFR 5.5.

**4. Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs 1 through 4 of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1 through 4 of this section. 29 CFR 5.5.

## **VI. SUBLETTING OR ASSIGNING THE CONTRACT**

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;
- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or

equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on longstanding interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

## **VII. SAFETY: ACCIDENT PREVENTION**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance

with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

### **VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

### **IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)**

This provision is applicable to all Federal-aid construction contracts in excess of \$150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.326.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders

or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.326.

### **X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

#### **1. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant

who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

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## **2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:**

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

## **3. Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is

submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contractor). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

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**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(a) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(b) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(c) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

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**XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier

subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

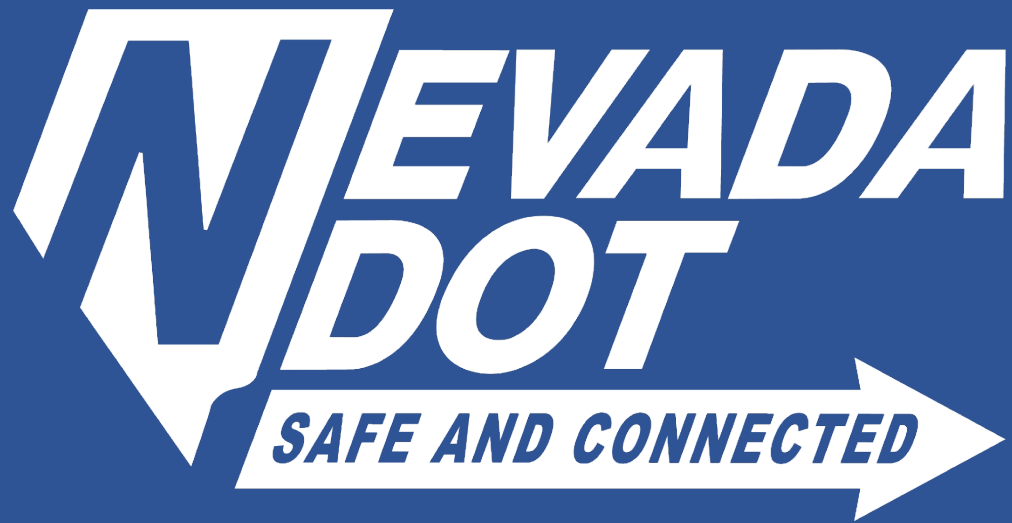
## **XII. USE OF UNITED STATES-FLAG VESSELS:**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.
2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.



# QUALIFIED PRODUCTS LIST

March 15, 2023



# QUALIFIED PRODUCTS LIST (QPL)

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### *Archived Editions of the QPL:*

Past editions of the NDOT QPL have been removed from the Research Section webpages. If you need to obtain one, please use the list of archived QPLs at the back of this document to identify the exact edition(s) you require. Send your request to the Product Evaluation Coordinator at [sgilbert-young@dot.nv.gov](mailto:sgilbert-young@dot.nv.gov).

### *QPL Category Notes:*

- 497.02.04      *ADHESIVES FOR MULTILAYER OVERLAYS category acceptance criteria has been modified to allow consideration of completed NTPEP HFTO field testing under equivalent winter conditions.*
- 702.03.05      *POZZOLANS category acceptance criteria has been modified to now only require 1-gallon sample for verification testing.*

## General Notices:

NDOT is currently seeking applications for product evaluation in the following QPL categories:

214.02.01	MAILBOX SUPPORT SYSTEMS
496.02.01	OVERLAY SYSTEM (POLYESTER)
497.02.04	ADHESIVES FOR MULTILAYER OVERLAYS
497.02.05	AGGREGATES FOR MULTILAYER OVERLAYS
502.02.04b	CONCRETE PAINT
613.02.01	DETECTABLE WARNINGS (ADA TILE)
623.02.016	DUCT SEALING COMPOUND
625.02.03	CHANGEABLE MESSAGE SIGNS
627.02.01	THERMOPLASTIC SIGN PANELS
646.02.04	SHEET MEMBRANE
646.02.05	LIQUID MEMBRANE

If you represent a product which meets the acceptance criteria for evaluation by NDOT, please consider submitting an application for product evaluation at <https://www.dot.nv.gov/doing-business/about-ndot/ndot-divisions/planning/research/product-evaluation>.

## MASH Changes to QPL:

**12/31/19 NDOT has removed all non-MASH-16 compliant products from the following eight QPL categories:**

<u>Category Number</u>	<u>Category Description</u>	<u>Category Number</u>	<u>Category Description</u>
214.02.01	MAILBOX SUPPORT SYSTEMS	625.02.05	IMPACT ATTENUATOR (TRUCK MOUNTED)
618.02.01a	GUARDRAIL TERMINAL	625.02.06	ALTERNATIVE PORTABLE BARRIER RAIL
625.02.03	CHANGEABLE MESSAGE SIGNS	625.03.03	SIGN SUPPORT SYSTEM
625.02.04	IMPACT ATTENUATOR (TEMPORARY)	625.03.04	BARRICADES

Products in the above eight categories on the active QPL just prior to the 12/31/19 deadline date may not be purchased new after that date but can continue to be used throughout their normal service life. MASH-16 compliant devices presented to NDOT through its product evaluation program <https://www.dot.nv.gov/doing-business/about-ndot/ndot-divisions/planning/research/product-evaluation> will be considered for inclusion on future QPLs.

***If you have any questions related to NDOT's MASH-16 compliance plan or questions regarding the status of any the previously removed safety-related QPL products, please contact Tim Rudnick at 775-888-7598 or [trudnick@dot.nv.gov](mailto:trudnick@dot.nv.gov).***

# NEVADA DEPARTMENT OF TRANSPORTATION

## QUALIFIED PRODUCTS LIST (QPL)

### 213.02.17 BACKFLOW PREVENTER COVERS

Vendor Name / Address	Product Name	Remarks
Strongbox, LLC Michael Williams 2320 Meyers Ave. Escondido CA 92029 mwilliams@strongbox.com	<b>SBBC-60 ALHP</b> Phone: (562) 480-7553 Cell: Fax: (760) 480-0211 www.strongbox.com	approved 6/14/2006
Strongbox, LLC Michael Williams 2320 Meyers Ave. Escondido CA 92029 mwilliams@strongbox.com	<b>SBBC-60 ALHP I</b> Phone: (562) 480-7553 Cell: Fax: (760) 480-0211 www.strongbox.com	approved 6/14/2006

### 214.02.01 MAILBOX SUPPORT SYSTEMS

Vendor Name / Address	Product Name	Remarks
No Vendors at this time *** *** *** ** ***	Phone: *** Cell: Fax:	MASH-16 crash testing standards are in effect for this category on 12/31/19. Awaiting submission of qualifying products from Industry to repopulate category. approved 12/31/2019

### 401.03.02 ASPHALT RELEASE AGENTS

Vendor Name / Address	Product Name	Remarks
Arrow-Magnolia International, Inc. Curtis Shaw 2646 Rodney Lane Dallas TX 75229 cshaw@arrowmagnolia.com	<b>Super Slick Asphalt Release Agent</b> Phone: (800) 527-2101 Cell: (214) 415-3984 Fax: (972) 247-7111 www.arrowmagnolia.com	Dilution rate is 10:1. Expires 12/1/24. NTPEP test on file ARA-2019-04-002. approved 7/12/2006
BG Chemical Mike Blanco 2007 Industrial Blvd., Suite A Rockwall TX 75087 mblanco@bgchemical.com	<b>Loose Juice</b> Phone: (214) 826-6822 Cell: (832) 236-8018 Fax: (214) 826-7290 bgchemical.com	Dilution rate is 10:1. Expires 6/1/24. NTPEP test on file ARA-2019-02-010. approved 3/11/2021
BG Chemical LP Jeff Gunter 2007 Industrial Blvd., Suite A Rockwall TX 75087 jgunter@bgchemical.com	<b>GreenGuard</b> Phone: (800) 725-8470 Cell: (214) 826-6822 Fax: (214) 826-7290 www.bgchemical.com	Dilution rate is 10:1. Expires 12/1/21. NTPEP test on file ARA-2018-04-013. HAVE NOT RECEIVED UPDATED TESTING INFO. approved 11/5/2009
ChemStation of Nevada Mark Stipek 4430 Mitchell Street North Las Vegas NV 89081 mstipek@chemstation.com	<b>41470C</b> Phone: (702) 771-3455 Cell: (702) 771-3455 Fax: (702) 360-6588 chemstation.com	Dilution rate is 4:1. Expires 3/1/25. NTPEP test on file ARA-2020-01-020. approved 6/11/2020

**401.03.02 ASPHALT RELEASE AGENTS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Chemtek, Inc. Joshua Rigsbee P.O. Box 14481 Research Triangle NC 27709 Park sales@pavepro.com	Phone: (919) 724-5390 Cell: Fax:	<b>BA-30</b> Ready to use. Expires 12/1/27. NTPEP test on file ARA-2022-01-009.
		approved 12/14/2022
Chemtek, Inc. Kat Murray 3005 Carrington Mill Blvd. Morrisville NC 27560 kat.murray@chemtek.us	Phone: (800) 672-8536 Cell: Fax:  www.chemtekinc.com	<b>Product 357 (Tradenames: PavePro Blue/NoTrax)</b> Ready to use. Expires 9/1/21. NTPEP test on file ARA-2018-03-003. HAVE NOT RECEIVED UPDATED TESTING INFO.
		approved 4/1/2020
Lubrication Technologies, Inc. Scott Hommerding 900 Mendelssohn Ave. N Golden Valley MN 55427 scotthom@lubetech.com	Phone: (763) 746-1426 Cell: Fax:  lubetech.com	<b>Lube-Tech Endurance HD Asphalt Release Agent</b> Dilution rate is 10:1. Expires 6/1/27. NTPEP test on file ARA-2022-01-004.
		approved 9/19/2022
Meyer Laboratory, Inc. Gary Brandt 2401 NW Jefferson St. Blue Springs MO 64015 gbrandt@meyerlab.com	Phone: (816) 228-4433 Cell: Fax: (816) 229-4604  www.meyerlab.com	<b>Avalanche 2022</b> Ready to use. Expires 3/1/27. NTPEP test on file ARA-2022-01-002.
		approved 9/19/2022
Meyer Laboratory, Inc. Gary Brandt 2401 NW Jefferson St. Blue Springs MO 64015 gbrandt@meyerlab.com	Phone: (816) 228-4433 Cell: Fax: (816) 229-4604  www.meyerlab.com	<b>Super Slider</b> Ready to use. Expires 3/1/25. NTPEP test on file ARA-2020-01-017.
		approved 3/11/2021
SoySolv Biosolvents, LLC Kyle Kure 4450 Hamilton Ave. Cleveland OH 44114 kyle.kure@soysolv.com	Phone: (440) 785-7090 Cell: Fax:  www.soysoolv.com	<b>TackSolv</b> Dilution rate is 30:1. Expires 3/1/26. NTPEP test on file ARA-2021-01-001.
		approved 6/15/2022
Zep, Inc. Allen Popham 70 Riverside Drive SW Cartersville GA 30120 charles.popham@zep.com	Phone: (678) 721-4101 Cell: (770) 547-1431 Fax: (770) 386-3391  www.asphaltrelease.com	<b>BMF</b> Dilution rate is 3:1. Expires 3/1/27. NTPEP test on file ARA-2021-01-010. Product was previously under Compound Technologies, Inc.
		approved 6/15/2016

**406.02.01 PRIME COAT MATERIAL**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Centennial Asphalt Co. Edgard Hitti 1201 China Grade Loop Bakersfield CA 93388 edgard.hitti@gcinc.com	Phone: (661) 591-6900 Cell: Fax:	<b>Topein-S</b> Dilute 1 part Topein-S with 3 parts water, apply 0.25 gal per sq yd and allow to break, then apply 0.15 gal per sq yd and allow to cure for 24 hours. Adjust at Resident Engineer's direction to prevent puddling or runoff.
		approved 9/11/2012

**406.02.01 PRIME COAT MATERIAL**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Enviroad, LLC Andy Clayton 2601 N. Newark Street Portland OR 97217 andy@enviroad.com	Phone: (503) 279-2605 Cell: (760) 317-7146 Fax: (503) 279-2621  www.enviroad.com	<b>Earthbind Prime (aka EB-Prime)</b> Application rate of 0.50 gal/sq yd at a dilution ratio of 4:1 or 0.60 gal/sq yd at a diution ratio of 5:1.	approved 6 /15/2022
Ergon Asphalt & Emulsions, Inc. Mo Rahman 3901 W. Ponderosa Way Las Vegas NV 89118-3018 mo.rahman@ergon.com	Phone: (480) 505-8079 Cell: (480) 252-4602 Fax:	<b>ePrime</b> Typ. sent ready to use. Appl. rates: 0.20 gal/yd2 Prime Coat; 0.15 gal/yd2 Curing Seal. If shipped as concentrate, dilute 1 part concentrate to 2 parts water. Prior to dilution, concentrate shall have a minimum 57% residue when tested to Nev. T759.	approved 9 /11/2012
Southwest Liquid Asphalt & Emulsions Gene Chrisenbery 3750 N. Bruce Street North Las Vegas NV 89030 gene.swa@outlook.com	Phone: (435) 659-1984 Cell: Fax:	<b>Asphalt Emulsion Prime (AEP)</b> approved for a standard application rate of 0.25 gal per square yard.	approved 7 /22/2019

**408.02.05 ALL WEATHER ASPHALT COLD PATCH**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Cold Mix Manufacturing Corporation Dario Amicucci 65 Edison Avenue Mount Vernon NY 10550 info@greenpatch.com	Phone: (718) 463-1444 Cell: (718) 463-1444 Fax: (718) 463-0292  www.greenpatch.com	<b>GreenPatch</b>	approved 9 /19/2022
Crafco, Inc. Angie Hoaglin 6165 W. Detroit Street Chandler AZ 85226 angie.hoaglin@crafco.com	Phone: (602) 276-0406 Cell: (602) 418-9902 Fax: (480) 961-0513  www.crafco.com	<b>HP All Season Cold Patch PN 34977ER</b>	approved 10/13/2011
Perma-Patch, LLC Eric Osterchrist 6123 Oakleaf Ave. Baltimore MD 21515 eric@permapatch.com	Phone: (800) 847-5744 Cell: (719) 231-2475 Fax: (410) 764-7137  www.permapatch.com	<b>Perma-Patch</b>	approved 1 /11/2022
Seaboard Asphalt Products Company Shawn Campbell 3601 Fairfield Road Baltimore MD 21226 sales@seaboardasphalt.com	Phone: (410) 355-0330 Cell: (800) 536-0332 Fax: (410) 355-5864  www.seaboardasphalt.com	<b>Bond-X Green High Performance Cold Mix</b>	approved 9 /3 /2014
Seaboard Asphalt Products Company Shawn Campbell 3601 Fairfield Road Baltimore MD 21226 sales@seaboardasphalt.com	Phone: (410) 355-0330 Cell: (800) 536-0332 Fax: (410) 355-5864  www.seaboardasphalt.com	<b>Seaboard Bond-X High Performance Cold Mix</b>	approved 10/13/2011

**408.02.05 ALL WEATHER ASPHALT COLD PATCH**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
SpecChem Mike LeMark 1511 Baltimore Ave. Kansas City MO 64108 mlemark@specchemllc.com	Phone: (816) 986-5600 Cell: (562) 489-9607 Fax: (816) 561-4029 specchemllc.com	<b>Max-A-Patch ACP</b> approved 12/3 /2020
The EZ Street Company Tom Francione 13611 S. Dixie Hwy., Ste. 430 Miami FL 33176 tom@ez.st	Phone: (305) 663-3090 Cell: Fax: (305) 663-0832 www.ezstreetasphalt.com	<b>EZ Street Asphalt</b> approved 9 /19/2022
The Quikrete Companies dba QPR Grant Handzlik 7322 Bonnyshire Dr. Chattanooga TN 37416 granth@qprusa.com	Phone: (423) 553-6877 Cell: (423) 637-2499 Fax: www.qprusa.com	<b>QPR</b> approved 9 /19/2022
Unique Paving Materials Corporation Frank "Skip" Rodick 3993 East 93rd Street Cleveland OH 44105 srodick@uniquepavingmaterials.com	Phone: (800) 441-4880 Cell: (216) 533-2230 Fax: (216) 341-8514 www.uniquepavingmaterials.com	<b>UPM High Performance Cold Mix</b> approved 10/13/2011

**496.02.02 OVERLAY SYSTEM (POLYESTER)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Atlas Tech Products Ryan Quinn 680 West Lake Mead Parkway Henderson NV 89015 ryanquinn@atlasform.com	Phone: (702) 227-6800 Cell: (858) 277-2100 Fax: (702) 222-0488 www.atlasform.com	<b>Atlas Tech-Deck</b> approved 3 /13/2012
Kwik Bond Polymers, LLC Steve Frank 3491 Old Cobble Court San Diego CA 92111 stevepolymerdek@sbcglobal.net	Phone: (858) 442-8185 Cell: Fax: (858) 571-5043 www.kwikbondpolymers.com	<b>PPC-1121</b> approved 3 /13/2012

**497.02.04 ADHESIVES FOR MULTILAYER OVERLAYS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
E-Bond Epoxies Incorporated Steve Frank 3491 Old Cobble Court San Diego CA 92111 stevepolymerdek@sbcglobal.net	Phone: (858) 442-8185 Cell: Fax: (858) 571-5043 www.polymerdek.com	<b>E-Bond 526</b> approved 8 /29/2009

**497.02.04 ADHESIVES FOR MULTILAYER OVERLAYS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
E-Chem, LLC Renee Thomas 4102 El Rey Road SE Albuquerque NM 87105 rthomas@atcepoxy.com	Phone: (505) 217-2121 Cell: (954) 789-4764 Fax: (505) 217-3721  www.e-chem.net	<b>EPX50-OVERLAY FAST</b>     approved 12/17/2018
Kwik Bond Polymers Gregg Freeman 923 Teal Drive Benicia CA 94510 gregg@kwikbondpolymers.com	Phone: (720) 626-6643 Cell: (866) 434-1772 Fax: (707) 746-7981  www.kwikbondpolymers.com	<b>KBP Epoxy LM</b>     approved 6/15/2022
Kwik Bond Polymers, LLC Steve Frank 3491 Old Cobble Court San Diego CA 92111 stevepolymerdek@sbcglobal.net	Phone: (858) 442-8185 Cell: Fax: (858) 571-5043  http://www.kwikbondpolymers.com/	<b>Kwik Bond PPC-HFST</b> For use in high friction surface treatments (HFST).    approved 9/21/2021
MAPEI Corporation Bruce Haller 1144 E Newport Center Drive Deerfield Beach FL 33442 bhaller@mapei.com	Phone: (654) 246-8520 Cell: (954) 637-5121 Fax: (954) 246-8825  www.mapei.com	<b>Planiseal Traffic Coat</b>     approved 6/15/2022
Olin Poly-Carb Solmaz Pirouz 4005 Technology Drive, Suite 1500 Angleton TX 77515 spirouz@olin.com	Phone: (330) 748-6407 Cell: (979) 480-4607 Fax:  https://olinpolycarb.com/	<b>Poly-Carb Mark 163 Flexogrid</b> 4/26/21 informed by vendor that this product is not being produced or sold in 2023.    approved 8/29/2009

**497.02.05 AGGREGATES FOR MULTILAYER OVERLAYS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Earth Work Solutions, LLC Shay Lundvall 2506 Little Powder River Road Gillette WY 82716 shay.lundvall@earthwork.us.com	Phone: (307) 682-4346 Cell: (307) 228-3050 Fax:  earthwork.us.com	<b>Traction Control</b> calcined bauxite. Available in super sacks.    approved 9/20/2021
Earthwork Solution, LLC Patrick Malfitano 5595 East Bijou Street Colorado Springs CO 80916 patrick@ewslag.com	Phone: (719) 492-0706 Cell: Fax:  x	<b>#8 EAF Steel Slag</b> steel slag. Awaiting updated contact info.    approved 9/20/2021
Great Lakes Minerals, LLC Georgia Eusner 1200 Port Road Wurtland KY 41144 georgia@glmin.com	Phone: (703) 989-4861 Cell: Fax: (606) 834-1106  greatlakesminerals.com	<b>GRIPgrain</b> Calcined bauxite. Company notes product is packaged in 4000# bulk bag and placed on a pallet with rain cap and shrink wrapping to ensure it stays dry.    approved 9/20/2021

**497.02.05 AGGREGATES FOR MULTILAYER OVERLAYS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Harsco Metals LLC Norm Winery x x x	Phone: (870) 763-6505 Cell: (870) 549-0395 Fax:	<b>#8 EAF Steel Slag</b> steel slag. Awaiting updated contact info.
Kwik Bond Polymers Gregg Freeman 923 Teal Drive Benicia CA 94510 gregg@kwikbondpolymers.com	Phone: (720) 626-6643 Cell: (866) 434-1772 Fax: http://kwikbondpolymers.com	<b>KBP Calcined Bauxite</b> calcined bauxite.
Newport Industries Ltd Head Office contact 20 Belmont Terrace, Chiswick W4 5UG London sales@newport-industries.com	Phone: (919) 522-8113 Cell: Fax: www.calcined-bauxite.com	<b>Calcined Bauxite</b> calcined bauxite. Tel: +44 208 742 0333, Fax: +44 208 742 0444. Awaiting updated contact info.
Schmidt Construction Tom Blair x x tblair@edwclevy.net	Phone: (248) 675-0103 Cell: (248) 766-3586 Fax:	<b>#8 EAF Steel Slag</b> steel slag. Awaiting updated contact info.
Washington Rock Quarries Inc. Dale Mortensen 21711 103rd Ave Ct E, Suite C302 Graham WA 98338 dale@wa-rock.com	Phone: (801) 884-3510 Cell: (253) 262-1661 Fax: (253) 262-1664 wa-rock.com	<b>Basalt by Armorstone</b> epoxy overlay aggregate. Available in super sacks.

**502.02.04b CONCRETE PAINT**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
No Vendors at this time *** *** *** ** ***	Phone: *** Cell: Fax:	New acceptance criteria has been issued for category. Awaiting submission of laboratory testing from applicants to populate category.

**502.03.13b PREFORMED JOINT FILLERS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Chase Corporation Ben Shterengarts 201 Zeta Dr. Pittsburg PA 15238 bshterengarts@chasecorp.com	Phone: (412) 302-7996 Cell: (781) 332-0700 Fax: www.chasecorp.com	<b>Phyzite 380</b>



**502.03.13b PREFORMED JOINT FILLERS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
EMSEAL Joint Systems, LTD Greg Rodgers 25 Bridle Lane Westborough MA 01581-1228 grodgers@emseal.com	Phone: (508) 599-3229 Cell: (508) 836-0280 Fax: www.emseal.com	<b>BEJS (Bridge Expansion Joint System)</b> approved 7 /22/2019
EMSEAL Joint Systems, LTD Greg Rodgers 25 Bridle Lane Westborough MA 01581 grodgers@emseal.com	Phone: (508) 836-0280 Cell: Fax: (508) 836-0281 www.emseal.com/bridge	<b>EMV-Seal</b> approved 9 /20/2021
MasterSpec Materials, LLC Luisa Flores 806 Buchanan Blvd, Ste 115-294 Boulder City NV 89005 info@masterspecmaterials.com	Phone: (702) 997-8838 Cell: (505) 974-0421 Fax: www.masterspecmaterials.com	<b>RiteSeal Preformed Joint Seal</b> approved 7 /22/2019
Polyset Company Incorporated Terry Eck P.O. Box 111 Mechanicville NY 12118 t.eck@polyset.com	Phone: (518) 664-6000 Cell: (518) 522-6609 Fax: (518) 664-6001 www.polyset.com	<b>Ply-Seal</b> telephone ext. 332 approved 3 /28/2011
Polyset Company Incorporated Terry Eck P.O. Box 111 Mechanicville NY 12118 t.eck@polyset.com	Phone: (518) 664-6000 Cell: (518) 522-6609 Fax: (518) 664-6001 www.polyset.com	<b>Ply-Seal XE Beige</b> telephone ext. 332 approved 3 /28/2011
RJ Watson Incorporated Tammy Gilbert 11035 Walden Alden NY 14004 tgilbert@rjwatson.com	Phone: (716) 901-7020 Cell: (716) 864-9122 Fax: (716) 901-7015 www.rjwatson.com	<b>Silicoflex</b> approved 12/7 /2000
Sunshine Industrial, Inc. Mack Hahn P.O. Box 3734 Olathe KS 66063 mackh.sunshine@yahoo.com	Phone: (816) 820-0035 Cell: (816) 820-0035 Fax: (913) 362-6341 sunshineindustrial.com	<b>Polytite N</b> approved 5 /7 /2015
TechStar Incorporated Steve Brown 1219 West Main Cross Street Findlay OH 45840 steve@techstar-inc.com	Phone: (419) 424-0888 Cell: (419) 408-5469 Fax: (419) 424-5959 www.techstar-inc.com	<b>W Seal</b> approved 4 /19/1999

**502.03.13b PREFORMED JOINT FILLERS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
The DS Brown Company Brent Toller 300 East Cherry Street North Baltimore OH 45872 brent.toller@dsbrown.com	Phone: (419) 257-3561 Cell: (801) 837-8555 Fax: www.dsbrown.com	<b>J Series Sealing System</b> approved 3/15/2023
Watson Bowman Acme Chris Smyth 95 Pineview Drive Amherst NY 14228 chris.smyth@watsonbowmanacme.com	Phone: (716) 544-4620 Cell: (716) 817-5410 Fax: (716) 691-9239 www.wbacorp.com	<b>JEENE Structural &amp; Sealing Jt</b> approved 8/2/2006
Watson Bowman Acme Chris Smyth 95 Pineview Drive Amherst NY 14228 chris.smyth@watsonbowmanacme.com	Phone: (716) 544-4620 Cell: (716) 817-5410 Fax: (716) 691-9239 www.wbacorp.com	<b>Wabo Evazote UV</b> approved 8/2/2006
Watson Bowman Acme Chris Smyth 95 Pineview Drive Amherst NY 14228 chris.smyth@watsonbowmanacme.com	Phone: (716) 544-4620 Cell: Fax: (716) 691-9239 www.wbacorp.com	<b>Wabo FS Bridge Seal</b> approved 12/31/2019
Watson Bowman Acme Chris Smyth 95 Pineview Drive Amherst NY 14228 chris.smyth@watsonbowmanacme.com	Phone: (716) 544-4620 Cell: Fax: (716) 691-9239 www.wbacorp.com	<b>Wabo SPS Joint System</b> approved 7/22/2019

**502.03.13c ASPHALTIC PLUG EXPANSION JOINTS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
DS Brown Company Brent Toller 300 East Cherry Street North Baltimore OH 45872 btoller@dsbrown.com	Phone: (800) 848-1730 Cell: (801) 837-8555 Fax: (419) 257-2200 www.dsbrown.com	<b>Matrix 502 DS Brown</b> approved 6/5/1997
Watson Bowman Acme Chris Smyth 95 Pineview Drive Amherst NY 14228 chris.smyth@watsonbowmanacme.com	Phone: (716) 544-4620 Cell: Fax: (716) 691-9239 www.wbacorp.com	<b>Wabo Expandex</b> approved 12/5/2011

**502.03.13d EXPANSION JOINT SEALANT**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
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**502.03.13d EXPANSION JOINT SEALANT**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Sika Corporation Don Edwards 201 Polito Avenue Lyndhurst NJ 07071 edwards.don@us.sika.com	Phone: (201) 933-8800 Cell: (816) 372-3599 Fax: usa.sika.com	<b>Sikasil 728 RCS</b> approved 10/15/2014
The Dow Chemical Company Jason Sika 12081 West Alameda Parkway #421 Lakewood CO 80228 jason.sika@dow.com	Phone: (989) 496-3833 Cell: (303) 880-9614 Fax: www.dow.com	<b>DOWSIL 890-SL Silicone Sealant</b> approved 4 /22/2002
The Dow Chemical Company Jason Sika 12081 West Alameda Parkway #421 Lakewood CO 80228 jason.sika@dow.com	Phone: (989) 496-3833 Cell: (303) 880-9614 Fax: www.dow.com	<b>DOWSIL 902 RCS Joint Sealant</b> approved 4 /22/2002
Watson Bowman Acme Chris Smyth 95 Pineview Drive Amherst NY 14228 chris.smyth@watsonbowmanacme.com	Phone: (716) 544-4620 Cell: (716) 308-6799 Fax: (716) 691-9239 www.wbacorp.com	<b>Wabo Silicone Seal</b> Two part sealant approved 8 /2 /2006

**502.03.13e EXPANSION JOINT (SPECIAL)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Chase Corporation Ben Shterengarts 201 Zeta Dr. Pittsburg PA 15238 bshterengarts@chasecorp.com	Phone: (412) 302-7996 Cell: (781) 332-0700 Fax: www.chasecorp.com	<b>CEVA Expansion Joint System</b> approved 1 /31/2023
Silicone Specialties Incorporated Eric Larson PO Box 50009 Tulsa OK 74150 eric.larson@ssicm.com	Phone: (800) 888-8909 Cell: (713) 874-7017 Fax: (918) 582-7510 www.ssicm.com	<b>Dow 902 XJS Joint System</b> This is a general QPL ONLY; systems on this list will be selected for use based on project specifics. This product is permitted ONLY when specified in the contract documents as an acceptable product. approved 4 /22/2002

**502.03.19 FINE SURFACE FINISH (BONDED GROUT)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	<b>Tammscoat Fine</b> approved 1 /1 /2006

**502.03.19 FINE SURFACE FINISH (BONDED GROUT)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Textured Coatings of America Bill Borchert PO Box 9235 Santa Rosa CA 95405 specwestreps@aol.com	Phone: (510) 206-8030 Cell: Fax:  www.texcote.com	<b>TexCote 300 Bridge Cote</b>     approved 6 /16/2008

Textured Coatings of America Bill Borchert PO Box 9235 Santa Rosa CA 95405 specwestreps@aol.com	Phone: (510) 206-8030 Cell: Fax:  www.texcote.com	<b>TexCote XL70 Bridge Cote</b>     approved 6 /16/2008
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**502.03.22 JOINT SEALER (ALONG EDGES OF CONCRETE BARRIER RAIL)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Crafco, Inc. Angie Hoaglin 6165 W. Detroit Street Chandler AZ 85226 angie.hoaglin@crafco.com	Phone: (602) 276-0406 Cell: (602) 418-9902 Fax: (480) 961-0513  www.crafco.com	<b>Crafco Asphalt Rubber</b> Type 1, 2 or 4 depends on the climate zone    approved 1 /7 /1998

Crafco, Inc. Angie Hoaglin 6165 W. Detroit Street Chandler AZ 85226 angie.hoaglin@crafco.com	Phone: (602) 276-0406 Cell: (602) 418-9902 Fax: (480) 961-0513  www.crafco.com	<b>Deery 180</b> Type 1, 2 or 4 depends on the climate zone    approved 6 /6 /2013
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FPT Infrastructure Stacey Cleary 401 Old US 52 South Mount Airy NC 27030 stacey.cleary@FPTInfrastructure.com	Phone: (336) 466-9559 Cell: (336) 789-7259 Fax:  https://www.fptinfrastructure.com/	<b>Greyseal 6690</b>     approved 3 /15/2023
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Henry Company Dean Yake 336 Coldstream Road Kimberton PA 19442 dyake@henry.com	Phone: (228) 239-3568 Cell: (610) 933-8888 Fax:  www.henry.com	<b>Calseal</b> Type 1, 2 or 4 depends on the climate zone    approved 9 /8 /1998
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Maxwell Products Incorporated Chris Robb 650 South Delong Street Salt Lake City UT 84104 chris.robb@maxwellproducts.com	Phone: (801) 972-2090 Cell: (801) 803-9281 Fax: (801) 972-5536  www.maxwellproducts.com	<b>Elastoflex 650</b> Type 1, 2 or 4 depends on the climate zone    approved 9 /30/1996
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Maxwell Products Incorporated Chris Robb 650 South Delong Street Salt Lake City UT 84104 chris.robb@maxwellproducts.com	Phone: (801) 972-2090 Cell: (801) 803-9281 Fax: (801) 972-5536  www.maxwellproducts.com	<b>Elastoflex 670</b> Type 1, 2 or 4 depends on the climate zone    approved 9 /30/1996
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**502.03.22 JOINT SEALER (ALONG EDGES OF CONCRETE BARRIER RAIL)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
The Quikrete Companies DBA QPR Susan Holder 7322 Bonnyshire Dr. Chattanooga TN 37416 susan.holder@quikrete.com	Phone: (423) 553-6877 Cell: (901) 317-5243 Fax: www.qprusa.com	<b>NxGen</b>      approved 12/31/2019

**505.02.01 EPOXY COATINGS (FOR STEEL REINFORCING BARS)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
3M Electrical Markets Division Jennifer Pratt 13011 McCallen Pass, Bldg. C Austin TX 78753 jkpratt@mmm.com	Phone: (737) 259-0765 Cell: (979) 215-4571 Fax: www.3m.com/corrosion	<b>Scotchkote 413 Fusion Bonded Epoxy Powder Coating</b> Fusion Bonded Epoxy Coating 413 - AASHTO M284 / ASTM A775     approved 10/10/2011

Akzo Nobel Lynette Drumm 20 Culvert Street Nashville TN 37210 lynette.drumm@akzonobel.com	Phone: (615) 259-2430 Cell: (248) 245-2667 Fax: (615) 255-7903 www.akzonobel.com	<b>Resicoat RB600 HKF30R</b>     approved 4 /30/2008
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IFS Coatings, Inc. Robert R. Phillippi 3601 North I-35 Gainesville TX 76240 rphillippi@ifscoatings.com	Phone: (513) 448-2521 Cell: (940) 668-1062 Fax: (940) 668-1061 www.ifscoatings.com	<b>PureFlex Green, ERSS33252</b>     approved 9 /24/2018
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The Sherwin-Williams Company Anthony Del Percio 1101 South 3rd Street Minneapolis MN 55415 anthony.delpercio@sherwin.com	Phone: (612) 375-7842 Cell: (612) 859-1151 Fax: www.sherwin-williams.com	<b>Greenbar</b>     approved 4 /4 /2000
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The Sherwin-Williams Company Anthony Del Percio 1101 South 3rd Street Minneapolis MN 55415 anthony.delpercio@sherwin.com	Phone: (612) 375-7842 Cell: (612) 859-1151 Fax: www.sherwin-williams.com	<b>Vectrashield</b>     approved 3 /28/2017
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**600.02.01 TRENCH DRAINS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
ABT Incorporated Brad Short 259 Murdock Road/PO Box 837 Troutman NC 28166 bshort@abtdrains.com	Phone: (800) 438-6057 Cell: (949) 633-6111 Fax: (704) 528-5478 www.abtdrains.com	<b>A-67 Interceptor</b> This is a general QPL ONLY; the unit will be selected based on the specific project requirements.     approved 1 /17/2003

**600.02.01 TRENCH DRAINS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
ABT Incorporated Brad Short 259 Murdock Road/PO Box 837 Troutman NC 28166 bshort@abtdrains.com	<b>Phone:</b> (800) 438-6057 <b>Cell:</b> (949) 633-6111 <b>Fax:</b> (704) 528-5478 www.abtdrains.com	<b>MHD</b> (8", 12", 18", and 24" Trench Drain Systems). This is a general QPL ONLY; the unit will be selected based on the specific project requirements. <b>approved</b> 1/17/2003
ABT Incorporated Brad Short 259 Murdock Road/PO Box 837 Troutman NC 28166 bshort@abtdrains.com	<b>Phone:</b> (800) 438-6057 <b>Cell:</b> (949) 633-6111 <b>Fax:</b> (704) 528-5478 www.abtdrains.com	<b>Polydrain</b> This is a general QPL ONLY; the unit will be selected based on the specific project requirements. <b>approved</b> 1/17/2003
ABT Incorporated Brad Short 259 Murdock Road/PO Box 837 Troutman NC 28166 bshort@abtdrains.com	<b>Phone:</b> (800) 438-6057 <b>Cell:</b> (949) 633-6111 <b>Fax:</b> (704) 528-5478 www.abtdrains.com	<b>XHD</b> (8", 12", and 18"). This is a general QPL ONLY; the unit will be selected based on the specific project requirements. <b>approved</b> 1/17/2003
Multidrain Systems Incorporated Steve Born PO Box 7107 Statesville NC 28687 steve.born@multidrainsystems.com	<b>Phone:</b> (800) 433-1119 <b>Cell:</b> (704) 881-4064 <b>Fax:</b> (704) 508-1011 www.multidrainsystems.com	<b>EconoDrain</b> This is a general QPL ONLY; the unit will be selected based on the specific project requirements. <b>approved</b> 4/6/2004
Multidrain Systems Incorporated Steve Born PO Box 7107 Statesville NC 28687 steve.born@multidrainsystems.com	<b>Phone:</b> (800) 433-1119 <b>Cell:</b> (704) 881-4064 <b>Fax:</b> (704) 508-1011 www.multidrainsystems.com	<b>MultiDrain</b> This is a general QPL ONLY; the unit will be selected based on the specific project requirements. <b>approved</b> 4/6/2004

**609.02.01 FAST SETTING CONCRETE PRODUCTS (NON STRUCTURAL)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Aquafin Alexander Gugliotta 505 Blue Ball Road, Suite 160 Elkton MD 21921 agugliotta@aquafin.net	<b>Phone:</b> (410) 920-9395 <b>Cell:</b> (410) 392-2300 <b>Fax:</b> https://www.aquafin.net/us/en	<b>Aquafin Pavemend SL</b> The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R3 Mortar. Approved for all Districts. <b>approved</b> 9/20/2021
Ardex LP Karen Marz 400 Ardex Park Drive Aliquippa PA 15001 karen.marz@ardexamericas.com	<b>Phone:</b> (724) 203-5000 <b>Cell:</b> (408) 425-3070 <b>Fax:</b> www.ardexamericas.com	<b>Transportation Repair Mortar (TRM)</b> The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 10/31/2013
Atlas Tech Products Ryan Quinn 680 West Lake Mead Parkway Henderson NV 89015 ryanquinn@atlasform.com	<b>Phone:</b> (702) 227-6800 <b>Cell:</b> (858) 277-2100 <b>Fax:</b> (702) 222-0488 www.atlasform.com	<b>Atlas Pro-1 Patch</b> The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 5/14/2009

**609.02.01 FAST SETTING CONCRETE PRODUCTS (NON STRUCTURAL)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Buzzi Unicem USA Incorporated William Krupa 100 Brodhead Road Suite 230 Bethlehem PA 18017 william.krupa@buzziunicemusa.com	<b>Phone:</b> (610) 882-4013 <b>Cell:</b> (610) 882-5013 <b>Fax:</b> (610) 868-8795  www.buzziunicemusa.com	<b>Ulti Pave3</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 6/28/2010
Buzzi Unicem USA Incorporated William Krupa 100 Brodhead Road Suite 230 Bethlehem PA 18017 william.krupa@buzziunicemusa.com	<b>Phone:</b> (610) 882-4013 <b>Cell:</b> (610) 882-5013 <b>Fax:</b> (610) 868-8795  www.buzziunicemusa.com	<b>UltiGrout</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 6/28/2010
Buzzi Unicem USA Incorporated William Krupa 100 Brodhead Road Suite 230 Bethlehem PA 18017 william.krupa@buzziunicemusa.com	<b>Phone:</b> (610) 882-4013 <b>Cell:</b> (610) 882-5013 <b>Fax:</b> (610) 868-8795  www.buzziunicemusa.com	<b>Utility Fill One Step</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 6/28/2010
CTS Cement Manufacturing Corp Grant Kao 12442 Knott Street Garden Grove CA 92841 gkao@ctscement.com	<b>Phone:</b> (800) 929-3030 <b>Cell:</b> (626) 833-8838 <b>Fax:</b> (714) 379-8270  www.ctscement.com	<b>Rapid Set Cement All</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 1/27/1994
CTS Cement Manufacturing Corp Grant Kao 12442 Knott Street Garden Grove CA 92841 gkao@ctscement.com	<b>Phone:</b> (800) 929-3030 <b>Cell:</b> (626) 833-8838 <b>Fax:</b> (714) 379-8270  www.ctscement.com	<b>Rapid Set Concrete Mix</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 1/27/1994
CTS Cement Manufacturing Corp Grant Kao 12442 Knott Street Garden Grove CA 92841 gkao@ctscement.com	<b>Phone:</b> (800) 929-3030 <b>Cell:</b> (626) 833-8838 <b>Fax:</b> (714) 379-8270  www.ctscement.com	<b>Rapid Set DOT Repair Mix</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 1/27/1994
CTS Cement Manufacturing Corp Grant Kao 12442 Knott Street Garden Grove CA 92841 gkao@ctscement.com	<b>Phone:</b> (800) 929-3030 <b>Cell:</b> (626) 833-8838 <b>Fax:</b> (714) 379-8270  www.ctscement.com	<b>Rapid Set Motar Mix</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 1/27/1994
CTS Cement Manufacturing Corporation Grant Kao 12442 Knott Street Garden Grove CA 92841 gkao@ctscement.com	<b>Phone:</b> (800) 929-3030 <b>Cell:</b> (626) 833-8838 <b>Fax:</b> (714) 379-8270  www.ctscement.com	<b>Rapid Set Mortar Mix Plus</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 9/25/2017



**609.02.01 FAST SETTING CONCRETE PRODUCTS (NON STRUCTURAL)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Dayton Superior Corporation Sarah Clark 1125 Byers Rd. Miamisburg OH 45342 sarahclark@daytonsuperior.com	<b>Dayton Superior HD-50</b> Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473 www.daytonsuperior.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Ext. 44376. <b>approved</b> 9/30/1996
Euclid Chemical Company Brian Lewis 19215 Redwood Rd. Cleveland OH 44110 blewis@euclidchemical.com	<b>EucoRepair SCC Fast</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 513-9399 www.euclidchemical.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R2 Mortar. Approved for all Districts. <b>approved</b> 9/20/2021
Euclid Chemical Company Brian Lewis 19215 Redwood Rd. Cleveland OH 44110 blewis@euclidchemical.com	<b>EucoRepair V100</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 513-9399 www.euclidchemical.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R2 Mortar. Approved for all Districts. <b>approved</b> 9/20/2021
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>EucoSpeed</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 9/23/1998
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>EucoSpeed MP</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 9/23/1998
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>Express Repair</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 3/16/2006
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>Hi-Flow Grout</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 3/16/2006
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>VersaSpeed 100</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R3 Mortar. Approved for all Districts. <b>approved</b> 9/20/2021



**609.02.01 FAST SETTING CONCRETE PRODUCTS (NON STRUCTURAL)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>Versaspeed LS100</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R2 Mortar. Approved for all Districts. <b>approved</b> 9/20/2021
Five Star Products Inc. Ryan Taylor 60 Parrott Drive Shelton CT 06484 taylorr@fivestarpromts.com	<b>Highway Patch</b> Phone: (800) 243-2206 Cell: (203) 336-7900 Fax: (203) 336-7930 www.fivestarpromts.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 9/30/1996
Five Star Products Inc. Ryan Taylor 60 Parrott Drive Shelton CT 06484 taylorr@fivestarpromts.com	<b>Structural Concrete</b> Phone: (800) 243-2206 Cell: (203) 336-7900 Fax: (203) 336-7930 www.fivestarpromts.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 9/30/1996
H.B. Fuller Construction Products Dylan Bryant 1702 Kimberly Park Drive Dalton GA 30720 dylan.bryant@hbfuller.com	<b>ProSpec BlendCrete</b> Phone: (706) 459-3362 Cell: Fax: www.prospec.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R3 Mortar. Approved for all Districts. <b>approved</b> 12/31/2019
H.B. Fuller Construction Products Dylan Bryant 1702 Kimberly Park Drive Dalton GA 30720 dylan.bryant@hbfuller.com	<b>ProSpec Premium Patch 200</b> Phone: (706) 459-3362 Cell: Fax: www.prospec.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R3 Mortar. Approved for all Districts. <b>approved</b> 12/31/2019
Henkel Loctite Matt Yetka 2735 Paint Drive Auburn CA 95603 matthew.yetka@henkel.com	<b>Loctite PC9410 MagnaCrete</b> Phone: Cell: (209) 482-4488 Fax: www.loctite.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 10/17/2008
MAPEI Corporation Bruce Haller 1144 E Newport Center Drive Deerfield Beach FL 33442 bhaller@mapei.com	<b>Planigrout 712</b> Phone: (954) 246-8520 Cell: (954) 637-5121 Fax: (954) 246-8825 www.mapei.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 9/25/2017
MAPEI Corporation Bruce Haller 1144 E Newport Center Drive Deerfield Beach FL 33442 bhaller@mapei.com	<b>Planitop 18</b> Phone: (954) 246-8520 Cell: (954) 637-5121 Fax: (954) 246-8825 www.mapei.com	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. <b>approved</b> 3/24/2017

**609.02.01 FAST SETTING CONCRETE PRODUCTS (NON STRUCTURAL)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>	
MAPEI Corporation Bruce Haller 1144 E Newport Center Drive Deerfield Beach FL 33442 bhaller@mapei.com	Phone: (954) 246-8520 Cell: (954) 637-5121 Fax: (954) 246-8825  www.mapei.com	<b>Planitop 18 ES</b>	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.
			approved 9 /25/2017
MAPEI Corporation Bruce Haller 1144 E Newport Center Drive Deerfield Beach FL 33442 bhaller@mapei.com	Phone: (954) 246-8520 Cell: (954) 637-5121 Fax: (954) 246-8825  www.mapei.com	<b>Planitop 18 TG</b>	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.
			approved 9 /24/2018
MAPEI Corporation Bruce Haller 1144 E Newport Center Drive Deerfield Beach FL 33442 bhaller@mapei.com	Phone: (954) 246-8520 Cell: (954) 637-5121 Fax: (954) 246-8825  www.mapei.com	<b>Planitop X</b>	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.
			approved 9 /25/2017
MAPEI Corporation Bruce Haller 1144 E. Newport Center Drive Deerfield Beach FL 33442 bhaller@mapei.com	Phone: (954) 246-8520 Cell: (954) 637-5121 Fax: (954) 246-8825  www.mapei.com	<b>Planitop XS</b>	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.
			approved 9 /25/2017
Master Builders Solutions Construction Systems Mark Aument 889 Valley Park Drive Shakopee MN 55379 mark.aument@mbcc-group.com	Phone: (952) 403-6547 Cell: (952) 250-1787 Fax: (952) 496-6067  https://www.master-builders-solutions.co	<b>Master Emaco S466 CI</b>	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.
			approved 1 /3 /2002
Master Builders Solutions Construction Systems Mark Aument 889 Valley Park Drive Shakopee MN 55379 mark.aument@mbcc-group.com	Phone: (952) 403-6547 Cell: (952) 250-1787 Fax: (952) 496-6067  https://www.master-builders-solutions.co	<b>Master Emaco T10-60</b>	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.
			approved 1 /3 /2002
Master Builders Solutions Construction Systems Mark Aument 889 Valley Park Drive Shakopee MN 55379 mark.aument@mbcc-group.com	Phone: (952) 403-6547 Cell: (952) 250-1787 Fax: (952) 496-6067  https://www.master-builders-solutions.co	<b>Master Emaco T545 DOT</b>	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.
			approved 1 /3 /2002
MasterSpec Materials, LLC Luisa Flores 806 Buchanan Blvd, Ste 115-294 Boulder City NV 89005 info@masterspecmaterials.com	Phone: (702) 997-8838 Cell: (505) 974-0421 Fax:  www.masterspecmaterials.com	<b>RiteCrete</b>	The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.
			approved 9 /24/2018

**609.02.01 FAST SETTING CONCRETE PRODUCTS (NON STRUCTURAL)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Phoscrete Corporation Brian Mintz 1800 NW 15th Ave., Ste. 130 Pompano Beach FL 33069 brian.mintz@phoscrete.com	<b>Phone:</b> (561) 420-0595 <b>Cell:</b> (727) 944-4368 <b>Fax:</b> (561) 420-0599  www.phoscrete.com	<b>Phoscrete HC</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Ext.719.	approved 3/24/2017
Sika Corporation Don Edwards 201 Polito Avenue Lyndhurst NJ 07071 edwards.don@us.sika.com	<b>Phone:</b> (201) 933-8800 <b>Cell:</b> (816) 372-3599 <b>Fax:</b>  usa.sika.com	<b>Sikacrete 321FS</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 12/28/2016
Sika Corporation Don Edwards 201 Polito Avenue Lyndhurst NJ 07071 edwards.don@us.sika.com	<b>Phone:</b> (201) 933-8800 <b>Cell:</b> (816) 372-3599 <b>Fax:</b>  usa.sika.com	<b>Sikaquick 2500</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 12/28/2016
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	<b>Phone:</b> (480) 450-5321 <b>Cell:</b> (702) 524-5524 <b>Fax:</b>  strongtie.com	<b>RPS-263</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R3 Mortar. Approved for all Districts.	approved 9/19/2022
SpecChem Michael Lemark 1511 Baltimore Ave., Suite 600 Kansas City MO 64108 mlemark@specchemllc.com	<b>Phone:</b> (816) 968-5600 <b>Cell:</b> (562) 489-9607 <b>Fax:</b>  www.specchemllc.com	<b>RepCon 928</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 5/7/2013
The QUIKRETE Companies, LLC Dave Wingard 500 Marathon Parkway Lawrenceville GA 30046 dave.wingard@quikrete.com	<b>Phone:</b> (404) 926-3128 <b>Cell:</b> (800) 282-5828 <b>Fax:</b> (770) 237-2548  www.quikrete.com	<b>QUIKRETE Comm. Grade FastSet Repair Mortar 1241</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R2 Mortar. Approved for all Districts.	approved 12/10/2020
The QUIKRETE Companies, LLC Dave Wingard 500 Marathon Parkway Lawrenceville GA 30046 dave.wingard@quikrete.com	<b>Phone:</b> (404) 926-3128 <b>Cell:</b> (800) 282-5828 <b>Fax:</b> (770) 237-2548  www.quikrete.com	<b>QUIKRETE Commerical Grade FastSet DOT Mix 1244-56</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R3 Mortar. Approved for all Districts.	approved 12/10/2020
US Concrete Products Thomas Brennan 16 Greenmeadow Drive Timonium MD 21093 tjbrennan@uscproducts.com	<b>Phone:</b> (866) 827-8727 <b>Cell:</b> (410) 561-8770 <b>Fax:</b> (410) 561-8771  www.uscproducts.com	<b>HP Concrete</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 10/22/2004

**609.02.01 FAST SETTING CONCRETE PRODUCTS (NON STRUCTURAL)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
US Mix Company Andrew Beaty 112 South Santa Fe Drive Denver CO 80223 andrew.beaty@oldcastle.com	Phone: (303) 778-7227 Cell: (303) 489-1083 Fax: (303) 722-8426  www.usspec.com	<b>US SPEC Quickset</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 3/24/2017
US Mix Company Andrew Beaty 112 South Santa Fe Drive Denver CO 80223 andrew.beaty@oldcastle.com	Phone: (303) 778-7227 Cell: (303) 489-1083 Fax: (303) 722-8426  www.usspec.com	<b>US SPEC SC Concrete</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R3 Concrete. Approved for all Districts.	approved 9/20/2021
US Mix Company Andrew Beaty 112 South Santa Fe Drive Denver CO 80223 andrew.beaty@oldcastle.com	Phone: (303) 778-7227 Cell: (303) 489-1083 Fax: (303) 722-8426  www.usspec.com	<b>US SPEC STR Mortar CI</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 9/24/2018
US Mix Company Andrew Beaty 112 South Santa Fe Drive Denver CO 80223 andrew.beaty@oldcastle.com	Phone: (303) 778-7227 Cell: (303) 489-1083 Fax: (303) 722-8426  www.usspec.com	<b>US SPEC Transpatch</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 3/24/2017
US Mix Company Andrew Beaty 112 South Santa Fe Drive Denver CO 80223 andrew.beaty@oldcastle.com	Phone: (303) 778-7227 Cell: (303) 489-1083 Fax: (303) 722-8426  www.usspec.com	<b>US SPEC Transpatch Concrete</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 9/3/2014
W.R. Meadows Chris Mader 300 Industrial Dr. Hampshire IL 60140 dot@wrmeadows.com	Phone: (847) 214-2100 Cell: (224) 325-1080 Fax:  www.wrmeadows.com	<b>Futura-15-Very Rapid-Hardening Hztl. Repair Mortar</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications.	approved 8/21/2008
Western Material & Design Zach Gebhardt 101 E Walnut Street Archie MO 64725 zgebhardt@wmdus.com	Phone: (816) 380-4747 Cell: Fax:  fastracproducts.com	<b>FasTrac 246</b>  The use of products on this list are limited to concrete collars placed around manholes, valves, covers, etc., unless pre-approved through Materials Division for other applications. Class R3 Mortar. Approved for all Districts.	approved 3/11/2021

**610.03.06 ARTICULATED CONCRETE BLOCK**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Basalite Concrete Products, LLC James Motarex 335 Greg Street Sparks NV 89431-6295 james.motarex@basalite.com	Phone: (775) 358-1200 Cell: (775) 745-1286 Fax: (775) 359-5997  www.basalite.com	<b>UltraFlex</b>  This is a general QPL ONLY; the unit will be selected based on the specific project requirements.	approved 11/18/2009

**610.03.06 ARTICULATED CONCRETE BLOCK**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
CONTECH Daniel Priest 9100 Centre Pointe Drive Suite 400 West Chester OH 43069 dpriest@conteches.com	<b>Armorflex</b> Phone: (800) 338-1122 Cell: (513) 645-7000 Fax: www.conteches.com	This is a general QPL ONLY; the unit will be selected based on the specific project requirements.	<b>approved</b> 10/23/2008
CONTECH Daniel Priest 9100 Centre Pointe Drive Suite 400 West Chester OH 43069 dpriest@conteches.com	<b>Petraflex</b> Phone: (800) 338-1122 Cell: (513) 645-7000 Fax: www.conteches.com	This is a general QPL ONLY; the unit will be selected based on the specific project requirements.	<b>approved</b> 10/23/2008
Shoretec Cody Colvin 510 O'Neal Lane Ext Baton Rouge LA 70819 ccolvin@premier-concrete.com	<b>Shoreblock</b> Phone: (225) 273-9600 Cell: (225) 328-0545 Fax: (225) 273-0400 www.shoretec.com	This is a general QPL ONLY; the unit will be selected based on the specific project requirements.	<b>approved</b> 3/23/2009
Shoretec Cody Colvin 510 O'Neal Lane Ext Baton Rouge LA 70819 ccolvin@premier-concrete.com	<b>Shoretac</b> Phone: (225) 273-9600 Cell: (225) 328-0545 Fax: (225) 273-0400 www.shoretec.com	This is a general QPL ONLY; the unit will be selected based on the specific project requirements.	<b>approved</b> 3/23/2009
Soil Retention Products, Inc. Nick Jansson 1265 Carlsbad Village Dr., Suite 100 Carlsbad CA 92008 njansson@soilrentention.com	<b>Enviroflex</b> Phone: (760) 966-6090 Cell: Fax: (760) 966-6099 www.soilretention.com	This is a general QPL ONLY; the unit will be selected based on the specific project requirements.	<b>approved</b> 8/23/2011

**613.02.01 DETECTABLE WARNINGS (ADA TILE)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
ADA Solutions, a Surewex Brand John Stieby 323 Andover Street Wilmington MA 01887 jstieby@surewex.com	<b>Iron Dome Cast Iron            Detectable Warning Plates</b> Phone: (910) 695-5462 Cell: Fax: (978) 262-9125 adatile.com	Approved for cast iron in Patina (natural).	<b>approved</b> 3/14/2022
Detectable Warning Systes, a div. of Mar- Bal, Inc. Ryan West 10095 Queens Way Chagrin Falls OH 44023 rwest@detectable-warning.com	<b>DWS Cast Iron</b> Phone: (440) 543-7526 Cell: (866) 999-7452 Fax: (904) 212-0022 www.detectable-warning.com	Approved for cast iron in Patina (natural).	<b>approved</b> 6/15/2022
MetaDome, LLC Duane Sippola P.O. Box 7534 Madison WI 53707 ds@metadome.com	<b>CAST-DWD Cast Iron</b> Phone: (608) 249-8644 Cell: (608) 692-0837 Fax: (608) 249-8922 www.metadome.com	Approved for cast iron in Patina (natural).	<b>approved</b> 9/20/2021





**616.03.01 FENCE POST BAG MIX CONCRETE**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
The QUIKRETE Companies, LLC Dave Wingard 500 Marathon Parkway Lawrenceville GA 30046 dave.wingard@quikrete.com	Phone: (404) 926-3128 Cell: (800) 282-5828 Fax: (770) 237-2548  www.quikrete.com	<b>Crack Resistant Concrete Mix</b>    approved 6 /22/2021
The QUIKRETE Companies, LLC Dave Wingard 500 Marathon Parkway Lawrenceville GA 30046 dave.wingard@quikrete.com	Phone: (404) 926-3128 Cell: (800) 282-5828 Fax: (770) 237-2548  www.quikrete.com	<b>Fiber Reinforced Deck Mix</b>    approved 6 /22/2021
The QUIKRETE Companies, LLC Dave Wingard 500 Marathon Parkway Lawrenceville GA 30046 dave.wingard@quikrete.com	Phone: (404) 926-3128 Cell: (800) 282-5828 Fax: (770) 237-2548  www.quikrete.com	<b>Form and Pour Concrete Mix MS</b>    approved 6 /22/2021
The QUIKRETE Companies, LLC Dave Wingard 500 Marathon Parkway Lawrenceville GA 30046 dave.wingard@quikrete.com	Phone: (404) 926-3128 Cell: (800) 282-5828 Fax: (770) 237-2548  www.quikrete.com	<b>QUIKRETE 1101 CONCRETE MIX 80LB</b>    approved 6 /22/2021

**618.02.01 GUARDRAIL OFFSET BLOCKS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Arizona Structural Laminators Ginger Wiltbank 2000 W. Central Ave. Eagar AZ 85925 gwiltbank@azglulam.com	Phone: (928) 333-5501 Cell: Fax: (928) 333-4403  www.azglulam.com	<b>Glue Laminated Wood</b> For use on w-beam and thrie-beam guardrails    approved 3 /10/2004
Mondo Polymer Technologies, Inc. Maggie Ellis 27620 State Rt. 7 / P.O. Box 250 Reno OH 45773 maggie@mondopolymer.com	Phone: (888) 607-4790 Cell: (740) 376-9396 Fax: (740) 376-9960  www.mondopolymer.com	<b>GB14SH1 Composite Guardrail Blockout</b> 8". For use on Midwestern Guardrail installations.    approved 12/17/2018
Mondo Polymer Technologies, Inc. Maggie Ellis 27620 State Route 7 / P.O. Box 250 Reno OH 45773 maggie@mondopolymer.com	Phone: (888) 607-4790 Cell: (740) 376-9396 Fax: (740) 376-9960  www.mondopolymer.com	<b>GB14SH2 Composite Guardrail Block</b> 8". For use on Midwestern Guardrail installations.    approved 12/17/2018
Mondo Polymer Technologies, Inc. Maggie Ellis 27620 State Rt. 7 / P.O. Box 250 Reno OH 45773 maggie@mondopolymer.com	Phone: (888) 607-4790 Cell: (740) 376-9396 Fax: (740) 376-9960  www.mondopolymer.com	<b>MGS14SH Composite Guardrail Blockout</b> 12". For use on Midwestern Guardrail installations.    approved 3 /27/2019

**618.02.01 GUARDRAIL OFFSET BLOCKS**

<b>Vendor Name / Address</b>		<b>Product Name</b>	<b>Remarks</b>	
Mondo Polymer Technologies, Inc. Maggie Ellis 27620 State Rt. 7 / PO Box 250 Reno OH 45773 maggie@mondopolymer.com	Phone: (888) 607-4790 Cell: (740) 376-9396 Fax: (740) 376-9960  www.mondopolymer.com	<b>TB21SH Composite Guardrail Blockout</b>	Usage permitted only when creating MGS transition or repairing existing three-beam.	approved 4 /1 /2020
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>12in King MASH16 Composite Block</b>	12". For use on Midwestern Guardrail installations.	approved 12/20/2021
Valtir, LLC Chelsea Dunn 15601 Dallas Parkway, Suite 525 Addison TX 75001 chelsea.dunn@trin.net	Phone: (214) 589-8056 Cell: Fax:  www.valtir.com	<b>8in King MASH16 Composite Block</b>	8". For use on Midwestern Guardrail installations.	approved 3 /11/2021

**618.02.01a GUARDRAIL TERMINAL**

<b>Vendor Name / Address</b>		<b>Product Name</b>	<b>Remarks</b>	
Lindsay Transportation Solutions, LLC Larry Savage 18135 Burke Street, Suite 100 Omaha NE 68022 larry.savage@lindsay.com	Phone: (402) 829-6800 Cell: (916) 474-9644 Fax: (402) 829-6834  www.lindsay.com/infrastructure	<b>MAX-Tension</b>	TANGENTIAL; MASH TL-3	approved 3 /27/2019
Lindsay Transportation Solutions, LLC Larry Savage 18135 Burke Street, Suite 100 Omaha NE 68022 larry.savage@lindsay.com	Phone: (402) 829-6800 Cell: (916) 474-9644 Fax: (402) 829-6834  www.lindsay.com/infrastructure	<b>MAX-Tension</b>	MEDIAN; MASH TL-3	approved 3 /27/2019
Road Systems Incorporated Kaddo Kothmann 3616 Old Howard County Airport Road Big Spring TX 79720 kaddo@basin-net.net	Phone: (432) 263-2435 Cell: (432) 517-0697 Fax: (432) 267-4039  www.roadsystems.com	<b>MSKT (MASH Sequentially Kinking Terminal)</b>	TANGENTIAL; MASH, TL-3 Compliant	approved 12/28/2016
Road Systems, Inc. Kaddo Kothmann 3616 Old Howard County Airport Road Big Spring TX 79720 kaddo@baisn-net.net	Phone: (432) 263-2435 Cell: (432) 517-0697 Fax: (432) 267-4039  www.roadsystems.com	<b>MFLEAT</b>	FLARED; MASH TL-3	approved 9 /17/2019
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>MATT Median Attenuating TREND Terminal</b>	MEDIAN; MASH TL-3	approved 9 /19/2022



**618.02.01a GUARDRAIL TERMINAL**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SoftStop</b> TANGENTIAL; MASH, TL-3 Compliant          <b>approved</b> 7/2/2018

**619.02.01a GUIDEPOSTS (FLEXIBLE)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Carsonite Composites Cynthia Young 19845 US Highway 76 Newberry SC 29108 cindy.young@valmont.com	Phone: (800) 648-7916 Cell: (803) 940-1190 Fax: (803) 276-8940  www.carsonite.com	<b>Flexguard Post System</b> Type 2; standard surface and soil/ground mount options available          <b>approved</b> 1/17/2013
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>FG 300 Complete Curb</b> MASH TL-3; Type 2; standard surface and soil/ground mount options available          <b>approved</b> 6/19/2009
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>FG 300 Model EFX</b> Type 2; standard surface and soil/ground mount options available          <b>approved</b> 6/19/2009
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>FG 300 Model PE</b> Type 2; standard surface and soil/ground mount options available          <b>approved</b> 10/15/1999
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>FG 300 Model UR</b> Type 2; standard surface and soil/ground mount options available          <b>approved</b> 10/15/1999
Pexco, LLC Craig Schulz 3110 70th Ave. East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com/traffic	<b>Flexi-Guide FG 348 Ground Mount</b> Type XI sheeting is required.          <b>approved</b> 9/17/2020
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>TSM Series</b>          <b>approved</b> 9/3/2014

**619.02.01a GUIDEPOSTS (FLEXIBLE)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
SHUR-TITE Products Gary Champ P.O. Box 965 Hutto TX 78634 gary@shur-tite.com	Phone: (512) 218-9500 Cell: Fax: (512) 388-0417  www.shur-tite.com	<b>Driveable Del</b> Type 2; standard surface and surface/soil mount options available  <b>approved</b> 4 /30/2009
SHUR-TITE Products Gary Champ P.O. Box 965 Hutto TX 78634 gary@shur-tite.com	Phone: (512) 218-9500 Cell: Fax: (512) 388-0417  www.shur-tite.com	<b>Shur-Flex Guardrail Clamp</b> Type 2; standard surface and surface/soil mount options available  <b>approved</b> 4 /30/2009
SHUR-TITE Products Gary Champ P.O. Box 965 Hutto TX 78634 gary@shur-tite.com	Phone: (512) 218-9500 Cell: Fax: (512) 388-0417  www.shur-tite.com	<b>Shur-Tite Cable Barrier</b> Type 2; standard surface and soil/ground mount options available  <b>approved</b> 4 /30/2009
SHUR-TITE Products Gary Champ P.O. Box 965 Hutto TX 78634 gary@shur-tite.com	Phone: (512) 218-9500 Cell: Fax: (512) 388-0417  www.shur-tite.com	<b>Socket Mt Del</b> Type 2; standard surface and surface/soil mount options available  <b>approved</b> 4 /30/2009
SHUR-TITE Products Gary Champ P.O. Box 965 Hutto TX 78634 gary@shur-tite.com	Phone: (512) 218-9500 Cell: Fax: (512) 388-0417  www.shur-tite.com	<b>Surface Mt Del</b> Type 2; standard surface and surface/soil mount options and angled mounts  <b>approved</b> 4 /30/2009
Three D Traffic Works Frank Dvoracek 430 North Varney Street Burbank CA 91502 sales@trafficwks.com	Phone: (877) 843-9757 Cell: (323) 849-1316 Fax: (818) 841-5096  www.trafficwks.com	<b>TD 5500 Earthflex Del</b> Type 2; soil mount only  <b>approved</b> 12/3 /2002
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>RT 360 HD BD Tub</b> Type 2; minimum embedment depth: 430 mm (17 inches); standard surface and surface/soil mount options available  <b>approved</b> 10/5 /2008
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>RT 360 HD Tub</b> Type 2; minimum embedment depth: 430 mm (17 inches); standard surface and surface/soil mount options available  <b>approved</b> 10/5 /2008

**619.02.01a GUIDEPOSTS (FLEXIBLE)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SH Barrier Replaceable</b> Type 2; minimum embedment depth: 430 mm (17 inches); standard surface and surface/soil mount options available  <b>approved</b> 10/5 /2008
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SH Dura Post</b> Type 2; minimum embedment depth: 430 mm (17 inches); standard surface and surface/soil mount options available  <b>approved</b> 10/5 /2008
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SH K-Marker</b> Type 2; minimum embedment depth: 430 mm (17 inches); standard surface and surface/soil mount options available  <b>approved</b> 10/5 /2008
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SH Tubular</b> Type 2; minimum embedment depth: 430 mm (17 inches); standard surface and surface/soil mount options available  <b>approved</b> 10/5 /2008

**619.02.01b OBJECT MARKERS (FLEXIBLE, TYPE 2)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>FG 300 Complete Curb</b> MASH TL-3; Type 2; standard surface and surface/soil mount options available  <b>approved</b> 6 /19/2009
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>FG 300 Model PE</b> Type 2; standard surface and surface/soil mount options available  <b>approved</b> 6 /19/2009
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>FG 300 Model UR</b> Type 2; standard surface and surface/soil mount options available  <b>approved</b> 6 /19/2009
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>FG 300 Turn Pike Curb</b> MASH TL-3; Type 2; standard surface and surface/soil mount options available  <b>approved</b> 6 /19/2009

**619.02.01b OBJECT MARKERS (FLEXIBLE, TYPE 2)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>Type K Island Marker</b>  Type 2; standard surface and surface/soil mount options available	approved 9/13/2007
SHUR-TITE Products Gary Champ P.O. Box 965 Hutto TX 78634 gary@shur-tite.com	Phone: (512) 218-9500 Cell: Fax: (512) 388-0417  www.shur-tite.com	<b>Shur-Flex Driveable</b>  Type 2; standard surface and surface/soil mount options available	approved 2/2/2010
Three D Traffic Works Frank Dvoracek 430 North Varney Street Burbank CA 91502 sales@trafficwks.com	Phone: (877) 843-9757 Cell: (323) 849-1316 Fax: (818) 841-5096  www.trafficwks.com	<b>TD 5215 K Marker</b>  Type 2; standard surface and surface/soil mount options available	approved 12/3/2002
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>RT 360 HD Bolt Down</b>  Type 2; standard surface and surface/soil mount options available; minimum embedment depth: 430 mm (17 inches)	approved 10/5/2008
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>RT 360 HD Tubular</b>  Type 2; standard surface and surface/soil mount options available; minimum embedment depth: 430 mm (17 inches)	approved 10/5/2008
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SH Dura Post 36"</b>  Type 2; standard surface and surface/soil mount options available; minimum embedment depth: 430 mm (17 inches)	approved 10/5/2008
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SH K-Marker Series</b>  Type 2; standard surface and soil/ground mount options available	approved 10/5/2008
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SH Replaceable Barrier</b>  Type 2; standard surface and surface/soil mount options available; minimum embedment depth: 430 mm (17 inches)	approved 10/5/2008

**619.02.01b OBJECT MARKERS (FLEXIBLE, TYPE 2)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SH Tubular</b> Type 2; standard surface and soil/ground mount options available          <b>approved</b> 10/5 /2008

**623.02.08 SERVICE PEDESTALS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Milbank Manufacturing Company Dave Stipe 4801 Deramus Avenue Kansas City MO 64120 dstipe@milbankmfg.com	Phone: (660) 463-0827 Cell: (714) 743-0712 Fax:  www.milbankmfg.com	<b>Metered Service Pedestals</b>          <b>approved</b> 1 /15/2002
Myers Power Products Diana Grootonk 2950 East Philadelphia Street Ontario CA 91761 quotes-PEDS@myerspower.com	Phone: (909) 923-1800 Cell: (949) 375-3399 Fax: (909) 923-1806  www.myerspowerproducts.com	<b>Service Pedestals</b> +UPS/BBS          <b>approved</b> 9 /5 /2000
Tesco Controls Incorporated Curt Vasey 8440 Florin Road Sacramento CA 95828 cvasey@tescocontrols.com	Phone: (916) 395-8800 Cell: (916) 765-0523 Fax: (916) 403-0013  www.tescocontrols.com	<b>Tescoflex Service Pedestals</b>          <b>approved</b> 11/21/2002

**623.02.12c HIGH MAST HEAD FRAME ASSEMBLY**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Carolina High Mast Daniel Thomas 700 East McLeroy Boulevard Suite A Saginaw TX 76179 dthomas@chmindustries.com	Phone: (682) 286-0046 Cell: (817) 586-9845 Fax: (682) 286-0086  www.chmindustries.com	<b>Series 426</b> Ext. 2156. Bottom latching          <b>approved</b> 12/30/2003
Holophane Corporation Michele Janson 1839 Dutchman Drive Sparks NV 89434 michele.janson@acuitybrands.com	Phone: (775) 431-4390 Cell: Fax:  www.holophane.com	<b>Series Holophane LD5 Lighting Lowering D</b> Bottom latching          <b>approved</b> 1 /2 /2004
Stratus Products Bill Shoemaker 3900 Lubbock Avenue Fort Worth TX 76110 bill@s-steel.com	Phone: (817) 878-3141 Cell: (800) 782-5804 Fax:  www.s-steel.com	<b>Model 2060 with a lowering device</b> Bottom latching. Company is a division of Structural & Steel Products, Inc.          <b>approved</b> 12/20/2021

**623.02.16 DUCT SEALING COMPOUND**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
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**623.02.16 DUCT SEALING COMPOUND**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Ideal Industries Incorporated Customer Service Becker Place Sycamore IL 60178 contactus@idealindustries.com	Phone: (800) 435-0705 Cell: Fax: (800) 533-4483 www.idealind.com	<b>Duct Seal</b>     approved 10/7 /2009

**623.02.30e LOOP DETECTOR SEALANT**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
3M Automotive Aftermarket Division Rebecca Zappala 3M Center Bldg. 250-3E-02 St. Paul MN 55144 rzappala@mmm.com	Phone: (651) 736-6952 Cell: Fax: www.3mcollision.com	<b>5000 Rubberized Loop</b> Rubberized asphalt material    approved 6 /16/2000

3M Automotive Aftermarket Division Rebecca Zappala 3M Center Bldg. 250-3E-02 St. Paul MN 55144 rzappala@mmm.com	Phone: (651) 736-6952 Cell: Fax: www.3mcollision.com	<b>P/N 606 Detector Loop</b> Rubberized asphalt material    approved 6 /16/2000
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Crafco, Inc. Angie Hoaglin 6165 W. Detroit Street Chandler AZ 85226 angie.hoaglin@crafco.com	Phone: (602) 276-0406 Cell: (602) 418-9902 Fax: (480) 961-0513 www.crafco.com	<b>271 Loop Detector</b> Rubberized asphalt material    approved 8 /5 /1998
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Crafco, Inc. Angie Hoaglin 6165 W. Detroit Street Chandler AZ 85226 angie.hoaglin@crafco.com	Phone: (602) 276-0406 Cell: (602) 418-9902 Fax: (480) 961-0513 www.crafco.com	<b>272 Loop Detector</b> Rubberized asphalt material    approved 8 /5 /1998
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Durant Performance Coating, Inc. Al Losanno 112 Railroad Street Revere MA 02151 alosanno@durantcorp.com	Phone: (800) 420-0021 Cell: (781) 289-1400 Fax: (781) 289-1405 www.durantcorp.com	<b>Stat-a-Flex Polyester Loop</b> Polyester material    approved 11/19/1996
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RAI Products Incorporated John Rosenblatt Jr. PO Box 240772 Charlotte NC 28224 john@raiproducts.com	Phone: (704) 525-1852 Cell: (704) 904-1481 Fax: (704) 525-1859 www.raiproducts.com	<b>Perm Sealer 974 Nitrile</b> Nitrile rubber material    approved 12/19/1996
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RAI Products Incorporated John Rosenblatt Jr. PO Box 240772 Charlotte NC 28224 john@raiproducts.com	Phone: (704) 525-1852 Cell: (704) 904-1481 Fax: (704) 525-1859 www.raiproducts.com	<b>Pro Seal 6006 Polyester</b> Polyester material    approved 12/19/1996
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**623.02.30e LOOP DETECTOR SEALANT**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Reed & Graham Company Peter Fitzpatrick 690 Sunol Street San Jose CA 95126 peter@rginc.com	Phone: (408) 287-1400 Cell: (408) 421-2833 Fax: (408) 294-3696 www.rginc.com	<b>Overkote Loop Filler</b> Asphaltic emulsion material approved 8 /5 /1998

**623.02.37 DYNAMIC MESSAGE SIGNS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Daktronics Incorporated Kyle Niemeyer 201 Daktronics Dr. Brookings SD 57006 kyle.niemeyer@daktronics.com	Phone: (605) 692-0200 Cell: (970) 413-4978 Fax: (605) 697-4700 www.daktronics.com	<b>Dynamic Message Signs</b> Type 1 and Type 2 approved 1 /7 /2004
SES America, Inc. Chad Bodemann 720 Washington St. Pembroke MA 02359 cbodemann@sunrisesesatech.com	Phone: (781) 826-9706 Cell: (781) 857-8819 Fax: www.sunrisesesatech.com	<b>Dynamic Message Signs</b> Type 1 and Type 2 approved 6 /11/2020

**623.03.01 TRAFFIC SIGNALS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Current by GE Patrick Rossetti 1975 Noble Road E. Cleveland OH 44112 patrick.rossetti@ge.com	Phone: (617) 817-1555 Cell: Fax: (954) 337-0633 www.led.com	<b>GTx LED Signal Modules</b> approved 8 /7 /2019
Dialight Corporation John Vines 1501 Route 34 South Farmingdale NJ 07727 jvines@dialight.com	Phone: (732) 919-3119 Cell: (732) 751-5883 Fax: (732) 751-3183 www.dialight.com	<b>LED 12" Signal Heads (all) 16"x18" Ped Signal Hea</b> Must be intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications approved 3 /26/2002
Excellence Opto, Inc. Cheryl Huang 21858 Garcia Lane City of Industry CA 91789 vendor@eoius.com	Phone: (909) 468-0550 Cell: (626) 823-8639 Fax: (909) 468-0554 www.eoius.com	<b>LED Traffic Signal</b> 12" TRV-R12SG-D2T Red, TRV-Y12SG-D2T Yellow, and TRV-G12SG-D2T Green Must be intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications. approved 6 /17/2008
Excellence Opto, Inc. Cheryl Huang 21858 Garcia Lane City of Industry CA 91789 vendor@eoius.com	Phone: (909) 468-0550 Cell: (626) 823-8639 Fax: (909) 468-0554 www.eoius.com	<b>Pedestrian Traffic Signal</b> 12" TRV-R12SG-D2T Red, TRV-Y12SG-D2T Yellow, and TRV-G12SG-D2T Green Must be intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications. approved 6 /17/2008



**623.03.01 TRAFFIC SIGNALS**

<i>Vendor Name / Address</i>		<i>Product Name</i>	<i>Remarks</i>	
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@leotek.com	Phone: (408) 380-1788 Cell: (903) 399-8055 Fax: (408) 518-8128  www.leotek.com	<b>LED 12" Signal Heads (all) 16"x18" Tinted Ped</b>	Must be Intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications	<b>approved</b> 4 /6 /2010
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@leotek.com	Phone: (903) 935-2695 Cell: (903) 399-8055 Fax: (408) 518-8128  www.leotek.com	<b>TSL-12GA-IL6-A1-P3</b>	Must be Intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications	<b>approved</b> 9 /25/2017
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@leotek.com	Phone: (903) 935-2695 Cell: (903) 399-8055 Fax: (408) 518-8128  www.leotek.com	<b>TSL-12G-LX-IL6-A1-P3</b>	Must be Intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications	<b>approved</b> 4 /2 /2015
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@leotek.com	Phone: (903) 935-2695 Cell: (903) 399-8055 Fax: (408) 518-8128  www.leotek.com	<b>TSL-12RA-IL6-A1-P3</b>	Must be Intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications	<b>approved</b> 9 /25/2017
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@leotek.com	Phone: (903) 935-2695 Cell: (903) 399-8055 Fax: (408) 518-8128  www.leotek.com	<b>TSL-12R-LX-IL6-A1-P3</b>	Must be Intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications	<b>approved</b> 4 /2 /2015
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@leotek.com	Phone: (903) 935-2695 Cell: (903) 399-8055 Fax: (408) 518-8128  www.leotek.com	<b>TSL-12YA-IL6-A1-P3</b>	Must be Intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications	<b>approved</b> 9 /25/2017
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@leotek.com	Phone: (903) 935-2695 Cell: (903) 399-8055 Fax: (408) 518-8128  www.leotek.com	<b>TSL-12Y-LX-IL6-A1-P3</b>	Must be Intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications	<b>approved</b> 4 /2 /2015
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@leotek.com	Phone: (408) 380-1788 Cell: (903) 935-8055 Fax: (408) 518-8128  www.leotek.com	<b>TSL-PED-16-DIL 16" LED FH/MP Indication</b>	Must be Intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications	<b>approved</b> 4 /6 /2010



**623.03.01 TRAFFIC SIGNALS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Leotek Electronics USA, LLC Gail Lawrence 1955 Lundy Avenue San Jose CA 95131 gail.lawrence@liteon.com	Phone: (408) 380-1788 Cell: (903) 935-8055 Fax: (408) 518-8128  https://leotek.com/	<b>TSL-PED-16-SPC-V1</b>  Must be intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications. Replaced model TSL-PED-16-CIL-P1.
TraStar Incorporated Jennifer Murray 860 North Dorothy Drive Suite 600 Richardson TX 75081 jenniferm@trastarusa.com	Phone: (972) 480-0888 Cell: Fax: (972) 480-8884  www.trastarusa.com	<b>JXC-300HFT Series LED Vehicular Lamps</b>  Must be intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications
TraStar Incorporated Jennifer Murray 860 North Dorothy Drive Suite 600 Richardson TX 75081 jenniferm@trastarusa.com	Phone: (972) 480-0888 Cell: Fax: (972) 480-8884  www.trastarusa.com	<b>JXJ300-07T</b>  Must be intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications
TraStar Incorporated Jennifer Murray 860 North Dorothy Drive Suite 600 Richardson TX 75081 jenniferm@trastarusa.com	Phone: (972) 480-0888 Cell: Fax: (972) 480-8884  www.trastarusa.com	<b>JXM 400 VIE Series Countdown Pedestrian Lamps</b>  Must be intertek ETL verified to be compliant to the most current ITE VTCSH-LED or PTCSI-LED specifications

**623.03.15 SIGN LIGHTING FIXTURES**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Lumi Trak, Inc. Jeff Harper PO Box 158 Shrewsbury PA 17361 jeff@lumitrak.com	Phone: (717) 235-2863 Cell: (717) 779-8628 Fax: (717) 235-5076  www.lumitrak.com	<b>LT2000 SL120MOD</b>  approved 9/25/2017

**623.03.22 LUMINAIRE RETRIEVAL SYSTEM**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Lumi Trak Incorporated Iris Townsend PO Box 158 Shrewsbury PA 17361 iris@lumitrak.com	Phone: (717) 235-2863 Cell: (717) 818-8203 Fax: (717) 235-5076  www.lumitrak.com	<b>Lumi Trak</b>  approved 10/11/2000

**623.05.26 RED LIGHT DETECTORS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
McCain Incorporated Carol Jarvis-Murphy 2365 Oak Ridge Way Vista CA 92081 cmurphy@mccain-inc.com	Phone: (760) 734-5027 Cell: (750) 727-8100 Fax: (760) 597-7108  www.mccain-inc.com	<b>Red Light Detector</b>  approved 7/16/2003



**625.02.02 MARKERS (REFLECTIVE ON CONCRETE BARRIER RAILS)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
RetroFlex, LLC Terry Anest 6185 Element Lane Roseville CA 95747 tanest@retroflexllc.com	Phone: (916) 305-8687 Cell: (916) 305-8687 Fax: www.retroflexllc.com	<b>RF3N1 RetroFlex Reflector</b> approved 6/11/2020
SHUR-TITE Products Gary Champ P.O. Box 965 Hutto TX 78634 gary@shur-tite.com	Phone: (512) 218-9500 Cell: Fax: www.shur-tite.com	<b>Trafco CTB16 Concrete Barrier Wall Flex Delineator</b> Do not use Type III sheeting approved 12/10/2020
SHUR-TITE Products Gary Champ P.O. Box 965 Hutto TX 78634 gary@shur-tite.com	Phone: (512) 218-9500 Cell: Fax: www.shur-tite.com	<b>Trafco CTB3 Concrete Barrier Wall Flex Delineator</b> Do not use Type III sheeting approved 12/10/2020
Three D Traffic Works Frank Dvoracek 430 North Varney Street Burbank CA 91502 sales@trafficwks.com	Phone: (877) 843-9757 Cell: (323) 849-1316 Fax: (818) 841-5096 www.trafficwks.com	<b>TD 9300 Roadguide</b> approved 12/3/2002
Three D Traffic Works Frank Dvoracek 430 North Varney Street Burbank CA 91502 sales@trafficwks.com	Phone: (877) 843-9757 Cell: (323) 849-1316 Fax: (818) 841-5096 www.trafficwks.com	<b>TD 9400 Roadguide</b> approved 12/3/2002

**625.02.03 CHANGEABLE MESSAGE SIGNS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
No Vendors at this time *** *** *** ** ***	Phone: *** Cell: Fax:	MASH-16 crash testing standards are in effect for this category on 12/31/19. Awaiting submission of qualifying products from Industry to repopulate category. approved 12/31/2019

**625.02.04 IMPACT ATTENUATOR (TEMPORARY)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Hill & Smith, Inc. Cecil Brown 987 Buckeye Park Road Columbus OH 43207 cecil.brown@hillandsmith.com	Phone: (614) 340-6294 Cell: Fax: www.hillandsmith.com	<b>SCI100GM</b> MASH TL-3. Install per manufacture recommendations. approved 2/23/2007

**625.02.04 IMPACT ATTENUATOR (TEMPORARY)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Lindsay Transportation Solutions, LLC Larry Savage 180 River Road Rio Vista CA 94571 larry.savage@lindsay.com	Phone: (707) 374-6800 Cell: (916) 474-9644 Fax: (707) 374-6801  www.barriersystemsinc.com	<b>ABSORB-M Non-Redirective Crash Cushion</b>	MASH TL-3; water filled. Install per manufacture recommendations.  approved 9/17/2019
Lindsay Transportation Solutions, LLC Larry Savage 180 River Road Rio Vista CA 94571 larry.savage@lindsay.com	Phone: (707) 374-6800 Cell: (916) 474-9644 Fax: (707) 374-6801  www.lindsay.com/transportation-solutions	<b>Universal TAU-M</b>	MASH TL-3. Install per manufacture recommendations.  approved 7/22/2019
Traffix Devices, Inc. Howard Tolliver 160 Avenida La Pata San Clemente CA 92673 htolliver@traffixdevices.com	Phone: (949) 361-5663 Cell: (859) 469-0364 Fax:  see remarks	<b>Delta Crash Cushion</b>	MASH TL-3; <a href="https://www.traffixdevices.com/products/attenuators/delta">https://www.traffixdevices.com/products/attenuators/delta</a>  approved 12/20/2021
Traffix Devices, Inc. Cary LeMonds 160 Avenida La Pata San Clemente CA 92673 CLeMonds@TraffixDevices.com	Phone: (801) 979-7099 Cell: Fax: (949) 573-9290  www.TraffixDevices.com	<b>Sentry Longitudinal Energy Dissipater (SLED)</b>	MASH TL-3; water-filled. Install per manufacture recommendations.  approved 4/9/2020
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>QuadGuard Elite M10</b>	MASH TL-3; 24 and 69 inch widths approved; Install per manufacturer's recommendations.  approved 3/11/2021
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>QuadGuard M Wide</b>	MASH TL-3; Install per manufacture recommendations.  approved 3/11/2021
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>QuadGuard M10</b>	MASH TL-3. Install per manufacture recommendations.  approved 3/27/2019

**625.02.05 IMPACT ATTENUATOR (TRUCK MOUNTED)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Gregory Industries, Inc. Rick Mauer 4100 13th Street SW Canton OH 44710 rmauer@gregoryhighway.com	Phone: (330) 477-4800 Cell: Fax: (330) 477-0626  www.gregoryhighway.com	<b>TTMA-200 Trailer Truck Mounted Attenuator</b>	MASH TL-3. Trailer Mounted - Min. support vehicle weight of 10,000lbs (4,535.9kg), Max. support vehicle weight: unlimited. Unit selected must have a manufacturer recommended installation for the design speed specified in the bid item.  approved 9/17/2019

**625.02.05 IMPACT ATTENUATOR (TRUCK MOUNTED)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>	
Traffix Devices, Inc. Cary W. LeMonds 2267 East Crimson Ridge Drive Saint George UT 84790 CLeMonds@TraffixDevices.com	Phone: (801) 979-7099 Cell: (949) 361-5663 Fax: (949) 573-9290  www.traffixdevices.com	<b>Scorpion II TA</b>	MASH TL-3, trailer-mounted     approved 4 /1 /2020
Traffix Devices, Inc. Cary W. LeMonds 2267 East Crimson Ridge Drive Saint George UT 84790 CLeMonds@TraffixDevices.com	Phone: (801) 979-7099 Cell: (949) 361-5663 Fax: (949) 573-9290  www.traffixdevices.com	<b>Scorpion II TMA</b>	MASH TL-3     approved 1 /27/2019
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison NV 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SMT</b>	MASH TL-3, trailer mounted     approved 9 /17/2020
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison NV 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>SS180M</b>	MASH TL-3     approved 9 /17/2020
Verdegro USA, LLC Herman Harderwijk 1700 W. Irving Park Road, Suite 302 Chicago IL 60613 sales@verdegro.com	Phone: (786) 408-5709 Cell: Fax: (786) 431-3097  www.BLADE-TMA.com and www.verdegro.	<b>BLADE TMA</b>	MASH TL-3. Alt# is +31615839389.     approved 7 /22/2019

**625.02.06 ALTERNATIVE PORTABLE BARRIER RAIL**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>	
Easi-Set Worldwide Chris Reese P.O. Box 400 Midland VA 22728 creese@easiset.com	Phone: (540) 439-8911 Cell: (540) 272-7267 Fax: (540) 439-2541  www.easiset.com and www.jjhooks.com	<b>J-J Hooks Portable Concrete Barrier Rail</b>	MASH TL-3; Freestanding, Pinned, or Bolted.     approved 4 /1 /2020
Hill & Smith, Inc. Cecil Brown 987 Buckeye Park Road Columbus OH 43207 cecil.brown@hillandsmith.com	Phone: (614) 340-6294 Cell: Fax:  www.hillandsmith.com	<b>ZoneBloc +</b>	MASH TL-3 compliant. Install freestanding or pinned per manufactures requirements.     approved 1 /11/2022
Hill and Smith, Inc. Cecil Brown 987 Buckeye Park Road Columbus OH 43207 cecil.brown@hillandsmith.com	Phone: (614) 340-6294 Cell: Fax:  www.hillandsmith.com	<b>Zoneguard Steel Barrier</b>	MASH TL-3; install per manufacturer's requirements.     approved 12/31/2019

**625.02.06 ALTERNATIVE PORTABLE BARRIER RAIL**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Valtir, LLC Jim Thonn 15601 Dallas Parkway, Suite 525 Addison TX 75001 jim.thonn@trin.net	Phone: (312) 705-8424 Cell: Fax:  www.valtir.com	<b>HighwayGuard</b> MASH TL-3; install per manufacturer's recommendations.    approved 9 /20/2021
Valtir, LLC Joe Duque 15601 Dallas Parkway, Suite 525 Addison TX 75001 joseph.duque@valtir.com	Phone: (888) 323-6374 Cell: Fax:  www.valtir.com	<b>HighwayGuard MDS</b> MASH TL-3    approved 3 /15/2023
Valtir, LLC Joe Duque 15601 Dallas Parkway, Suite 525 Addison TX 75001 joseph.duque@valtir.com	Phone: (888) 323-6374 Cell: Fax:  www.valtir.com	<b>HighwayGuard Soil</b> MASH TL-3    approved 3 /15/2023

**625.02.07 PORTABLE BEACON LIGHT SYSTEM**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
K&K Systems Incorporated Alice Bingham 687 Palmetto Road Tupelo MS 38801 ali@k-systems.com	Phone: (888) 414-3003 Cell: (662) 566-2025 Fax: (662) 566-7123  www.k-systems.com	<b>Safety Beacon Light</b>     approved 1 /6 /1998

**625.03.03 SIGN SUPPORT SYSTEM**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Marketing Displays International Eric Larson 38271 W. 12 Mile Road Farmington Hills MI 48331 tcpsales@mdiworldwide.com	Phone: (800) 521-6776 Cell: Fax: (248) 488-5700  www.mditraficcontrol.com	<b>S0SM-NS</b> MASH TL-3. Roll-up signs only.    approved 9 /17/2020
Pacific Safety dba Dicke Safety Michael Burke 1845 Anunsen St. NE Salem OR 97301 mike@dicketool.com	Phone: (206) 818-9277 Cell: (800) 333-5641 Fax: (800) 695-6054  www.dicketool.com	<b>UF2000w</b> MASH TL-3. Roll-up signs only.    approved 12/10/2020
Plasticade Henry Ross 100 Howard Avenue Des Plaines IL 60018 hross@plasticade.com	Phone: (800) 772-0355 Cell: (773) 294-4942 Fax:  www.plasticade.com	<b>Plasticade SS300 Compact Sign Stand</b> MASH TL-3. Roll-up signs only.    approved 9 /17/2020



**625.03.04 BARRICADES**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Crashworthy Traffic Control, LLC Juan Banuelos 2265 Highland Vista Drive Arcadia CA 91006 juanbanuelos88@gmail.com	Phone: (626) 500-3800 Cell: (626) 662-7094 Fax: www.crashworthy.net	<b>Crashworthy MASH Barricade / Sign Support System</b> MASH TL-3; Type III with or without signs and/or light. approved 6 /15/2022
Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080 www.pexco.com	<b>Barricade</b> Type 3B; with or without lights approved 11/5 /2009
Plasticade Henry Ross 100 Howard Avenue Des Plaines IL 60018 hross@plasticade.com	Phone: (800) 772-0355 Cell: (773) 294-4942 Fax: (847) 966-8074 www.plasticade.com	<b>Plasticade Angle Iron Type III Barricade</b> Type 3 approved 12/31/2012
Plasticade Henry Ross 100 Howard Avenue Des Plaines IL 60018 hross@plasticade.com	Phone: (800) 772-0355 Cell: (773) 294-4942 Fax: (847) 966-8074 www.plasticade.com	<b>Plasticade Telespar Type III Barricade</b> Type 3 approved 12/31/2012
Plasticade Henry Ross 100 Howard Avenue Des Plaines IL 60018 hross@plasticade.com	Phone: (800) 772-0355 Cell: (773) 294-4942 Fax: (847) 966-8074 www.plasticade.com	<b>Sentinel</b> Type 3 approved 2 /21/2007
PSS Benjamin Gascoigne 2444 Baldwin Road Cleveland OH 44104 bwg1@PSS-Innovations.com	Phone: (800) 662-6338 Cell: (216) 658-7556 Fax: (216) 231-2702 www.PSS-Innovations.com	<b>Anchor Mast Barricade</b> Type 3; with or without lights approved 5 /5 /2010
PSS Benjamin Gascoigne 2444 Baldwin Road Cleveland OH 44104 bwg1@pss-innovations.com	Phone: (800) 662-6338 Cell: (216) 658-7556 Fax: (216) 231-2702 pss-innovations.com	<b>LaneGard 3</b> MASH TL-3; Type 3 approved 6 /11/2020

**627.02.01 THERMOPLASTIC SIGN PANELS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
No Vendors at this Time *** *** ***	Phone: Cell: Fax:	<b>***</b> approved 11/4 /2008



**630.02.01 HEADLIGHT GLARE SCREENS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Carsonite Composites Int'l Cynthia Young 19845 US Highway 76 Newberry SC 29108 cindy.young@valmont.com	Phone: (800) 648-7916 Cell: (803) 940-1190 Fax: (803) 276-8940  www.carsonite.com	<b>Modular Guidance System</b>    approved 10/1 /2008
Flexstake Incorporated Robert K. Hughes, Jr. 2150 Andrea Lane #C Ft Meyers FL 33912 jim@flexstake.com	Phone: (800) 348-9839 Cell: (239) 481-3539 Fax: (239) 482-3539  www.flexstake.com	<b>Glare Screen System</b>    approved 7 /31/1996
Plasticade Henry Ross 100 Howard Avenue Des Plaines IL 60018 hross@plasticade.com	Phone: (800) 772-0355 Cell: (773) 294-4942 Fax:  www.plasticade.com	<b>Plasticade Modular Glare Screen</b>    approved 6 /11/2020
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>Glare Screen System</b>    approved 7 /31/1996

**632.03.05 RETROREFLECTOMETERS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com/	<b>LTL-2000 discontinuing</b>    10/08 LTL 2000 Geometry Retroreflector was discontinued but still qualifies  approved 6 /1 /1999
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com/	<b>LTL-X 30 Meter Geometry</b>    approved 6 /1 /1999
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com/	<b>LTL-X Mark II</b>    approved 9 /25/2017
Mirolux Products Incorporated William Kaiser 12571 S. Deer Canyon Lane Draper UT 84020-3105 sales@miroluxproducts.com	Phone: (801) 718-7089 Cell: Fax: (801) 571-3394  www.miroluxproducts.com	<b>Mirolux Ultra 30</b>    approved 12/26/1999

**632.03.05 RETROREFLECTOMETERS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
RetroTekUSA, Inc. Joe Turley 8 The Green, Suite #13817 Dover DE 19901 jturley@retrotekusa.com	Phone: (469) 619-0899 Cell: Fax:  www.retrotekusa.com	<b>RetroTek-D</b> Alt phone +353 87 2555376.    approved 3 /15/2023
RoadVista Eric Nelson 9925 Carroll Canyon Road San Diego CA 92131 enelson@roadvista.com	Phone: (858) 279-6044 Cell: (800) 637-2758 Fax: (858) 576-9286  www.roadvista.com	<b>LaserLux CEN 30</b> <b>LaserLux CEN 30 Mobile</b> 10/08 MX 30 Retroreflectometer was discontinued but still qualifies; 12/16 CEN 30 both the mobile and portable units have been discontinued but still qualify.  approved 12/5 /2016
RoadVista Eric Nelson 9925 Carroll Canyon Road San Diego CA 92131 enelson@roadvista.com	Phone: (858) 279-6044 Cell: (800) 637-2758 Fax: (858) 576-9286  www.roadvista.com	<b>LaserLux G7 Mobile</b>    approved 9 /25/2017
RoadVista Eric Nelson 9925 Carroll Canyon Road San Diego CA 92131 enelson@roadvista.com	Phone: (858) 279-6044 Cell: (800) 637-2758 Fax: (858) 576-9286  www.roadvista.com	<b>StripeMaster Series I</b>    approved 5 /27/2010
RoadVista Eric Nelson 9925 Carroll Canyon Road San Diego CA 92131 enelson@roadvista.com	Phone: (858) 279-6044 Cell: (800) 637-2758 Fax: (858) 576-9286  www.roadvista.com	<b>StripeMaster Series II</b>    approved 5 /27/2010

**633.02.01 PAVEMENT MARKERS (NON-REFLECTIVE, PERMANENT)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Alpine Products Bart Farrar 550 3rd Street SW, Building C Auburn WA 98001 bart@alpinemarkings.com	Phone: (253) 351-9828 Cell: Fax: (253) 735-6303  www.alpinemarkings.com	<b>DDOT ABS</b> 100 mm (4") round    approved 6 /2 /1999
Apex Universal Incorporated Janet Yang 11033 Forest Place Santa Fe Springs CA 90670 sales@apexmarker.com	Phone: (562) 944-8878 Cell: (562) 879-6888 Fax: (562) 944-2298  www.apexmarker.com	<b>929 ABS</b> 100 mm (4") round    approved 6 /1 /1999
Apex Universal Incorporated Janet Yang 11033 Forest Place Santa Fe Springs CA 90670 sales@apexmarker.com	Phone: (562) 944-8878 Cell: (562) 879-6888 Fax: (562) 944-2298  www.apexmarker.com	<b>929 PP</b> 100 mm (4") round    approved 6 /1 /1999

**633.02.01 PAVEMENT MARKERS (NON-REFLECTIVE, PERMANENT)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Apex Universal Incorporated Janet Yang 11033 Forest Place Santa Fe Springs CA 90670 sales@apexmarker.com	Phone: (562) 944-8878 Cell: (562) 879-6888 Fax: (562) 944-2298  www.apexmarker.com	<b>Ceramic</b> 100 mm (4") round    approved 6 /1 /1999
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com/	<b>B10</b> 100 mm (4") round    approved 12/20/2017
Interstate Sales Mike Trentman 12600 Locksley Lane, Suite 200 Auburn CA 95602 mike@interstatesales.com	Phone: (800) 237-7245 Cell: (530) 823-6070 Fax:  www.interstatesales.com	<b>Diamond Back (ABS &amp; Polypropylene)</b> 100 mm (4") round (ABS & Polypropylene)    approved 8 /5 /2002
Three D Traffic Works Frank Dvoracek 430 North Varney Street Burbank CA 91502 sales@trafficwks.com	Phone: (877) 843-9757 Cell: (323) 849-1316 Fax: (818) 841-5096  www.trafficwks.com	<b>TD 10000 Series</b> 100 mm (4") round    approved 12/4 /2002

**633.02.02 PAVEMENT MARKERS (REFLECTIVE, PERMANENT)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>290 Durable Raised</b> 89 mm x 100 mm (3.6"x4")    approved 6 /1 /1999
Apex Universal Incorporated Janet Yang 11033 Forest Place Santa Fe Springs CA 90670 sales@apexmarker.com	Phone: (562) 944-8878 Cell: (562) 879-6888 Fax: (562) 944-2298  www.apexmarker.com	<b>921 AR</b>    approved 6 /1 /1999
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com	<b>C80-FH Raised Pavement Marker</b>    approved 2 /6 /2002
Ray-O-Lite A Division of Pac-Tec Inc Mary Haddad 5825 N. Sam Houston Parkway W, Ste. 220 Houston TX 77086 customerservice@rayolite.com	Phone: (800) 848-7025 Cell: (281) 617-2240 Fax: (281) 583-1506  www.rayolite.com	<b>AA</b> 100 mm x 100 mm (4"x4")    approved 6 /1 /1999

**633.02.02 PAVEMENT MARKERS (REFLECTIVE, PERMANENT)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Ray-O-Lite A Division of Pac-Tec Inc Mary Haddad 5825 N. Sam Houston Parkway W, Ste. 220 Houston TX 77086 customerservice@rayolite.com	Phone: (800) 848-7025 Cell: (281) 617-2240 Fax: (281) 583-1506  www.rayolite.com	<b>ARC</b> 100 mm x 100 mm (4"X4")       approved 6 /1 /1999
Ray-O-Lite A Division of Pac-Tec Inc Mary Haddad 5825 N. Sam Houston Parkway W, Ste. 220 Houston TX 77086 customerservice@rayolite.com	Phone: (800) 848-7025 Cell: (281) 617-2240 Fax: (281) 583-1506  www.rayolite.com	<b>Round Shoulder ARC</b> 100 mm x 100 mm (4"X4")       approved 6 /1 /1999

**633.02.03 PAVEMENT MARKERS (REFLECTIVE, RECESSED)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Ray-O-Lite A Division of Pac-Tec Inc Mary Haddad 5825 N. Sam Houston Parkway W, Ste. 220 Houston TX 77086 customerservice@rayolite.com	Phone: (800) 848-7025 Cell: (281) 617-2240 Fax: (281) 583-1506  www.rayolite.com	<b>2002</b> 58 mm x 19 mm (2.3"x4.6")       approved 6 /1 /1999
Ray-O-Lite A Division of Pac-Tec Inc Mary Haddad 5825 N. Sam Houston Parkway W, Ste. 220 Houston TX 77086 customerservice@rayolite.com	Phone: (800) 848-7025 Cell: (281) 617-2240 Fax: (281) 583-1506  www.rayolite.com	<b>2004</b> 58 mm x 19 mm (2.3"x4.6")       approved 6 /1 /1999

**633.02.04 PAVEMENT MARKERS ADHESIVE**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Crafco, Inc. Angie Hoaglin 6165 W. Detroit Street Chandler AZ 85226 angie.hoaglin@crafco.com	Phone: (602) 276-0406 Cell: (602) 418-9902 Fax: (480) 961-0513  www.crafco.com	<b>34270 Hot Applied Flexible</b>       approved 6 /16/1998
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com/	<b>Bundy 12 cm X 12 cm Pad;</b> White color on plantmix and black color on PCCP <b>(5" X 5") Pad</b>       approved 5 /4 /1998
Martin Asphalt Company Juan Hermosillo 300 Christy Place South Houston TX 77587 juan.hermosillo@martinmlp.com	Phone: (713) 943-5210 Cell: (713) 941-4410 Fax: (713) 947-4908  www.martinasphalt.com	<b>172542 Evergrip</b> <b>Bituminous</b>       approved 6 /15/1998

**633.02.04 PAVEMENT MARKERS ADHESIVE**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Martin Asphalt Company Juan Hermosillo 300 Christy Place South Houston TX 77587 juan.hermosillo@martinmlp.com	Phone: (713) 943-5210 Cell: (713) 941-4410 Fax: (713) 947-4908  www.martinasphalt.com	<b>Evergrip Flexible GTR BMA</b>    approved 6/15/2016

Seal Bond Kelly Iverson 1251 E. Mt. Garfield Road Norton Shores MI 49444 kiverson@seal-bond.com	Phone: (800) 252-4144 Cell: Fax: (616) 850-0530  www.seal-bond.com	<b>SB 9113 Traffic Reflector Adhesive</b>    approved 9/25/2017
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**633.02.05 LANE LINE MARKERS (REFLECTIVE, TEMPORARY)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Apex Universal Incorporated Janet Yang 11033 Forest Place Santa Fe Springs CA 90670 sales@apexmarker.com	Phone: (562) 944-8878 Cell: (562) 879-6888 Fax: (562) 944-2298  www.apexmarker.com	<b>Apex Chip Seal / Overlay Marker</b>    approved 1/8/2013

Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>Halftrack Model 25</b> Work zone pavement markers   approved 11/29/2000
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Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>Halftrack Model 26</b> Work zone pavement markers   approved 11/29/2000
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Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>TOM</b> Work zone pavement markers   approved 11/29/2000
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Pexco, LLC Craig Schulz 3110 70th Avenue East Tacoma WA 98424 craig.schulz@pexco.com	Phone: (253) 284-8000 Cell: (253) 284-8005 Fax: (253) 284-8080  www.pexco.com	<b>TRPM (Temporary Overlay)</b> Work zone pavement markers   approved 11/29/2000
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**635.02.01 PAVEMENT STRIPING TAPE (TEMPORARY)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
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**635.02.01 PAVEMENT STRIPING TAPE (TEMPORARY)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>710 WRR</b>     WRR = Wet Reflective Removable white/yellow available	approved 8 /16/2006
Advance Traffic Markings Raeleen Lucas 100 Patch Rubber Road Weldon NC 27890 lucasco@ralucasco.com	Phone: (252) 536-2574 Cell: (714) 397-4428 Fax: (252) 536-4940  www.trafficmarkings.com	<b>200 Construction R</b>     R = Removable white/yellow available	approved 9 /24/2003
Brite Line Technologies Shea Durkin 10390 E. 48th Ave Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series 100R</b>     R = Removeable white/yellow available	approved 6 /15/1999
Brite Line Technologies Shea Durkin 10390 E. 48th Ave Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series 200R</b>     R = Removeable white/yellow available	approved 6 /15/1999
Brite Line Technologies Shea Durkin 10390 E. 48th Ave Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series Deltaline TWR</b>     TWR = Temporary Wet Removeable white/yellow available	approved 6 /15/1999
Swarco Industries / Traffic Mgt Johnathan Knutson 270 Rutherford Lane / PO Box 89 Columbia TN 38401 jonathan.knutson@swarco.com	Phone: (503) 421-5227 Cell: (503) 421-5227 Fax: (503) 208-2785  www.swarco.com	<b>Director 2 - (DG) Director 2 (DG-WR)</b>     DG = Detour Grade WR = Wet Reflective white/yellow available	approved 4 /26/1999
Tape4 LLC Greg Gibson P.O. Box 300575 St Louis MO 63130 greg@tape4.com	Phone: (314) 968-2569 Cell: (314) 504-0742 Fax: (314) 968-0494  www.tape-4.com	<b>Aztec III R</b>     R = Removeable white/yellow available alt. contact is David Littleton (e:) david@tape4.com	approved 6 /7 /2013

**641.02.01 IMPACT ATTENUATORS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Hill & Smith, Inc. Cecil Brown 987 Buckeye Park Road Columbus OH 43207 cecil.brown@hillandsmith.com	Phone: (614) 340-6294 Cell: Fax:  www.hillandsmith.com	<b>SCI100GM</b>     MASH approved, TL-3 Compliant; Approved at all speeds.	approved 2 /23/2007

**641.02.01 IMPACT ATTENUATORS**

<i>Vendor Name / Address</i>		<i>Product Name</i>	<i>Remarks</i>	
Lindsay Transportation Solutions, LLC Larry Savage 180 River Road Rio Vista CA 94571 larry.savage@lindsay.com	Phone: (707) 374-6800 Cell: (916) 474-9644 Fax: (707) 374-6801  www.lindsay.com/transportation-solutions	<b>Universal TAU-M</b>	MASH TL-3	approved 7 /22/2019
Traffix Devices, Inc. Howard Tolliver 160 Avenida La Pata San Clemente CA 92673 htolliver@traffixdevices.com	Phone: (949) 361-5663 Cell: (859) 469-0364 Fax:  see remarks	<b>Delta Crash Cushion</b>	MASH TL-3; <a href="https://www.traffixdevices.com/products/attenuators/delta">https://www.traffixdevices.com/products/attenuators/delta</a>	approved 12/20/2021
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>QuadGuard Elite M10</b>	MASH TL-3; 24 and 69 inch widths approved	approved 3 /11/2021
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>QuadGuard M Wide</b>	MASH TL-3	approved 3 /11/2021
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>QuadGuard M10</b>	MASH TL-3	approved 3 /27/2019
Valtir, LLC Paul Kruse 15601 Dallas Parkway, Suite 525 Addison TX 75001 paul.kruse@trin.net	Phone: (916) 644-9102 Cell: Fax:  www.valtir.com	<b>REACT M</b>	MASH TL-3	approved 12/20/2021

**642.02.02 CONCRETE PANEL WALL SYSTEMS**

<i>Vendor Name / Address</i>		<i>Product Name</i>	<i>Remarks</i>	
Big R Bridge: Vist-A-Wall Systems Jeffrey Stone 650 Justice Lane Mansfield TX 76063 jstone@bigrbridge.com	Phone: (817) 225-0852 Cell: (770) 871-9782 Fax: (817) 507-0197  bigrbridge.com	<b>Stabilized Earth Walls</b>	NV sales contact Pete Niemann (ph) 970-584-2382 (e) priemann@bigrbridge.com.	approved 8 /28/2013
Hilfiker Retaining Wall Dave Woods 1902 Hilfiker Lane Eureka CA 95503 dave@hilfiker.com	Phone: (800) 762-8962 Cell: (707) 443-5093 Fax: (707) 443-2891  www.hilfiker.com	<b>Reinforced Soil Embankment Wall</b>		approved 9 /8 /1998



**642.02.02 CONCRETE PANEL WALL SYSTEMS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Reinforced Earth Company Jack Mackie 3033 S. Parker Rd., Suite 1100 Aurora CA 80014 jmackie@reinforcedearth.com	Phone: (720) 779-2925 Cell: Fax:  www.reinforcedearth.com	<b>GeoMega MSE Wall System</b>  MANDATORY consultation with NDOT Structures and Geotechnical BEFORE submitting on a bid--contact coordinator to get contact info for this well in advance. Approved with Omega connection ONLY. Height restricted to 50 ft maximum.
Reinforced Earth Company Jacques Bloomfield 25910 Acero, Suite 200 Mission Viejo CA 92691 jbloomfield@reinforcedearth.com	Phone: (949) 689-9023 Cell: (949) 247-3601 Fax:  www.reinforcedearth.com	<b>Reinforced Earth Lrg Wall</b>  approved 3 /27/2019
Reinforced Earth Company Jacques Bloomfield 25910 Acero, Suite 200 Mission Viejo CA 92691 jbloomfield@reinforcedearth.com	Phone: (949) 689-9023 Cell: (949) 247-3601 Fax:  www.reinforcedearth.com	<b>Retained Earth</b>  approved 2 /7 /2001
SSL, LLC Andrew Thompson 4740 Scotts Valley Drive Suite E Scotts Valley CA 95066 andrewt@mseplus.com	Phone: (831) 430-9300 Cell: (831) 331-6199 Fax: (831) 430-9340  www.mseplus.com	<b>MSE Earth</b>  Modified panels required; W24 longitudinal wire not permitted  approved 5 /6 /2002
SSL, LLC Andrew Thompson 4740 Scotts Valley Drive Suite E Scotts Valley CA 95066 andrewt@mseplus.com	Phone: (831) 430-9300 Cell: (831) 331-6199 Fax: (831) 430-9340  www.mseplus.com	<b>MSE Large Wall Panel</b>  Modified panels required; W24 longitudinal wire not permitted  approved 5 /6 /2002
SSL, LLC Andrew Thompson 4740 Scotts Valley Drive Suite E Scotts Valley CA 95066 andrewt@mseplus.com	Phone: (831) 430-9300 Cell: (831) 331-6199 Fax: (831) 430-9340  www.mseplus.com	<b>MSE Plus</b>  Modified panels required; W24 longitudinal wire not permitted  approved 5 /6 /2002
Tensor International Corporation Robert Johnson 2500 Northwinds Parkway, Suite 500 Alpharetta GA 30009 rjohnson@tensarcorp.com	Phone: (770) 344-2090 Cell: (770) 557-5015 Fax: (770) 344-2084  www.tensarcorp.com	<b>Ares Retaining Precast Wall</b>  approved 6 /11/1998

**642.02.03 SEGMENTAL BLOCK WALL SYSTEMS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Jensen Precast Steven Jensen 9895 Double R Blvd. Reno NV 89521 sjensen@jensenprecast.com	Phone: (775) 352-2700 Cell: (775) 352-6307 Fax: (775) 359-6364  www.jensenprecast.com	<b>Redi-Rock</b>  Permitted on a project-by-project basis with approvals from NDOT bridge and NDOT geotechnical and in accordance with 642.02.03 NDOT specifications  approved 7 /23/2009



**642.02.03 SEGMENTAL BLOCK WALL SYSTEMS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Reinforced Earth Company Jacques Bloomfield 25910 Acero, Suite 200 Mission Viejo CA 92691 jbloomfield@reinforcedearth.com	<b>Pyramid</b> Phone: (949) 689-9023 Cell: (949) 427-3601 Fax: www.reinforcedearth.com	Permitted on a project-by-project basis with approvals from NDOT bridge and NDOT geotechnical and in accordance with 642.02.03 NDOT specifications <b>approved</b> 9 /30/1994
Super Lite Block Estrella Cotto 3565 East Bost Road Suite 108 Las Vegas NV 89021 estrella.cotto@oldcastleapg.com	<b>KeySteel SQFT MSE Panel</b> Phone: (866) 758-3427 Cell: (702) 255-6364 Fax: www.keystonewalls.com	Permitted on a project-by-project basis with approvals from NDOT bridge and NDOT geotechnical and in accordance with 642.02.03 NDOT specifications <b>approved</b> 5 /15/2002
Tensar International Corporation Robert Johnson 2500 Northwinds Parkway, Suite 500 Alpharetta GA 30009 rjohnson@tensarcorp.com	<b>MESA</b> Phone: (770) 344-2090 Cell: (770) 557-5015 Fax: (770) 344-2084 www.tensarcorp.com	Permitted only when specified in the contract documents as an acceptable product. <b>approved</b> 1 /1 /2012

**646.02.02 CRACK SEALANTS**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Adhesives Technology Corporation Renee Thomas 450 East Copans Rd. Pompano Beach FL 33064-5509 atcinfo@atcepoxy.com	<b>CRACKBOND V65 HI-MOD</b> Phone: (800) 892-1880 Cell: (954) 782-2221 Fax: (954) 782-2499 www.atcepoxy.com	Type I, II, IV and V; Grade 1; Class B and C. <b>approved</b> 12/17/2018
E-Chem, LLC Renee Thomas 4102 El Rey Road SE Albuquerque NM 87105 rthomas@atcepoxy.com	<b>EP100-SEAL HM</b> Phone: (505) 217-2121 Cell: (954) 789-4764 Fax: www.e-chem.net	ASTM C881 Type I, II, IV, and V; Grade 1; Class B and C <b>approved</b> 7 /22/2019
E-Chem, LLC Renee Thomas 4102 El Rey Road SE Albuquerque NM 87105 rthomas@atcepoxy.com	<b>EP-SLV</b> Phone: (505) 217-2121 Cell: (954) 789-4764 Fax: www.e-chem.net	ASTM C881 Type I, II, IV, and V; Grade 1; Class B and C <b>approved</b> 7 /22/2019
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>Dural 335</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	ASTM C881 Type I and IV; Grade 1; Class C <b>approved</b> 6 /22/2021
Sika Corporation Don Edwards 201 Polito Avenue Lyndhurst NY 07071 edwards.don@us.sika.com	<b>Sikadur 55 SLV</b> Phone: (201) 933-8800 Cell: (816) 372-3599 Fax: usa.sika.com	Type I and II; Grade 1; Class C <b>approved</b> 6 /15/2016

**646.02.02 CRACK SEALANTS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	<b>CI-GV</b> ASTM C881 Type I, II, IV and V; Grade 3; Class B and C approved 9/19/2022
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	<b>CI-LPL</b> ASTM C881 Type I and IV; Grade 1; Class C approved 9/19/2022
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	<b>CI-LV</b> ASTM C881 Type I, II, IV and V; Grade 1; Class B and C approved 9/19/2022
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	<b>CI-LV FS</b> ASTM C881 Type I, II, IV and V; Grade 1; Class B and C approved 9/19/2022
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	<b>CI-SLV</b> ASTM C881 Type I and IV; Grade 1; Class C approved 9/19/2022

**646.02.04 SHEET MEMBRANE**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
W.R. Meadows, Inc. Christopher Mader 300 Industrial Drive Hampshire IL 60140 DOT@wrmeadows.com	Phone: (847) 214-2110 Cell: (224) 325-1080 Fax: www.wrmeadows.com	<b>MEL-DEK</b> approved 10/3/2022

**646.02.05 LIQUID MEMBRANE**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
PPG Jonathan Haydu 686 S. Adams Street Kansas City KS 66105 info@bridgepreservation.com	Phone: (913) 321-9000 Cell: Fax: www.bridgepreservation.com	<b>Bridge Deck Membrane (BDM)</b> approved 9/25/2017

**702.03.01c CURING COMPOUND (LIQUID MEMBRANE FORMING FOR CURING CONCRETE)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
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**702.03.01c CURING COMPOUND (LIQUID MEMBRANE FORMING FOR CURING CONCRETE)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Atlas Tech Products Ryan Quinn 680 West Lake Mead Parkway Henderson NV 89015 ryanquinn@atlasform.com	Phone: (702) 227-6800 Cell: (858) 277-2100 Fax: (702) 222-0488  www.atlasform.com	<b>Atlas Res-Cure</b>	ASTM C309 Type 1D     approved 9 / 2 / 2008
ChemMasters, Inc. John Kirk 300 Edwards St. Madison OH 44057 johnkirk@chemmasters.net	Phone: (800) 486-7866 Cell: (440) 428-2105 Fax: (440) 428-7091  www.chemmasters.net	<b>Safe-Cure 1000 Clear w/Dye</b>	ASTM C309 Type 1D Variant On ly     approved 3 / 11 / 2021
Dayton Superior Corporation Sarah Clark 1125 Byers Rd. Miamisburg OH 45342 sarahclark@daytonsuperior.com	Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473  www.daytonsuperior.com	<b>Resin Cure w/Dye J11WD</b>	ASTM C309 Type 1D. Ext. 44376.     approved 1 / 8 / 2010
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	Phone: (216) 531-9222 Cell: (216) 692-8305 Fax: (216) 531-9399  www.euclidchemical.com	<b>KUREZ DR VOX</b>	ASTM C309 Type 1D     approved 3 / 15 / 2023
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	Phone: (216) 531-9222 Cell: (216) 692-8305 Fax: (216) 531-9399  www.euclidchemical.com	<b>Tammsecure WB</b>	ASTM C309 Type 1D     approved 3 / 15 / 2023
SpecChem Michael Lemark 1511 Baltimore Ave. Kansas City MO 64108 mlemark@specchemllc.com	Phone: (816) 968-5600 Cell: (562) 489-9607 Fax:  www.specchem.com	<b>SpecRez</b>	Type 1D     approved 3 / 26 / 2018
US Mix Company Andrew Beaty 112 South Santa Fe Drive Denver CO 80223 andrew.beaty@oldcastle.com	Phone: (303) 778-7227 Cell: (303) 489-1083 Fax: (303) 722-8426  www.usspec.com	<b>US SPEC MaxCure Resin Clear</b>	ASTM C309 Type 1D     approved 2 / 6 / 2006
W.R. Meadows Chris Mader 300 Industrial Dr. Hampshire IL 60140 dot@wrmeadows.com	Phone: (847) 214-2100 Cell: (224) 325-1080 Fax:  www.wrmeadows.com	<b>1100 Clear</b>	ASTM C309 Type 1D Variant Only     approved 8 / 21 / 2019

**702.03.01c CURING COMPOUND (LIQUID MEMBRANE FORMING FOR CURING CONCRETE)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
W.R. Meadows Chris Mader 300 Industrial Dr. Hampshire IL 60140 dot@wrmeadows.com	Phone: (847) 214-2100 Cell: (224) 325-1080 Fax: www.wrmeadows.com	<b>1300 Clear</b> ASTM C309 Type 1D Variant Only approved 8 /21/2019

**702.03.01d CURING COMPOUND (WHITE PIGMENTED, WAX BASE)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Atlas Tech Products Ryan Quinn 680 West Lake Mead Parkway Henderson NV 89015 ryanquinn@atlasform.com	Phone: (702) 227-6800 Cell: (858) 277-2100 Fax: (702) 222-0488 www.atlasform.com	<b>Atlas Pro-Cure White</b> approved 9 /2 /2008
ChemMasters, Inc. John Kirk 300 Edwards St. Madison OH 44057 johnkirk@chemmasters.net	Phone: (800) 486-7866 Cell: (440) 428-2105 Fax: (440) 428-7091 www.chemmasters.net	<b>Safe-Cure 800</b> approved 3 /11/2021
Crafco, Inc. Kelsey Naumann 6165 W. Detroit Street Chandler AZ 85226 kelsey.naumann@crafco.com	Phone: (602) 276-0406 Cell: Fax: https://crafco.com	<b>White Water Wax 309</b> approved 3 /14/2022
Dayton Superior Corporation Sarah Clark 1125 Byers Rd. Miamisburg OH 45342 sarahclark@daytonsuperior.com	Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473 www.daytonsuperior.com	<b>White Wax Cure J9A</b> Ext. 44376. approved 8 /29/2008
SpecChem Michael Lemark 1511 Baltimore Ave Ste 600 Kansas City MO 64108 mlemark@specchemllc.com	Phone: (816) 968-5600 Cell: (562) 489-9607 Fax: www.specchemllc.com	<b>Atlas Pro-Cure White</b> approved 1 /22/2014
SpecChem Michael Lemark 1511 Baltimore Ave., Suite 600 Kansas City KS 64108 mlemark@specchemllc.com	Phone: (816) 968-5600 Cell: (562) 489-9607 Fax: www.specchemllc.com	<b>PaveCure WW</b> approved 2 /18/2008
US Mix Company Andrew Beaty 112 South Santa Fe Drive Denver CO 80223 andrew.beaty@oldcastle.com	Phone: (303) 778-7227 Cell: (303) 489-1083 Fax: (303) 722-8426 www.usspec.com	<b>US SPEC MaxCure Wax White</b> approved 7 /2 /2008

**702.03.01d CURING COMPOUND (WHITE PIGMENTED, WAX BASE)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
W.R. Meadows Chris Mader 300 Industrial Dr. Hampshire IL 60140 dot@wrmeadows.com	Phone: (847) 214-2100 Cell: (224) 325-1080 Fax: www.wrmeadows.com	<b>1600 White</b>     approved 5 /2 /2019

**702.03.04 CURING COMPOUND (BRIDGE DECK)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Atlas Tech Products Ryan Quinn 680 West Lake Mead Parkway Henderson NV 89015 ryanquinn@atlasform.com	Phone: (702) 227-6800 Cell: (858) 277-2100 Fax: (702) 222-0488 www.atlasform.com	<b>Atlas Pro-Cure AMS</b>     Bridge Decks ASTM C309, Type 2, Class B approved 9 /2 /2008
ChemMasters, Inc. John Kirk 300 Edwards St. Madison OH 44057 johnkirk@chemmasters.net	Phone: (800) 486-7866 Cell: (440) 428-2105 Fax: (440) 428-7091 www.chemmasters.net	<b>Certi-Vex Envio Cure</b> <b>White 1315</b>    approved 12/31/2019
SpecChem Michael Lemark 1511 Baltimore Ave., Suite 600 Kansas City MO 64108 mlemark@specchemllc.com	Phone: (816) 968-5600 Cell: (562) 489-9607 Fax: www.specchemllc.com	<b>Atlas Pro-Cure AMS</b>     approved 1 /22/2014
SpecChem Michael Lemark 1511 Baltimore Ave., Suite 600 Kansas City MO 64108 mlemark@specchemllc.com	Phone: (816) 968-5600 Cell: (562) 489-9607 Fax: www.specchemllc.com	<b>Pave Cure AMS</b>     approved 5 /7 /2013
US Mix Company Andrew Beaty 112 South Santa Fe Drive Denver CO 80223 andrew.beaty@oldcastle.com	Phone: (303) 778-7227 Cell: (303) 489-1083 Fax: (303) 722-8426 www.usspec.com	<b>US SPEC AMS 3754 White</b>     Bridge Decks ASTM C309, Type 2, Class B approved 6 /17/2008
W.R. Meadows, Inc. Chris Mader 300 Industrial Drive Hampshire IL 60140 DOT@wrmeadows.com	Phone: (847) 214-2100 Cell: (224) 325-1080 Fax: www.wrmeadows.com	<b>2250-WHITE</b>     approved 9 /19/2022

**702.03.05 POZZOLANS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
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**702.03.05 POZZOLANS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
3M Gokul Venkitachalam 18750 Minnesota Road Corona CA 92881-4313 gvenkitachalam@mmm.com	<b>NP200C</b>	Class N  approved 9/17/2020
Charah Solutions Timothy Cole 12601 Plantside Drive Louisville KY 40299 tcole@charah.com	<b>Miami Fort</b>	Class F  approved 6/22/2021
EM Resources, LLC Craig Wallace 1217 Cape Coral Pkwy E PMB 190 Cape Coral FL 33904 cwallace@ecomaterial.com	<b>Carbon II Class F Fly Ash</b>	Class F  approved 12/31/2019
EM Resources, LLC Craig Wallace 1217 Cape Coral Pkwy E PMB 190 Cape Coral FL 33904 cwallace@ecomaterial.com	<b>Class F Fly Ash</b>	Class F Fly Ash Sources: Plant: Delta Plant, UT  approved 2/17/2010
EM Resources, LLC Craig Wallace 1217 Cape Coral Pkwy E PMB 190 Cape Coral FL 33904 cwallace@ecomaterial.com	<b>Coal Creek Class F Fly Ash</b>	Class F  approved 4/1/2020
EM Resources, LLC Craig Wallace 1217 Cape Coral Pkwy E PMB-190 Cape Coral FL 33904 cwallace@ecomaterial.com	<b>Craig Class F Fly Ash</b>	Class F  approved 4/1/2020
EM Resources, LLC Craig Wallace 1217 Cape Coral Pkwy E PMB 190 Cape Coral FL 33904 cwallace@ecomaterial.com	<b>Kirkland Natural Pozzolan</b>	Class N  approved 9/20/2021
EM Resources, LLC Craig Wallace 1217 Cape Coral Pkwy E PMB 190 Cape Coral FL 33904 cwallace@ecomaterial.com	<b>Prairie State</b>	Class F  approved 6/22/2021

**702.03.05 POZZOLANS****Vendor Name / Address****Product Name****Remarks**

Geofortis Utah, LLC Dana Francis 30 S Tooele Blvd Tooele UT 84074 dfrancis@geofortis.com	Phone: (325) 207-1512 Cell: (925) 878-1459 Fax: www.Geofortis.com	<b>Geofortis Utah Natural Pozzolan</b>	Class N	approved 9/17/2020
Golden State Pozzolan Ben Inkster 5980 Outfall Circle Sacramento CA 95828 ben@goldenstatecrushing.com	Phone: (916) 381-4100 Cell: (209) 552-5550 Fax: www.goldenstatecrushing.com	<b>GSP Class N</b>	Class N	approved 3/14/2022
Nevada Cement Company, LLC Scott Murphy 1290 West Main Street Fernley NV 89408 smurphy@nevadacement.com	Phone: (775) 575-2281 Cell: (775) 232-4508 Fax: (775) 575-4387 www.nevadacement.com	<b>Pozzolan Class "N"</b>	Class N	approved 4/8/2011
Salt River Materials Group - Phoenix Cement Co Jeff Hearne 8800 East Chaparral Road, Suite 155 Scottsdale AZ 85250-2606 jhearne@srmaterials.com	Phone: (480) 850-5757 Cell: (602) 321-6040 Fax: (480) 850-5758 www.srmaterials.com	<b>Apache Class F Fly Ash</b>		approved 4/16/2020
Salt River Materials Group - Phoenix Cement Co Jeff Hearne 8800 East Chaparral Road, Suite 155 Scottsdale AZ 85250-2606 jhearne@srmaterials.com	Phone: (480) 850-5757 Cell: (602) 321-6040 Fax: (480) 850-5758 www.srmaterials.com	<b>Bonanza Class F Fly Ash</b>		approved 9/25/2017
Salt River Materials Group - Phoenix Cement Co Jeff Hearne 8800 East Chaparral Road, Suite 155 Scottsdale AZ 85250-2606 jhearne@srmaterials.com	Phone: (480) 850-5757 Cell: (602) 321-6040 Fax: (480) 850-5758 www.srmaterials.com	<b>Huntington Class F Fly Ash</b>	Class F	approved 3/14/2022
Salt River Materials Group - Phoenix Cement Co Jeff Hearne 8800 East Chaparral Road, Suite 155 Scottsdale AZ 85250-2606 jhearne@srmaterials.com	Phone: (480) 850-5757 Cell: (602) 321-6040 Fax: (480) 850-5758 www.srmaterials.com	<b>Pozzolan Class F</b>	Plant: Cholla Plant, Joseph City, AZ Plant: Four Corners Plant, Fruitland, NM Plant: Gallup Plant, Gallup, NM	approved 2/4/2011
Salt River Materials Group - Phoenix Cement Co. Jeff Hearne 8800 East Chaparral Road, Suite 155 Scottsdale AZ 85250 jhearne@srmaterials.com	Phone: (480) 850-5757 Cell: (602) 321-6040 Fax: (480) 850-5758 www.srmaterials.com	<b>Bridger Class F Fly Ash</b>	Class F	approved 2/9/2023

**702.03.05 POZZOLANS**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Whitemud Resources Incorporated Thomas O'Neill 6713 Fairmount Drive SE Calgary, Alberta, T2H 0X6 Canada info@whitemudresources.com	Phone: (403) 281-2215 Cell: (403) 801-4125 Fax: www.whitemudresources.com	<b>Metakaolin</b> Class N. Mobile# (403) 801-4125. approved 2 /4 /2011

**707.03.04 JOINT SEALER (FOR WEAKENED PLANE JOINTS IN PCCP)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Crafco, Inc. Angie Hoaglin 6165 W. Detroit Street Chandler AZ 85226 angie.hoaglin@crafco.com	Phone: (602) 276-0406 Cell: (602) 418-9902 Fax: (480) 961-0513 www.crafco.com	<b>Roadsaver Silicone SL</b> approved 6 /20/2006
DS Brown Company Ryan Sypherd 300 East Cherry Street North Baltimore OH 45872 rsypherd@dsbrown.com	Phone: (419) 257-3561 Cell: (651) 262-6308 Fax: (419) 257-2200 www.dsbrown.com	<b>DSB 900 SL Silicone</b> SL = Self Leveling approved 4 /5 /2005
Pecora Corporation Glen Murphy 165 Wambold Road Harleysville PA 19438 murphyg@pecora.com	Phone: (214) 723-6051 Cell: (818) 519-7658 Fax: (215) 721-0286 www.pecora.com	<b>Pecora 300SL</b> approved 9 /15/2001
Sika Corporation Don Edwards 201 Polito Avenue Lyndhurst NJ 07071 edwards.don@us.sika.com	Phone: (201) 933-8800 Cell: (816) 372-3599 Fax: usa.sika.com	<b>Sikasil 728 SL</b> approved 8 /5 /2005
The Dow Chemical Company Jason Sika 12081 West Alameda Parkway #421 Lakewood CO 80228 jason.sika@dow.com	Phone: (989) 496-3833 Cell: (303) 880-9614 Fax: www.dow.com	<b>DOWSIL 890-SL Silicone Sealant</b> approved 3 /20/1997
Tremco CPG, Inc. Technical Services 3735 Green Road Beachwood OH 44122 techresources@tremcoinc.com	Phone: (866) 209-2404 Cell: (216) 292-5000 Fax: (216) 766-5535 www.tremcosealants.com	<b>Spectrem 900 SL Formula 974831 w/ 333 Cartridges</b> SL = Self Leveling approved 5 /31/2002

**714.03.01b COATING SYSTEMS FOR BRIDGES**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
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**714.03.01b COATING SYSTEMS FOR BRIDGES**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Carboline Company Agatha McFarland 2150 Schuetz Road Maryland Heights MO 63146 amcfarland@carboline.com	Phone: (314) 644-1000 Cell: (770) 846-1318 Fax: (314) 587-2693  www.carboline.com	<b>Use the System in Remarks</b>  Shop Coat: Carbozinc 11, Part A: Base Part B: Zinc Filler. 1st Field Coat: Carboguard 893 Cycloaliphatic Amine Epoxy-Part A: Resin Part B: Catalyst. Top Coat: Carbothane 134 HS Aliphatic Acrylic Polyurethane-Part A: Resin Part B: Urethane Converter 811	<b>approved</b> 12/30/1998
PPG Protective & Marine Coatings Tod Savage 6359 Rancho Mission Rd #2 San Diego CA 92108 nyemiller@msn.com	Phone: (714) 337-1953 Cell: (619) 633-8406 Fax:  www.ppgpmc.com	<b>Use the System in Remarks</b>  Shop Coat: Dimetcoate 9 Inorganic Zinc, Part A: Base Part B: Zinc Dust 1st Field Coat: Amercoat® 385 Multi-Purpose Epoxy - PartA: Resin Part B: Cure Top Coat: Amercoat 450 H Aliphatic Polyurethane - Part A: Resin Part B: Cure	<b>approved</b> 5 /21/2008
Sherwin Williams Company Paul Trautman 101 Prospect Avenue NW Cleveland OH 44115 paul.trautmann@sherwin.com	Phone: (216) 566-1733 Cell: (714) 699-6358 Fax: (216) 830-7721  www.sherwin-williams.com	<b>Use the System in Remarks</b>  Shop Coat: Zinc Clad II, Part E: B69V3 Part F: B69D11 1st Field Coat: Recoatable Epoxy Primer - Part G: B67R5 Part H: B67V5 Top Coat: Sherthane® 2K Urethane - Part A: B65-150 Series Part B: B65V150	<b>approved</b> 12/30/1998

**716.03.01a REFLECTIVE SHEETING (TYPE IV)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>3910 FL DG</b>  Type IV for work zone drums and delineators	<b>approved</b> 8 /16/2000
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>3911 FL Y DG</b>  Type IV for work zone drums and delineators	<b>approved</b> 8 /16/2000
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>3914 FL DG</b>  Type IV for work zone drums and delineators	<b>approved</b> 8 /16/2000
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>3924S</b>  Type IV for Barricades ONLY and Permanent Traffic	<b>approved</b> 12/1 /2004
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>3930</b>  Type IV for Barricades ONLY and Permanent Traffic	<b>approved</b> 12/1 /2004

**716.03.01a REFLECTIVE SHEETING (TYPE IV)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>T6500 P HI</b> Type IV for temporary traffic control devices, delineators and permanent signs ONLY  approved 7 /10/2001
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>W6000 P</b> Type IV for temporary traffic control devices, delineators, and work zone barricade ONLY  approved 7 /10/2001
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>W7514 F</b> Type IV for temporary traffic control devices, delineators, and work zone signs ONLY  approved 7 /10/2001
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>WR-7100 White R</b> Type IV F= Fluorescent; R= Reboundable  approved 3 /31/2011
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>WR-7114 Orange FR</b> Type IV F= Fluorescent; R= Reboundable  approved 3 /31/2011
Avery Dennison Reflective Solutions Nipa Joshi 7542 North Natchez Ave. Niles IL 60174 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>Avery Dennison WC-4100 Cone Collar Sheeting</b>  approved 6 /11/2020
Nippon Carbide Industries (USA), Inc. Andy Kato 13856 Bettencourt St. Cerritos CA 90703 akato@nikkalite.com	Phone: (800) 821-4264 Cell: (562) 777-1810 Fax: (562) 777-1811  www.nikkalite.com	<b>Nikkalite CRG 94000</b>  approved 6 /11/2020
ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>ORALITE 5900 High Intensity Prismatic All Colors</b> Type IV  approved 2 /5 /2013

**716.03.01a REFLECTIVE SHEETING (TYPE IV)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>ORALITE 5900 White and Yellow Intensity Prismatic</b> Type IV  approved 2 / 5 / 2013

ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>ORALITE 5934 Super Bright Reboundable Sheeting</b>  approved 9 / 17 / 2020
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**716.03.01b REFLECTIVE SHEETING (TYPE V)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>ORALITE AP 1000</b> Type V For use in work zones on barrier and guardrail delineation and roadside delineation posts. approved 4 / 8 / 1999

ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>ORALITE AR 1000</b> Type V For use in work zones on barrier and guardrail delineation and roadside delineation posts. approved 4 / 8 / 1999
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**716.03.01c REFLECTIVE SHEETING (TYPE VI)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>3340 Cone</b> Type VI for traffic PVC cones ONLY approved 8 / 16 / 2000

3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>RS-24* Roll-Up</b> Type VI for Barricades ONLY and Permanent Traffic; *Roll-up Signs approved 8 / 16 / 2000
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Avery Dennison Reflective Solutions Nipa Joshi 7542 North Natchez Ave. Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>Avery Dennison OmniBrite WU-7000 Roll-Up Series</b>  approved 6 / 11 / 2020
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**716.03.01c REFLECTIVE SHEETING (TYPE VI)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>ORALITE 5934 Super Bright Reboundable Sheeting</b>  approved 9 /17/2020
ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>ORALITE Marathon Roll-Up</b> Type VI for use in emergency traffic control construction work zones and utility work areas approved 4 /8 /1999
ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>ORALITE Super Bright Roll-Up</b> Type VI for use in emergency traffic control construction work zones and utility work areas approved 4 /8 /1999
ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199  www.orafol.com	<b>Reflective Flag*</b> Type VI *for flagger poles ONLY approved 4 /6 /2011

**716.03.01d REFLECTIVE SHEETING (TYPE IX)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>3990 VIP DG</b> Type IX DG=Diamond Grade approved 9 /10/2010
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 288-7925  www.reflectives.averydennison.com	<b>OV T9500</b> Type IX OV=OmniView approved 7 /10/2001
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>OV T9511</b> Type IX OV=OmniView, Fluorescent Yellow approved 7 /10/2001
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925  www.reflectives.averydennison.com	<b>OV T9513</b> Type IX OV=OmniView, Fluorescent Yellow Green approved 7 /10/2001

**716.03.01d REFLECTIVE SHEETING (TYPE IX)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925 www.reflectives.averydennison.com	<b>OV T9514</b> Type IX OV=OmniView, Fluorescent Orange approved 7 /10/2001
ORAFOL Americas, Inc. Chris Gaudette 120 Darling Drive Avon CT 06001 chris.gaudette@orafol.com	Phone: (860) 676-7181 Cell: Fax: (860) 676-7199 www.orafol.com	<b>ORALITE 5930 Fluorescent Orange Work Zone Rigid</b> Type IX approved 2 /5 /2013

**716.03.01e REFLECTIVE SHEETING (TYPE XI)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435 www.3M.com/tcm	<b>4000 DG3</b> Type XI B=Barricade; WZ=Work Zones approved 8 /16/2000
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435 www.3M.com/tcm	<b>4080 DG3 WZ</b> Type XI B=Barricade; WZ=Work Zones approved 8 /16/2000
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435 www.3M.com/tcm	<b>444 DG3 B</b> Type XI B=Barricade; WZ=Work Zones approved 8 /16/2000
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925 www.reflectives.averydennison.com	<b>OC T11500</b> Type XI OC=OmniCube approved 7 /29/2010
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925 www.reflectives.averydennison.com	<b>OC T11511</b> Type XI OC=OmniCube, Fluorescent Yellow approved 7 /29/2010
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925 www.reflectives.averydennison.com	<b>OC T11513</b> Type XI OC=OmniCube, Fluorescent Yellow Green approved 7 /29/2010

**716.03.01e REFLECTIVE SHEETING (TYPE XI)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Avery Dennison Corporation Nipa Joshi 7542 North Natchez Avenue Niles IL 60714 nipa.joshi@averydennison.com	Phone: (847) 627-3111 Cell: (773) 255-3739 Fax: (847) 588-7925 www.reflectives.averydennison.com	<b>OC T11514</b> Type XI OC=OmniCube, Fluorescent Orange approved 7/29/2010

**728.03.02 EPOXY RESIN ADHESIVE FOR BONDING**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Adhesives Technology Corporation Renee Thomas 450 East Copans Road Pompano Beach FL 33064-5509 rthomas@atcepoxy.com	Phone: (800) 892-1880 Cell: (954) 782-2221 Fax: (954) 782-2499 www.atcepoxy.com	<b>CRACKBOND 2100 MV</b> Type II; Grade 2; Class B and C approved 6/11/2020
Adhesives Technology Corporation Renee Thomas 450 East Copans Road Pompano Beach FL 33064-5509 rthomas@atcepoxy.com	Phone: (800) 892-1880 Cell: (954) 782-2221 Fax: (954) 782-2499 www.atcepoxy.com	<b>CRACKBOND LR-321LPL</b> Type I, II, IV and V; Grade I; Class C approved 6/11/2020
Adhesives Technology Corporation Renee Thomas 450 East Copans Road Pompano Beach FL 33064-5509 rthomas@atcepoxy.com	Phone: (754) 399-1684 Cell: (954) 782-2221 Fax: (800) 362-3320 www.atcepoxy.com	<b>ULTRABOND 1</b> Type I, II, IV and V; Grade 3; Class A, B and C approved 11/21/2005
Adhesives Technology Corporation Renee Thomas 450 East Copans Road Pompano Beach FL 33064-5509 rthomas@atcepoxy.com	Phone: (800) 892-1880 Cell: (954) 782-2221 Fax: (954) 782-2499 www.atcepoxy.com	<b>ULTRABOND 1300</b> Type I, II, IV and V; Grade 3; Class B and C approved 11/21/2005
Adhesives Technology Corporation Renee Thomas 450 East Copans Road Pompano Beach FL 33064-5509 rthomas@atcepoxy.com	Phone: (800) 892-1880 Cell: (954) 782-2221 Fax: (954) 782-2499 www.atcepoxy.com	<b>ULTRABOND HS-1CC</b> Type II, IV and V; Grade 3; Class A, B and C approved 3/26/2018
Adhesives Technology Corporation Renee Thomas 450 East Copans Road Pompano Beach FL 33064-5509 rthomas@atcepoxy.com	Phone: (800) 892-1880 Cell: (954) 782-2221 Fax: (954) 782-2499 www.atcepoxy.com	<b>ULTRABOND HS-200</b> Type I, II, IV and V; Grade 3; Class A, B and C approved 11/21/2005
ChemCo Systems Sara Geary 2800 Bay Rd Redwood City CA 94063 sara@chemcosystems.com	Phone: (562) 378-7407 Cell: (650) 261-3790 Fax: https://www.chemcosystems.com/	<b>ProGuard Bonder Paste LP</b> Type I, II, IV and V; Grade 3; Class C approved 3/15/2023

**728.03.02 EPOXY RESIN ADHESIVE FOR BONDING**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>	
Dayton Superior Corporation Sarah Clark 1125 Byers Road Miamisburg OH 45342 sarahclark@daytonsuperior.com	<b>ProAnchor Elite</b> Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473 www.daytonsuperior.com	Type I, II, IV and V; Grade 3; Class A and B. Ext. 44376.	approved 3 /11/2021
Dayton Superior Corporation Sarah Clark 1125 Byers Rd. Miamisburg OH 45342 sarahclark@daytonsuperior.com	<b>Sure Anchor I J-51</b> Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473 www.daytonsuperior.com	Type I, II, IV and V; Grade 3; Class B and C. Ext. 44376.	approved 1 /14/2003
Dayton Superior Corporation Sarah Clark 1125 Byers Road Miamisburg OH 45342 sarahclark@daytonsuperior.com	<b>Sure Bond J58</b> Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473 www.daytonsuperior.com	Type II; Grade 2; Class B and C. Ext. 44376.	approved 6 /22/2021
DEWALT Robert Antoinette 2 Powers Lane Brewster NY 10509 robert.antoINETTE@sbdinc.com	<b>DEWALT PE1000+</b> Phone: (800) 524-3244 Cell: Fax: (914) 576-6483 anchors.dewalt.com	Type I, II, IV and V; Grade 3; Class B and C	approved 12/1 /2016
DEWALT Robert Antoinette 2 Powers Lane Brewster NY 10509 robert.antoINETTE@sbdinc.com	<b>DEWALT Pure 110+</b> Phone: (800) 524-3244 Cell: Fax: (914) 576-6483 anchors.dewalt.com	Type I, II, IV and V; Grade 3; Class B and C	approved 12/1 /2016
DEWALT Robert Antoinette 2 Powers Lane Brewster NY 10509 robert.antoINETTE@sbdinc.com	<b>DEWALT Pure50+</b> Phone: (800) 524-3244 Cell: Fax: (914) 576-6483 anchors.dewalt.com	Type I, II, IV and V; Grade 3; Class B and C	approved 12/1 /2016
E-Chem, LLC Renee Thomas 4102 El Rey Road SE Albuquerque NM 87105 rthomas@atcepoxy.com	<b>EP-GEL FAST</b> Phone: (505) 217-2121 Cell: (954) 789-4764 Fax: (505) 217-3721 www.e-chem.net	Type I, II, IV and V; Grade 3; Class B and C	approved 8 /30/2017
E-Chem, LLC Renee Thomas 4102 El Rey Road SE Albuquerque NM 87105 rthomas@atcepoxy.com	<b>EP-MV</b> Phone: (505) 217-2121 Cell: (954) 789-4764 Fax: www.e-chem.net	ASTM C881 Type I and II; Grade 2; Class B and C	approved 7 /22/2019



**728.03.02 EPOXY RESIN ADHESIVE FOR BONDING**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>	
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>Dural 452 Gel</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	Type I, II, IV and V; Grade 3; Class C.	approved 9/20/2021
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>Dural 452 LV</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	Type I and IV; Grade 1; Class C.	approved 9/20/2021
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>Dural 452 MV</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	Type I, II, IV and V; Grade 2; Class C	approved 11/29/2012
Euclid Chemical Company Brian Lewis 19215 Redwood Road Cleveland OH 44110 blewis@euclidchemical.com	<b>Dural Fast Set Gel</b> Phone: (800) 321-7628 Cell: (216) 692-8305 Fax: (216) 531-9399 www.euclidchemical.com	Type I and IV; Grade 3; Class C.	approved 9/20/2021
Hilti, Inc. Lisa Barkand 7250 Dallas Parkway, Suite 1000 Plano TX 75024 lisa.barkand@hilti.com	<b>HIT-RE 10</b> Phone: (877) 749-6337 Cell: Fax: www.hilti.com	Type I, II, IV and V; Grade 3; Class A, B and C	approved 9/24/2018
Hilti, Inc. Peter Anderson 7250 Dallas Parkway, Suite 1000 Plano TX 75024 us-sales@hilti.com	<b>HIT-RE 100</b> Phone: (972) 403-5948 Cell: Fax: (800) 879-7000 www.us.hilti.com	Type I, II, IV and V; Grade 3; Class A, B and C	approved 12/17/2018
Hilti, Inc. Peter Anderson 7250 Dallas Parkway, Suite 1000 Plano TX 75024 peter.anderson@hilti.com	<b>HIT-RE 500v3</b> Phone: (972) 403-5948 Cell: Fax: www.us.hilti.com	Type I, II, IV, and V; Grade 3; Class A, B, and C	approved 9/25/2017
ITW Commercial Construction North America Christopher Nelli 155 Harlem Ave. Glenview IL 60025 Adhesive-Anchors@itwccna.com	<b>Red Head C6+</b> Phone: (224) 307-9287 Cell: Fax: www.itwredhead.com	Type I, II, IV and V; Grade 3; Class B and C. Alt. company email is Adhesive-Anchors@itwccna.com	approved 9/24/2018





**728.03.02 EPOXY RESIN ADHESIVE FOR BONDING**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>	
Simpson Strong Tie Wendy Allen 5151 South Airport Way Stockton CA 95206 wallen@strongtie.com	<b>ET-HP Epoxy Adhesive</b> Phone: (800) 999-5099 Cell: (415) 559-9038 Fax: (209) 234-3868 www.stongtie.com/products/anchorsyste	Type I, II, IV and V; Grade 3; Class B and C	approved 1/15/2009
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	<b>ET-HP</b> Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	ASTM C881 Type I, II, IV and V; Grade 3; Class B and C	approved 9/19/2022
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	<b>RPS-752</b> Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	ASTM C881 Type II; Grade 2; Class B	approved 9/19/2022
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	<b>SET-3G</b> Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	ASTM C881 Type I, II, IV and V; Grade 3; Class B and C	approved 9/19/2022
Simpson Strong-Tie Daniel Bartlett 12246 Holly St. N Riverside CA 92509 dbartlett@strongtie.com	<b>SET-XP</b> Phone: (480) 450-5321 Cell: (702) 524-5524 Fax: strongtie.com	ASTM C881 Type I, II, IV and V; Grade 3; Class C	approved 9/19/2022
SpecChem Michael LeMark 1511 Baltimore Ave. Kansas City MO 64108 mlemark@specchemllc.com	<b>SpecPoxy 3000</b> Phone: (816) 968-5600 Cell: (562) 489-9607 Fax: www.specchemllc.com	Type I, II, IV and V; Grade 3; Class B and C	approved 3/27/2019
Unitex Chemicals / Dayton Superior Sarah Clark 1125 Byers Road Miamisburg OH 45342 sarahclark@daytonsuperior.com	<b>Pro-Poxy 200</b> Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473 www.daytonsuperior.com	Type II; Grade 2; Class B and C. Ext. 44376.	approved 6/22/2021
Unitex Chemicals / Dayton Superior Sarah Clark 1125 Byers Rd. Miamisburg OH 45342 sarahclark@daytonsuperior.com	<b>Pro-Poxy 300</b> Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473 www.daytonsuperior.com	Type I, II, IV and V; Grade 3; Class B and C. Ext. 44376.	approved 1/14/2003

**728.03.02 EPOXY RESIN ADHESIVE FOR BONDING**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Unitex Chemicals / Dayton Superior Sarah Clark 1125 Byers Rd. Miamisburg OH 45342 sarahclark@daytonsuperior.com	Phone: (937) 866-0711 Cell: (937) 479-5164 Fax: (937) 847-8473  www.daytonsuperior.com	<b>Pro-Poxy 300 FAST</b> Type I, II, IV and V; Grade 3; Class B and C. Ext. 44376.  <b>approved</b> 1/14/2003

**729.03.03 PAINT MARKING MATERIAL - EPOXY**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Colorado Paint Company/Swarco Marilou Bruce 2851 N. Walden Street Aurora CO 80011 marilou.bruce@swarco.com	Phone: (303) 388-9265 Cell: (303) 332-9216 Fax: (303) 388-0881  www.swarco.com/cpc	<b>1180</b> White: 1180 Part A Yellow: 1186 Part A Hardener: 1185 Part B  "Lead Free Yellow" contains organic yellow pigment.  <b>approved</b> 3/23/2000
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com	<b>HPS-3</b> White: HPS-3 Part A Yellow: HPS-3 Part A Black: HPS-3 Part A Hardener: HPS-3 Part B  "Lead Free Yellow" contains organic yellow pigment.  <b>approved</b> 7/25/2002
Epoplex Chris Beadle 1000 East Park Avenue Maple Shade NJ 08052 cbeadle@epoplex.com	Phone: (800) 822-6920 Cell: (302) 893-0009 Fax: (856) 779-2963  www.epoplex.com	<b>Epoplex LS50</b> White: LS50 Part A Yellow: LS50 Part A Hardener: LS50 Part B  "Lead Free Yellow" contains organic yellow pigment.  <b>approved</b> 2/6/2003
Epoplex Chris Beadle 1000 East Park Avenue Maple Shade NJ 08052 cbeadle@epoplex.com	Phone: (800) 822-6920 Cell: (302) 893-0009 Fax: (856) 779-2963  www.epoplex.com	<b>Epoplex LS60</b> White: LS60 Part A Yellow: LS60 Part A Hardener: LS60 Part B  "Lead Free Yellow" contains organic yellow pigment.  <b>approved</b> 2/6/2003
Olin Poly-Carb Solmaz Pirouz 4005 Technology Drive, Suite 1500 Angleton TX 77515 spirouz@olin.com	Phone: (330) 748-6407 Cell: (979) 480-4607 Fax:  https://olinpolycarb.com/	<b>Mark 55.2</b> White: Mark 55.2 Part A Yellow: Mark 55.2 Part A Hardener: Mark 55.2 Part B  "Lead Free Yellow" contains organic yellow pigment.  <b>approved</b> 5/11/2004
Olin Poly-Carb Solmaz Pirouz 4005 Technology Drive, Suite 1500 Angleton TX 77515 spirouz@olin.com	Phone: (330) 748-6407 Cell: (979) 480-4607 Fax:  https://olinpolycarb.com/	<b>Mark 55.3</b> White: Mark 55.3 Part A Yellow: Mark 55.3 Part A Hardener: Mark 55.3 Part B  "Lead Free Yellow" contains organic yellow pigment.  <b>approved</b> 5/11/2004
Olin Poly-Carb Solmaz Pirouz 4005 Technology Drive, Suite 1500 Angleton TX 77515 spirouz@olin.com	Phone: (330) 748-6407 Cell: (979) 480-4607 Fax:  https://olinpolycarb.com/	<b>Mark 55.4</b> White: Mark 55.4 Part A Yellow: Mark 55.4 Part A Hardener: Mark 55.4 Part B  "Lead Free Yellow" contains organic yellow pigment.  <b>approved</b> 10/24/1997

**729.03.03 PAINT MARKING MATERIAL - EPOXY**

<i>Vendor Name / Address</i>		<i>Product Name</i>	<i>Remarks</i>	
Swarco/Colorado Paint Company Ling Tan 2851 N. Walden Street Aurora CO 80011 ling.tan@swarco.com	Phone: (303) 388-9265 Cell: (919) 208-3360 Fax: (303) 388-0881  www.swarco.com/cpc	<b>MFUA-10</b>	modified polyacrylate two-component 3180 White, 3186 Yellow, 3187 Black, 3185 catalyst	approved 9/17/2020

**729.03.04a PAINT MARKING MATERIAL - RAPID DRY WATERBORNE (ACRYLIC EMULSION)**

<i>Vendor Name / Address</i>		<i>Product Name</i>	<i>Remarks</i>	
Arkema Incorporated  no contact information provided OR required	Phone: Cell: Fax:	<b>ENCOR DT 250</b>	Type I	approved 7/19/2002

Arkema Incorporated  no contact information provided OR required	Phone: Cell: Fax:	<b>ENCOR DT 400</b>	Type II	approved 7/19/2002
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Dow Chemical/Rohm & Haas LLC  no contact information available OR required	Phone: Cell: Fax:	<b>Fastrack 3427</b>	Type I; prev Rhoplex Fastrack 3427; Bulk #10081323; Substance #101051012	approved 5/20/1999
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Dow Chemical/Rohm & Haas LLC  no contact information available OR required	Phone: Cell: Fax:	<b>Fastrack HD-21A</b>	Type II; prev Rhoplex Fastrack HD21A; Bulk #10076070; Substance #101084604	approved 5/20/1999
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**729.03.04b PAINT MARKING MATERIAL - RAPID DRY WATERBORNE PAINT (TYPE I, TEMPORARY STRIPING FORMULATION)**

<i>Vendor Name / Address</i>		<i>Product Name</i>	<i>Remarks</i>	
Colorado Paint Company/Swarco Marilou Bruce 2851 N Walden Street Aurora CO 80011 marilou.bruce@swarco.com	Phone: (303) 388-9265 Cell: (303) 332-9216 Fax: (303) 388-0881  www.swarco.com/cpc	<b>W: 1160-NV Waterborne</b> <b>Y: 1166-NV Waterborne</b>	Fastrack 3427 W = White; Y = Yellow	approved 12/16/2011

Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com/	<b>W: Pervo Plastics 6000</b> <b>Y: Pervo Plastics 6003</b>	Fastrack 3427 W = White; Y = Yellow	approved 7/30/2002
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**729.03.04b PAINT MARKING MATERIAL - RAPID DRY WATERBORNE PAINT (TYPE I, TEMPORARY STRIPING FORMULATION)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
International Coatings Company, Inc. Lin Lin 13929 East 166th Street Cerritos CA 90703 llin@iccink.com	Phone: (562) 926-1010 Cell: Fax: (562) 926-9486  www.iccink.com	<b>W: Line-Pro 5630</b> <b>Y: Line-Pro 5640</b>	Fastrack HD-21A W = White; Y = Yellow  approved 7 /24/2013
Ozark Materials, LLC Derron Henderson 591 Glendale Ave. Greenville AL 36037 derron@ozarkmaterials.net	Phone: (334) 213-2995 Cell: Fax: (334) 371-2302  www.ozarkmaterials.net	<b>Waterborne Standard Paint (white and yellow)</b>	Fastrack 3427  approved 3 /27/2019
Svevia USA, Inc. Jason Martyn 14567 Rancho Vista Dr. Fontana CA 92335 jason@roadmaxproducts.com	Phone: (909) 559-4134 Cell: (909) 957-4204 Fax:  https://www.roadmaxproducts.com/	<b>Roadmax Fastdry NDOT Series</b>	Fastrack 3427 White = RMP-1000NV-1; Yellow = RMP-1000NV-2  approved 6 /22/2021
Vista Paint Corporation Steve Tetreault 2020 East Orangethorpe Ave. Fullerton CA 92831 stetreault@vistapaint.com	Phone: (702) 539-8973 Cell: (714) 680-3800 Fax: (702) 359-6320  www.vistapaint.com	<b>On-Line Fast Dry 6900 Series: white/yellow/black</b>	Fastrack 3427  approved 7 /22/2019

**729.03.04c PAINT MARKING MATERIAL - RAPID DRY WATERBORNE (TYPE II, PERMANENT STRIPING FORMULATION)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>	
Colorado Paint Company/Swarco Marilou Bruce 2851 N. Walden Street Aurora CO 80011 marilou.bruce@swarco.com	Phone: (303) 388-9265 Cell: (303) 332-9216 Fax: (303) 388-0881  www.swarco.com/cpc	<b>W: 1110-NV Ultra High</b> <b>Y: 1116-NV Ultra High</b>	Fastrack HD-21A W = White; Y = Yellow  approved 12/16/2011
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com/	<b>W: 982831 NVW-HD-M-1</b> <b>Y: 982832 NVY-HD-M-1</b>	Fastrack HD-21A W = White; Y = Yellow  approved 12/11/2002
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (800) 331-8118 Cell: (336) 477-8363 Fax: (336) 475-7900  https://www.ennisflint.com/	<b>W: 982851</b> <b>Y: 982852</b>	Fastrack HD-21A W = White; Y = Yellow Product previously known as W: Pervo Plastics 6050 & Y: Pervo Plastics 6053  approved 7 /30/2002
International Coatings Company, Inc. Lin Lin 13929 East 166th Street Cerritos CA 90703 llin@iccink.com	Phone: (562) 926-1010 Cell: Fax: (562) 926-9486  www.iccink.com	<b>Line-Pro 5610 White</b> <b>Line-Pro 5620 Yellow</b>	Fastrack HD-21A Company contact: (562) 926-1010 ext 371  approved 11/19/2013

**729.03.04c PAINT MARKING MATERIAL - RAPID DRY WATERBORNE (TYPE II, PERMANENT STRIPING FORMULATION)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
Ozark Materials, LLC Derron Henderson 591 Glendale Ave. Greenville AL 36037 derron@ozarkmaterials.net	Phone: (334) 213-2995 Cell: Fax: (334) 371-2302  www.ozarkmaterials.net	<b>Waterborne Durable Paint (white and yellow)</b> Fastrack HD-21A  approved 12/17/2018
Sherwin Williams Company Paul Trautman 101 Prospect Avenue NW Cleveland OH 44115 paul.trautmann@sherwin.com	Phone: (216) 566-1733 Cell: (714) 699-6358 Fax: (216) 830-7721  www.sherwin-williams.com	<b>W: TM2398 Y: TM2399</b> Fastrack HD-21A W = White; Y = Yellow  approved 7 /9 /2003
Svevia USA, Inc. Jason Martyn 14567 Rancho Vista Dr. Fontana CA 92335 jason@roadmaxproducts.com	Phone: (909) 559-4134 Cell: (909) 957-4204 Fax:  https://www.roadmaxproducts.com/	<b>Roadmax HI-BUILD Fastdry NDOT Series</b> Fastrack HD-21A RMP-1100NV-2 White = RMP-1100NV-1; Yellow =  approved 9 /17/2020

**729.03.05 PAINT MARKING MATERIAL - POLYUREA**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
3M Transportation Safety Division Thanh-Huong Do 3M Center, 235-3W-052 St Paul MN 55144 ttdo@mmm.com	Phone: (651) 733-1110 Cell: (702) 743-0012 Fax:  www.3m.com	<b>3M All Weather Liquid Pavement Marking Series 5000</b> Reflective media applied by Double Drop w/Reflective Element Method is restricted to Clark County w/elevation ≤ 4,000 feet. Double Drop applied w/Glass Sphere statewide.  approved 3 /25/2016
Epoplex Chris Beadle 1000 East Park Avenue Maple Shade NJ 08052 cbeadle@epoplex.com	Phone: (800) 822-6920 Cell: (302) 893-0009 Fax: (856) 779-2963  www.epoplex.com	<b>Epoplex LS90</b> White: Part A Yellow: Part A Cross Linker: Part B Reflective media applied by Double Drop w/Reflective Element Method is restricted to Clark Co w/elevation ≤ 4,000 feet. Reflective media applied by Double Drop w/Glass Spheres statewide.  approved 2 /6 /2003
Swarco Colorado Paint Company Ling Tan 2851 N. Walden Street Aurora CO 80011 ling.tan@swarco.com	Phone: (303) 388-9265 Cell: (919) 208-3360 Fax: (303) 388-0881  www.swarco.com/cpc	<b>MFUA 12</b> 6180 White: Part A 6185 Crosslinker: Part B 6186 Yellow: Part A 6187 Black: Part A Reflective media applied by Double Drop w/Reflective Element Method is restricted to Clark County w/elevation ≤ 4,000 feet. Double Drop applied w/Glass Sphere statewide  approved 6 /7 /2013

**732.03.01 PAVEMENT MARKING TAPE (TYPE I)**

<b>Vendor Name / Address</b>	<b>Product Name</b>	<b>Remarks</b>
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>Series 270</b> Type I white/yellow available  approved 5 /6 /2011

**732.03.01 PAVEMENT MARKING TAPE (TYPE I)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Advance Traffic Markings Raeleen Lucas 100 Patch Rubber Road Weldon NC 27890 lucasco@ralucasco.com	Phone: (252) 536-2574 Cell: (714) 397-4428 Fax: (252) 536-4940  www.trafficmarkings.com	<b>Series 300</b> Type I white/yellow available  approved 4 /29/2008
Advance Traffic Markings Raeleen Lucas 100 Patch Rubber Road Weldon NC 27890 lucasco@ralucasco.com	Phone: (252) 536-2574 Cell: (714) 397-4428 Fax: (252) 536-4940  www.trafficmarkings.com	<b>Series 400</b> Type I white/yellow available  approved 4 /29/2008
Brite Line Technologies Shea Durkin 10390 E. 48th Ave. Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series 100</b> Type I white/yellow available  approved 10/10/2007
Brite Line Technologies Shea Durkin 10390 E. 48th Ave. Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series 200</b> Type I white/yellow available  approved 10/10/2007
Brite Line Technologies Shea Durkin 10390 E. 48th Ave. Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series Deltaline TWR</b> Type I white/yellow available  approved 10/10/2007
Swarco Industries, LLC Jonathan Knutson 270 Rutherford Lane / PO Box 89 Columbia TN 38401 jonathan.knutson@swarco.com	Phone: (503) 421-5227 Cell: (503) 421-5227 Fax: (503) 208-2785  www.swarco.com	<b>Series Director 60</b> Type I white/yellow available  approved 2 /17/2004

**732.03.02 PAVEMENT MARKING TAPE (TYPE II)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Advance Traffic Markings Raeleen Lucas 100 Patch Rubber Road Weldon NC 27890 lucasco@ralucasco.com	Phone: (252) 536-2574 Cell: (714) 397-4428 Fax: (252) 536-4940  www.trafficmarkings.com	<b>Series 300</b> Type II white/yellow available  approved 5 /2 /2008
Advance Traffic Markings Raeleen Lucas 100 Patch Rubber Road Weldon NC 27890 lucasco@ralucasco.com	Phone: (252) 536-2574 Cell: (714) 397-4428 Fax: (252) 536-4940  www.trafficmarkings.com	<b>Series 400</b> Type II white/yellow available  approved 4 /29/2008



**732.03.02 PAVEMENT MARKING TAPE (TYPE II)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
Brite Line Technologies Shea Durkin 10390 E. 48th Ave. Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series 900</b> Type II white/yellow available  approved 2 / 2 / 2010

Brite Line Technologies Shea Durkin 10390 E. 48th Ave. Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series Deltaline XRP</b> Type II white/yellow available  approved 2 / 2 / 2010
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**732.03.03 PAVEMENT MARKING TAPE (TYPE IV)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>Series 270</b> Type IV IES is a standard high performance optic WR ES is a standard high performance, wet reflective optics  approved 5 / 6 / 2011

3M Transportation Safety Division Eric Dornak 1605 Sabatini Drive Henderson NV 89052 ejdornak@mmm.com	Phone: (800) 553-1380 Cell: (702) 743-0012 Fax: (651) 732-8435  www.3M.com/tcm	<b>Series 380AW and Series 380IES</b> Type IV IES is a standard high performance optic WR ES is a standard high performance, wet reflective optics  approved 5 / 6 / 2011
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Advance Traffic Markings Raeleen Lucas 100 Patch Rubber Road Weldon NC 27890 lucasco@ralucasco.com	Phone: (252) 536-2574 Cell: (714) 397-4428 Fax: (252) 536-4940  www.trafficmarkings.com	<b>Series 300</b> Type IV white/yellow available  approved 10/19/2012
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Advance Traffic Markings Raeleen Lucas 100 Patch Rubber Road Weldon NC 27890 lucasco@ralucasco.com	Phone: (252) 536-2574 Cell: (714) 397-4428 Fax: (252) 536-4940  www.trafficmarkings.com	<b>Series 400</b> Type IV  approved 4 / 29 / 2008
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Brite Line Technologies Shea Durkin 10390 E. 48th Ave. Denver CO 80238 sdurkin@brite-line.com	Phone: (303) 375-1293 Cell: (720) 217-1747 Fax: (303) 375-8557  www.brite-line.com	<b>Series Deltaline XRP</b> Type IV  approved 2 / 2 / 2010
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**732.03.04a PAVEMENT MARKINGS (HOT APPLIED THERMOPLASTIC)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>
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**732.03.04b PAVEMENT MARKINGS (PERFORMED THERMOPLASTIC)**

<i>Vendor Name / Address</i>	<i>Product Name</i>	<i>Remarks</i>	
Ennis-Flint, Inc. QPL Administrator 4161 Piedmont Pkwy, Ste. 370 Greensboro NC 27410 dl-QPLAdmin@ppg.com	Phone: (336) 477-8363 Cell: (800) 311-8118 Fax: (336) 475-7900  http://www.ennisflint.com	<b>PreMarkXF</b>    	select 0.125" / 125 mil thick product    approved 9/17/2019
Geveko Markings, Inc. Laura Clark 1883 New Harvest Road Gainesville GA 30507 lclark@gevekomarkings.com	Phone: (770) 847-9410 Cell: Fax: (770) 757-9949  www.geveko-markings.us	<b>OPTAMARK</b>    	select 0.125" / 125 mil thick product    approved 12/20/2017
Ozark Materials, LLC Derron Henderson 591 Glendale Ave. Greenville AL 36037 derron@ozarkmaterials.net	Phone: (334) 213-2995 Cell: Fax: (334) 371-2302  www.ozarkmaterials.net	<b>Preformed Thermoplastic</b>    	select 0.125" / 125 mil thick product    approved 12/17/2018
Preform, LLC Alex Cady 3845 Deerpark Blvd. Elkton FL 32033 acady@preform.us	Phone: (888) 826-5161 Cell: Fax:  www.preform.us	<b>PREFORM</b>    	select 0.125" / 125 mil thick product. Alternate contact is Roxanne Brown (rox@preform.us), direct# 512-736-5282.    approved 6/22/2021
Swarco Industries, LLC Jonathan Knutson 270 Rutherford Ln / PO Box 89 Columbia TN 38401 jonathan.knutson@swarco.com	Phone: (503) 421-5227 Cell: (503) 421-5227 Fax: (503) 208-2785  www.swarco.com/americas	<b>Preformed Thermoplastic</b>    	select 0.125" / 125 mil thick product    approved 7/2/2018

**QPL NOTES**  
**March 15, 2023**

If specified in a contract’s Special Provisions under the “Notice to Contractors”, contractors are required to use that Qualified Products List (QPL). This dated QPL is distributed to the contractors along with contract documentation.

The QPL is maintained by the NDOT Research Section. Products will remain on the QPL as long as their performance is satisfactory and the product vendor/manufacturer complies with NDOT requirements. Poor performance in the field will result in suspension and/or removal at any time from the QPL, as per established NDOT product evaluation procedures. The NDOT Product Evaluation Coordinator must be notified of any modification of material, composition or configuration of a product or change in manufacturer’s name and address in a timely manner (defined as within 30 days). Failure to disclose this information may result in suspension of approval and/or removal from the QPL.

The evaluation of a product listed on the QPL does not constitute an endorsement by the Department nor does it imply a commitment to purchase, recommend, or specify the product in the future.

If you have any questions regarding QPL and/or product evaluation process, contact Sabra Gilbert -Young, Product Evaluation Coordinator, via e-mail at [sgilbert-young@dot.nv.gov](mailto:sgilbert-young@dot.nv.gov) or by telephone at (775) 888-7894.

## Past Editions of the NDOT QPL

NDOT typically publishes a QPL four times a year but may do so at any time to capture significant changes. If the QPL you are trying to find is no longer available on the NDOT website, please contact the [Product Evaluation Coordinator](#) to request the specific QPL you are looking for.

<b>2023:</b>	
<b>2022:</b>	December 14, September 19, June 15, March 14
<b>2021:</b>	December 20, September 21, June 22, April 15, March 11
<b>2020:</b>	December 10, September 17, June 11, April 1
<b>2019:</b>	December 31, September 17, July 22, May 2, March 29
<b>2018:</b>	December 31, December 17, September 26, July 2, June 30, April 18, March 28, February 9
<b>2017:</b>	December 27, October 2, June 27, April 25
<b>2016:</b>	December 6, September 30, June 22, May 2, April 13, March 17
<b>2015:</b>	May 14
<b>2014:</b>	December 24, September 9, June 9, February 7, January 3
<b>2013:</b>	September 10, June 25, February 8
<b>2012:</b>	December 7, September 18, May 17, April 5, March 2, February 8, January 4
<b>2011:</b>	December 5, November 29, October 14, September 23, August 8, August 3, <b>July 22</b> , June 9, June 2, May 27, April 14, April 6, April 5, March 31, March 29, March 21, January 25, January 6
<b>2010:</b>	December 10, October 28, August 23, July 20, July 7, June 7, May 7, April 15, March 2, February 22
<b>2009:</b>	December 3, October 8, June 22, May 1, April 14, March 24, March 17
<b>2008:</b>	November 12, November 4, September 3, July 16, June 2, April 4, March 31, March 6, January 22
<b>2007:</b>	November 27, November 20, September 14, August 10, July 6, May 21, March 30, February 21
<b>2006:</b>	November 14, October 23, August 1, June 22, May 22, May 8, March 28, March 23, February 21, January 19
<b>2005:</b>	<b>November 10, August 29, February 9</b>
<b>2004:</b>	<i>None known</i>
<b>2003:</b>	<b>May 22, March 23</b>
<b>2002:</b>	<b>May 30</b>
<b>2001:</b>	November 30

QPLs displayed in **red** were not previously displayed on the Product Evaluation webpage. While the Product Evaluation program welcomes inquiries it can only provide a specific QPL that a product appeared on. It cannot answer questions regarding which products were used on a specific project or why one product was selected instead of another. Inquiries of that nature are best directed to the contractor who was awarded that work.

# Transportation Management Plan

**US 395, Washoe County  
Milepost 27.064 to 31.107**

**Construct Aux Lane Northbound and Southbound, Construct Travel Lane Southbound, Construct New Braided Ramp at Panther Valley Interchange, and Rehab Existing Pavement**



**January 2023**



**Nevada Department of Transportation  
1263 S. Stewart Street  
Carson City, Nevada 89712**

Prepared By: Jessica Downing

## Executive Summary

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US 395 is the primary connector between Reno/Sparks and the Golden Valley, Lemmon Valley, Stead, and Cold Springs areas. This route also serves as the main connector to northeastern California. This project consists of adding auxiliary lanes, an additional travel lane, a new braided ramp, and roadway rehabilitation on US 395 in Washoe County. These improvements will be constructed between mileposts WA 27.064 to 31.107. The roadway is classified as a freeway. US 395 within the project limits has a posted speed limit of 65 mph. Traffic control will consist of lane, shoulder, and ramp closures, lane, shifts, and flagging operations.

This Transportation Management Plan (TMP) will describe the transportation management strategies developed throughout the course of this project. The strategies developed include the Maintenance of Traffic Plan and the Transportation Operations Plan.

## TMP Roles and Responsibilities

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### TMP Coordinator

The Nevada Department of Transportation's (NDOT) Project Coordinator for this project is Victor Peters. Jessica Downing will serve as the Transportation Management Plan (TMP) Project Manager and is responsible for the overall development of the TMP.

Victor Peters  
Office: (775) 888-7680  
vpeters@dot.nv.gov

Jessica Downing  
Office: (775) 888-7705  
jdowning@dot.nv.gov

### TMP Team

The TMP Team is comprised of the individuals who have been involved in the development and review of the TMP. The TMP team consisted of Pedro Rodriguez, Robert Vrooman (NDOT Project Management), Ruedy Edgington (HDR/Consultant Project Manager), Victor Peters, Katie Durham (NDOT Roadway Design), Mike West, Shawn Hilbert (NDOT Constructability), Bhu Sandhu, Andrew Lawrence, Joel Read (NDOT District 2 Construction), Austin Hoekstra, Jeff Bickett, Eric Harmer, Jessica Downing (Traffic Operations).

### TMP Implementation Task Leaders

The following are some of the implementation responsibilities of Task Leaders as defined in this TMP:

#### NDOT Resident Engineer

1. Approve staging areas.
2. Coordinate with other construction activity in the general area of this project.
3. Enforce the contract limitations of operations.
4. Review the safety of in-place traffic control and contractor operations.
5. Provide construction information to District II so that they can place it on the 511 website.
6. Identify additional emergency contacts.

#### Contractor

1. Choose staging areas.
2. Coordinate with other construction activity in the general area of this project.
3. Design and submit traffic control plans.
4. Provide traffic control supervision and inspection.

### Emergency Contacts

Bhupinder Sandhu, Asst. District II Engineer:	(775) 834-8300 Office; (775) 434-3458 Cell
Andrew Lawrence, Resident Engineer:	(775) 888-3040 Office; (775) 443-5169 Cell
Joel Read, Asst. Resident Engineer:	(775) 888-3040 Office; (775) 400-6740 Cell
Garrett Rodgers, PE Crew 905	(775) 888-3040 Office; (775) 350-0755 Cell

Additional emergency contacts will be identified at the Pre-Construction Meeting.



## Project Description

The project extends from North McCarran interchange to the Golden Valley interchange on US 395. The work consists of constructing a new travel lane in the southbound direction, new auxiliary lanes in the northbound and southbound directions, and a new braided ramp at the Panther Valley interchange. Other items will include drainage improvements, new lighting, signs, striping, concrete barrier rail, sound walls, retaining walls, and rehabilitation of existing pavement.

## Project Type

This capacity project is federally funded.



## General Schedule and Timeline

This project is anticipated to begin construction in the spring of 2023 with four-hundred fifty (450) working days.

## Need for Detours

This project utilizes lump sum traffic control, traffic control plans will be developed and supplied by the contractor and will be approved by the Resident Engineer. Any detours shall be provided in the traffic control plans. Pedestrian traffic control and detours shall be submitted together with the work zone traffic control plans. Plans for any closures and detours shall be submitted 14 days prior for approval.

## Existing and Future Conditions

US 395 in the project area is a freeway with three 12-foot through lanes northbound from Clear Acre to Golden Valley and reduces to two lanes from Golden Valley to Lemmon Valley with an auxiliary lane between Panther Valley on-ramp and Golden Valley off-ramp. There are two lanes southbound for the entire corridor from Lemmon Valley to Clear Acre with an auxiliary lane between Golden Valley on-ramp and Panther Valley off-ramp. The posted speed limit is 65 mph. The directional traffic in the project corridor is separated by a median with a concrete barrier rail. Each directional travel way has both an inner and an outer shoulder of varying width, 8-12 feet. There are four freeway interchanges along the section. The heavy truck percentage is 6%.

Typical morning peak hour traffic volumes on US 395 are 3,347 vehicles per hour (vph) southbound and 2,179 vph northbound. The morning peak traffic periods are 5:00 AM to 12:00 PM in the southbound direction and 6:00 AM to 12:00 PM in the northbound direction. The afternoon peak hour volumes are 3,081 vph southbound and 4,611 vph northbound. The afternoon peak traffic periods are 12:00 PM to 7:00 PM in both directions.

- US 395: between the McCarran Blvd I/C Exit 70 and Parr Blvd I/C Exit 71 (2019) ..... 86,500 AADT**
- US 395: 0.1 mile North of the Golden Valley Interchange Exit 73 (2017) ..... 74,500 AADT**
- US 395: 200 feet South of the Stead Interchange Exit 76 sign (2021) ..... 51,500 AADT**
- US 395: 0.4 miles North of the N/B on-ramp of the Parr Blvd I/C Exit 71 (2021) ..... 74,000 AADT**

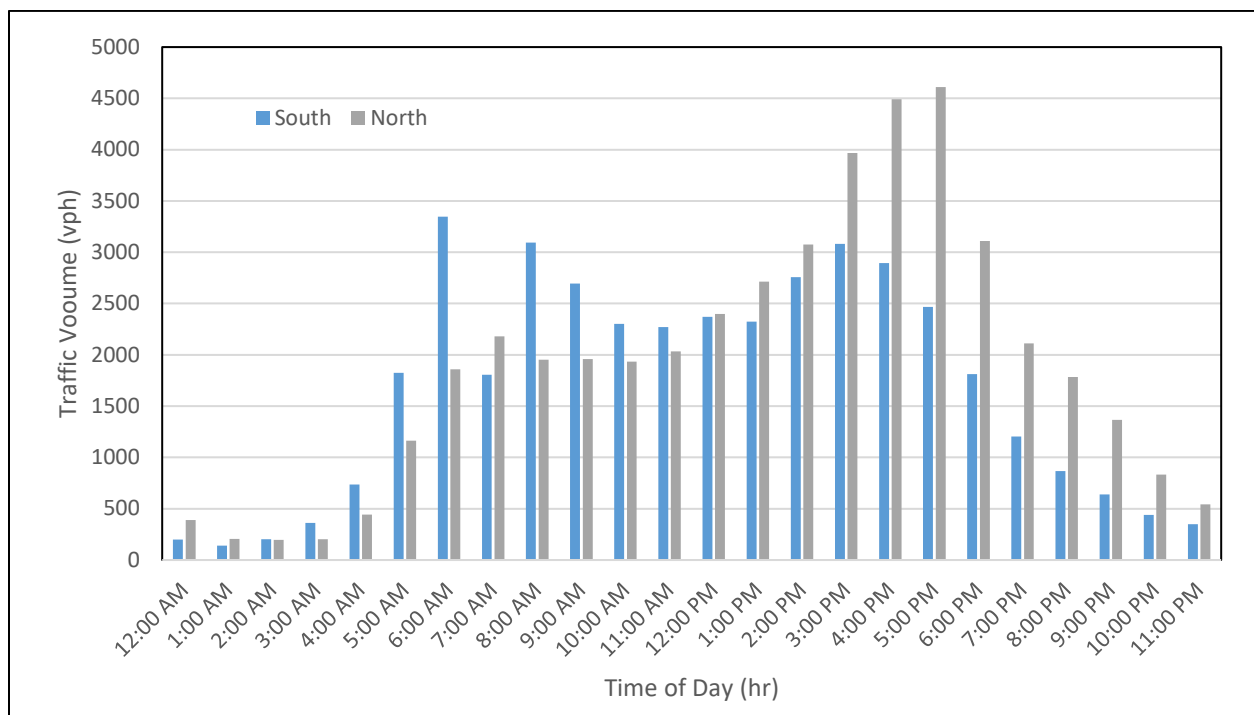


Figure 1: Typical Weekday Traffic Characteristics on US 395 (Between McCarran and Parr)

Traffic Operations Division recommends the following:

**Southbound direction:**

2 lanes recommended from 5:00 AM to 7:00 PM,

**Northbound direction:**

2 lanes recommended from 7:00 AM to 8:00 AM and 11:00 AM to 4:00 PM,

3 lanes recommended from 3:00 PM to 6:00 PM, where available.

**North of Golden Valley Interchange**

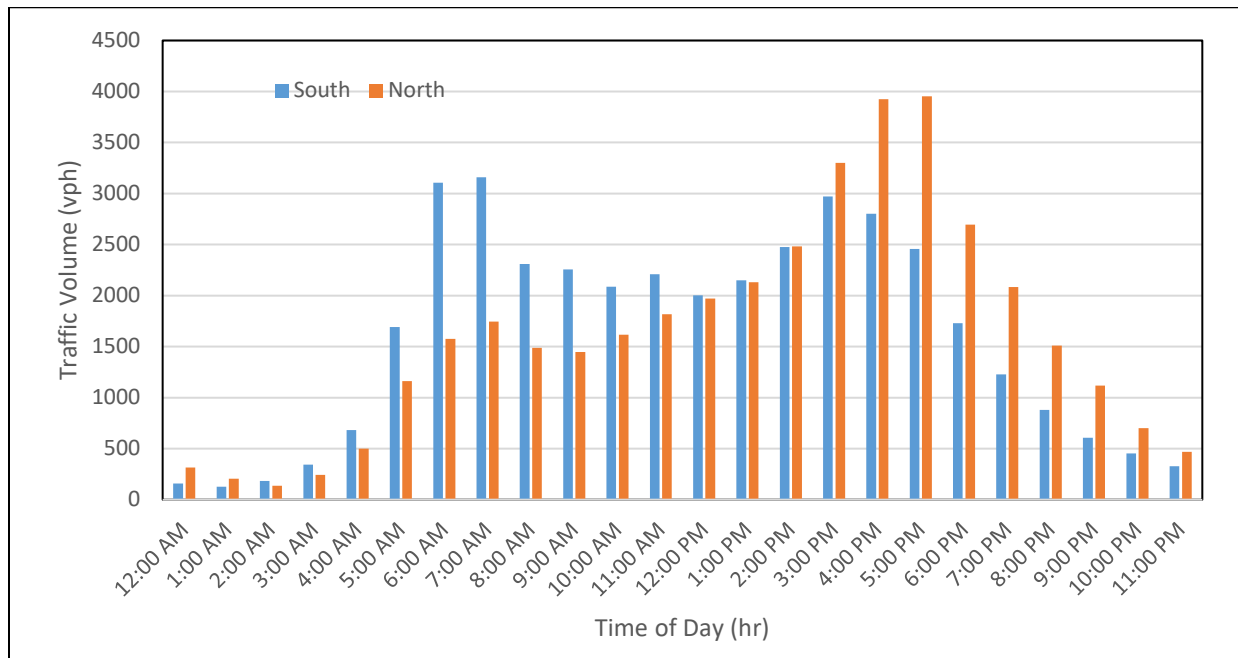


Figure 2: Typical Weekday Traffic Characteristics on US 395 (Between Golden Valley and Lemmon Valley)

One lane per direction should always be opened to traffic. Additionally,

**Southbound direction:**

2 lanes recommended from 6:00 AM to 7:00 PM.

**Northbound direction:**

2 lanes recommended from 7:00 AM to 8:00 AM and 10:00 AM to 8:00 PM.

**Weekend Traffic Information (2017)**

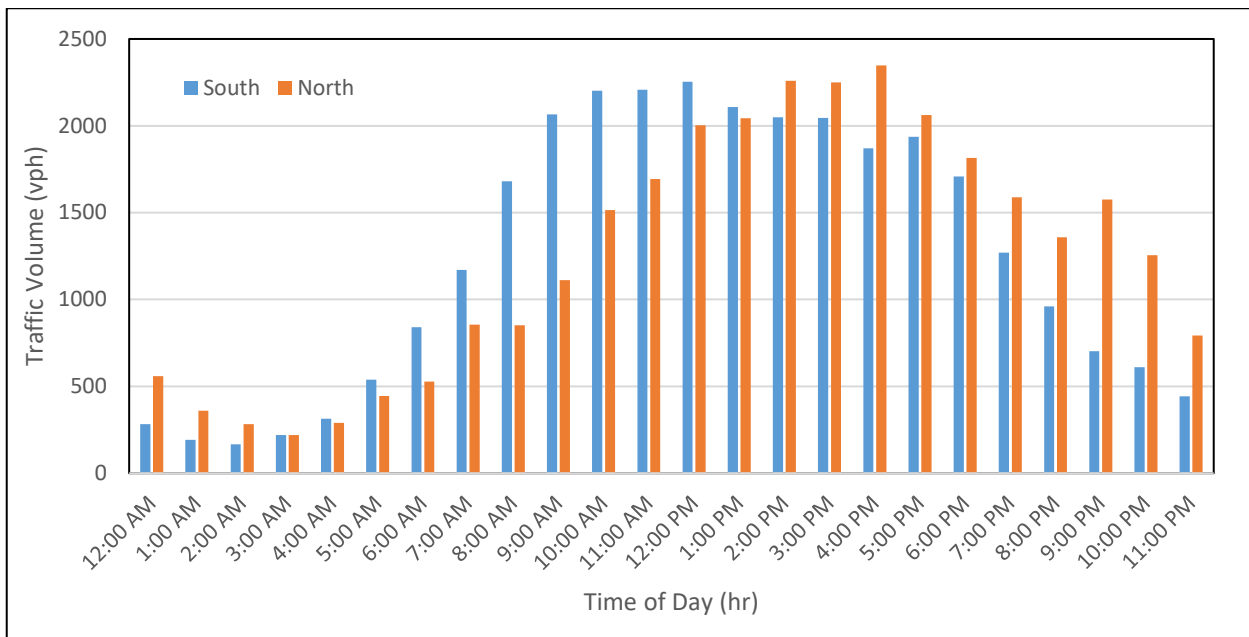


Figure 3: Typical Weekend Traffic Characteristics on US 395 (Between McCarran and Parr)

**Southbound direction:**

2 lanes recommended from 7:00 AM to 6:00 PM

**Northbound direction:**

2 lanes recommended from 10:00 AM to 6:00 PM



## Stakeholder Concerns/Issues

Project stakeholders and organizations potentially affected by the project include:

- Nevada Department of Transportation
- Federal Highway Administration (FHWA)
- Union Pacific Railroad (UPRR)
- Nevada State Police: Division of Highway Patrol
- Washoe County
- Washoe County School District
- City of Reno
- Regional Transportation Commission Washoe (RTC Washoe)
- Desert Research Institute
- Truckee Meadows Community College (TMCC)
- Truckee Meadows Fire Protection District
- SPCA of Northern Nevada Shelter
- Local utility companies
- Emergency medical services
- Local law enforcement agencies
- Adjacent local and commercial businesses
- Adjacent residents

Stakeholder traffic concerns and issues, including those by the community and business representatives, known are:

- Delays to traffic
- Roadway and ramp closures and detours
- Construction noise impacts on residents adjacent to the roadway
- Inconvenience to access local businesses and residences

## Work Zone Impacts Assessment Report

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### Qualitative Summary of Anticipated Work Zone Impacts

This work will have impacts on mobility. The construction is expected to use lane closures, shoulder closures, ramp closures, and flagging operations. There will be prolonged lane closures during roadway widening, bridge work, and retaining wall work. Directional mainline closures will only be performed during nighttime and off-peak traffic hours.

It is anticipated that the traveling public will experience longer commute times during construction even with the public outreach efforts implemented. Significant congestion may occur in locations adjacent to the project work area, especially during any daytime operations. Backups should be planned for by utilizing advanced signing, warnings on changeable message signs, and public notifications advising motorists to utilize alternate routes whenever possible.

Although the traffic volumes are expected to cause congestion and delays through the work zone, the work zone will operate safely and efficiently with implementation of advanced warning signs, DMS controlled by Reno Road Operations Center (ROC), CMS and notices to residents and businesses.

Project areas with a posted speed limit of 65 mph may reduce to 55 mph during construction, as directed. Speed reductions to include advanced warning signs and additional mitigation strategies to assist with compliance and promote safety and awareness.

A work zone impact assessment will be developed throughout construction. This ongoing assessment will include daily field surveys that monitor traffic mobility, evaluation of work safety records, and daily evaluation of stakeholder and public complaints. Upon review of the assessments, NDOT and the contractor may choose to modify the traffic control to improve deficiencies as appropriate.

### Construction Approach/Phasing/Staging Strategies

This project will be completed using lump sum traffic control, submitted by the contractor and approved by the Resident Engineer.

A minimum of eighteen (18) changeable message signs shall be deployed to assist the traveling public during construction. Changeable message signs may be used for smart travel time system as directed.

Structures G-1748 N & S and G-1092 N & S are over railroad tracks. Coordination with UPRR is required as specified in section 107.08 of the special provisions.

A new traffic signal project at the Parr Blvd / Dandini Blvd interchange will be complete prior to construction of this project. Contact District II permit office at 775-834-8330 for any questions.

The use of traffic drums on US 395 are mandatory for tapers or shifts.

Flaggers are required for all truck ingress and egress locations, for cross street intersections, and when deemed necessary and directed for safety.

To enhance safety and conspicuity a minimum of six (6) trailer-mounted speed feedback signs and yellow flashing beacons placed on the W3-5A signs shall be used during approved speed reductions.

The temporary regulatory speed limit should not be left in effect beyond the daily hours of operations unless the conditions for which the speed reduction was implemented continues to exist, or channeling devices are required to route traffic through the work zone area.

The original regulatory speed limit shall be resumed by posting new signs at the end of the work zone for each direction of traffic.

Traffic control operations that take place at night, the use of portable overhead trailer mounted balloon lighting is mandatory as determined and specified in 625 of the Special Provisions.

## Work Zone Impacts Management Strategies

A variety of management strategies may be deployed to minimize disruption to traffic and maintain a safe working environment. Suggested strategies to minimize impacts are documented in Table 1 (temporary traffic control), Table 2 (traffic operations control), and Table 3 (public information) as shown below:

<b>Table 1- Temporary Traffic Control (TTC) Strategies</b>			
<b>A. Control Strategies</b>	<b>B. Traffic Control Devices</b>	<b>C. Project Coordination, Contracting, and Innovative Construction Strategies</b>	
Construction phasing/staging Lane shifts or closures: <ul style="list-style-type: none"> <li>▪ Lane closures to provide worker safety</li> <li>▪ Shoulder closures to provide worker safety</li> <li>▪ Lane shift to shoulder/median to maintain number of lanes</li> </ul> Ramp closures/relocation Night work Weekend work Work hour restrictions for peak travel Off-site detours/alternate routes	Temporary signs <ul style="list-style-type: none"> <li>• Warning</li> <li>• Regulatory</li> </ul> Changeable message signs Arrow panels Channelizing devices Flaggers and uniformed traffic control officers Lighting devices Balloon lighting	Project Coordination <ul style="list-style-type: none"> <li>• Coordination with other projects</li> <li>• Utilities coordination</li> <li>• Right-of-Way coordination</li> <li>• Coordination with other transportation infrastructure</li> </ul>	
<b>Table 2- Transportation Operations (TO)</b>			
<b>A. Demand Management Strategies</b>	<b>B. Corridor/Network Management Strategies</b>	<b>C. Work Zone Safety Management Strategies</b>	<b>D. Traffic/Incident Management and Enforcement Strategies</b>

	Emergency turnouts	Construction safety supervisors/inspectors TMP monitor/inspection team Team meetings Speed limit reduction Warning lights	Incident/emergency management coordinator Incident/emergency response plan Dedicated (paid) police presence Increased penalties for work zone violations
<b>Table 3- Public Information (PI)</b>			
Press releases/media alerts (performed by Headquarters) as appropriate Coordination with media, schools, businesses, and/or emergency services as appropriate		Changeable Message Signs (CMS) Highway information network (web-based) 511 traveler information systems (wireless, handhelds) Social Media (Facebook, Twitter) Dynamic Speed Message Signs	

## Selected Alternative

The selected alternative for work will be completed using lump sum traffic control submitted by the contractor and approved by the Resident Engineer. Traffic control plans submitted by the contractor will be subject to the construction restrictions and limitations as written in the Special Provisions.

## TMP Monitoring

### Monitoring Requirements

The Resident Engineer will monitor the effectiveness of the TMP through general inspection and traffic control supervision. The NDOT Resident Engineer will document unforeseen events relevant to the TMP as well as lessons learned. If any relevant information is documented, it should be distributed to the TMP Project Manager.

## Public Information and Outreach Plan

As appropriate, portable CMSs will be used to inform road users of traffic information, such as to alert drivers of possible delays, dates construction will occur, incidents, or alternate routes. The current plan is to deploy eighteen (18) CMS ten (10) days prior to construction activities.

NDOT also maintains work zone information for motorists on the 511 Traveler Information Line as well as on their website (<http://www.nvroads.com>). This project will be posted on the Traveler Information System.

## Incident Management Plan

Incident management is the standardized procedure in place for the safe, efficient, and quick management of an incident zone from the time of incident to roadway clearance. Incident management will be handled by the 1<sup>st</sup> responder community. At each incident a 1<sup>st</sup> responder, known as the Incident Commander, will take authority over the management of incident zone. It is the responsibility of NDOT, the contractor, all subcontractors, and any consultants to defer to the Incident Commander until the incident area is clear. Guidelines for incident management are developed and adopted by local agencies as part of the local Traffic Incident Management (TIM) Coalition. For questions during an incident see the Incident Commander, for all other times contact TIM representatives Captain John Dondero at 775-687-9628 or at [Jdondero@dps.state.nv.us](mailto:Jdondero@dps.state.nv.us). For NDOT maintenance participation contact Assistant District Engineer John Angel at 775-834-8300 or at [jangel@dot.nv.gov](mailto:jangel@dot.nv.gov).