

County of Humboldt • Department of Public Works
1106 Second Street • Eureka • CA • 95501 • (707) 445-7652



SPECIAL PROVISIONS

NOTICE TO BIDDERS,
PROPOSAL AND CONTRACT

FOR

OAK St AND F St TRAFFIC SIGNAL PROJECT

CONTRACT NO.: 321621

40 WORKING DAYS

FOR USE WITH Standard Specifications dated 2022,
Standard Plans dated 2022, Prevailing Wage Rates,
Labor Surcharge and Equipment Rental Rates

BIDS OPEN: MAY 2, 2023 AT 2:00 PM

County of Humboldt
Department of Public Works
1106 Second Street
Eureka, CA 95501

Note: To register as a plan-holder, prospective bidders must email a request to the Department of Public Works Contact Person. Failure to register as a plan-holder with the Department of Public Works may result in a nonresponsive bid.

SPECIAL PROVISIONS

NOTICE TO BIDDERS,
PROPOSAL AND CONTRACT

FOR

OAK ST AND F ST TRAFFIC SIGNAL PROJECT

CONTRACT NO.: 321621

Prepared by

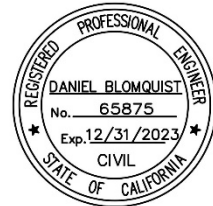
County of Humboldt
Department of Public Works
1106 Second Street
Eureka, CA 95501

Recommended:



Daniel T. Blomquist
RCE 65875, Expires 12/31/2023

02/28/2023
Date



Approved:



Tony R. Seghetti
RCE 63174, Expires 09/30/2024

03/09/2023
Date

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STANDARD PLANS LIST

The standard plan sheets applicable to this Contract include those listed below. The applicable revised standard plans (RSPs) listed below are included in the project plans.

ABBREVIATIONS, LINES, SYMBOLS, AND LEGEND

A3A	Abbreviations (Sheet 1 of 3)
A3B	Abbreviations (Sheet 2 of 3)
A3C	Abbreviations (Sheet 3 of 3)
A10A	Legend - Lines and Symbols (Sheet 1 of 5)
A10B	Legend - Lines and Symbols (Sheet 2 of 5)
A10C	Legend - Lines and Symbols (Sheet 3 of 5)
A10D	Legend - Lines and Symbols (Sheet 4 of 5)
A10E	Legend - Lines and Symbols (Sheet 5 of 5)

PAVEMENT MARKERS, TRAFFIC LINES, AND PAVEMENT MARKINGS

A20A	Pavement Markers and Traffic Lines - Typical Details
A20B	Pavement Markers and Traffic Lines - Typical Details
A20C	Pavement Markers and Traffic Lines - Typical Details
A20D	Pavement Markers and Traffic Lines - Typical Details
A24A	Pavement Markings - Arrows
A24B	Pavement Markings - Arrows and Symbols
A24C	Pavement Markings - Symbols and Numerals
A24D	Pavement Markings - Words
A24E	Pavement Markings - Words, Limit and Yield Lines
A24F	Pavement Markings - Crosswalks

EXCAVATION AND BACKFILL

A62A	Excavation and Backfill - Miscellaneous Details
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CURBS, DRIVEWAYS, DIKES, CURB RAMPS, AND ACCESSIBLE PARKING

A87A	Curbs and Driveways
A88A	Curb Ramp Details

TEMPORARY TRAFFIC CONTROL SYSTEMS

T13	Traffic Control System for Lane Closure on Two Lane Conventional Highways
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TEMPORARY WATER POLLUTION CONTROL

T61	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T62	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T63	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T64	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)

	ELECTRICAL SYSTEMS
ES-1A	Electrical Systems (Legend)
ES-1B	Electrical Systems (Legend)
ES-1C	Electrical Systems (Legend)
	ELECTRICAL SYSTEMS - SERVICE EQUIPMENT AND WIRING DIAGRAMS
ES-2A	Electrical Systems (Service Equipment)
ES-2D	Electrical Systems (Service Equipment Enclosure and Typical Wiring Diagram, Type III - A Series)
	ELECTRICAL SYSTEMS - CONTROLLER CABINETS
ES-3C	Electrical Systems (Controller Cabinet Foundation and Pad Details)
	ELECTRICAL SYSTEMS - SIGNAL HEADS, SIGNAL FACES AND MOUNTINGS
ES-4A	Electrical Systems (Signal Head Mounting)
ES-4B	Electrical Systems (Pedestrian Signal Heads)
ES-4C	Electrical Systems (Signal Heads and Mountings)
ES-4D	Electrical Systems (Signal Head Mounting)
ES-4E	Electrical Systems (Signal Heads and Optical Detector Mounting)
	ELECTRICAL SYSTEMS - DETECTORS
ES-5A	Electrical Systems (Loop Detectors)
ES-5B	Electrical Systems (Detectors)
ES-5C	Electrical Systems (Accessible Pedestrian Signal and Push Button Assemblies)
ES-5D	Electrical Systems (Curb and Shoulder Termination, Trench, and Handhole Details)
	ELECTRICAL SYSTEMS - SIGNAL AND LIGHTING STANDARD, TYPE TS, AND PUSH BUTTON ASSEMBLY POST
ES-7A	Electrical Systems (Signal and Lighting Standard, Type TS, and Push Button Assembly Post)
	ELECTRICAL SYSTEMS - SIGNAL AND LIGHTING STANDARDS
ES-7B	Electrical Systems (Signal and Lighting Standard, Type 1 and Equipment Identification Characters)
ES-7E	Electrical Systems (Signal and Lighting Standard, Case 3 Signal Mast Arm Loading, Wind Velocity = 100 mph and Signal Mast Arm Lengths 15' to 45')
ES-7F	Electrical Systems (Signal and Lighting Standard, Case 4 Signal Mast Arm Loading, Wind Velocity = 100 mph and Signal Mast Arm Lengths 25' to 45')
	ELECTRICAL SYSTEMS - FLASHING BEACONS
ES-7J	Electrical Systems (Flashing Beacon on a Type 1, Type 15-FBS and Type 40 Standard)
	ELECTRICAL SYSTEMS - SIGNAL AND LIGHTING STANDARD DETAILS
ES-7M	Electrical Systems (Signal and Lighting Standard, Detail No. 1)
ES-7N	Electrical Systems (Signal and Lighting Standard, Detail No. 2)
ES-7O	Electrical Systems (Signal and Lighting Standard, Detail No. 3
)
	ELECTRICAL SYSTEMS - PULL BOX
ES-8A	Electrical Systems (Non-Traffic Pull Box)

**ELECTRICAL SYSTEMS - ISOFOOTCANDLE CURVES AND
FOUNDATION DETAILS**

ES-11

Electrical Systems (Foundation Installations)

**ELECTRICAL SYSTEMS - SPLICE INSULATION METHODS,
KINKING AND BANDING DETAILS**

ES-13A

Electrical Systems (Splice Insulation Methods Details)

ES-13B

Electrical Systems (Kinking and Banding Detail)



COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

NOTICE TO BIDDERS

Sealed proposals will be received by (and all bids should be mailed or delivered to) the

Department of Public Works
SEALED BID for (Project Name)
County of Humboldt
1106 Second Street
Eureka, California, 95501

until 2:00 PM, **TUESDAY, MAY 2, 2023**, at which time they will be publicly opened by the Department of Public Works of the County of Humboldt at a public meeting located at the parking lot of the building on 1106 Second Street, Eureka, California, for performing work as follows:

OAK St AND F St TRAFFIC SIGNAL PROJECT
CONTRACT NO.: 321621

Bids are required for the entire work as described herein:

The work to be done consists of traffic control system, concrete removal, construction of curb ramps, installation of street lighting, placing slurry seal over existing asphalt, roadway striping and pedestrian crossing markings. Bidders are advised that the work must be completed within **40 working days**. The Engineer's Estimate for this work is: **\$1,053,600**.

Plans, Special Provisions and Proposal Forms may be viewed at the Humboldt County Department of Public Works, 1106 Second Street, Eureka, California, 95501, at area plan centers and on the County's website at: <http://humboldt.gov/Bids.aspx>.

To receive electronic bid documents and to **register as a plan-holder**, prospective bidders must email a request to the following project contact: Department of Public Works Office Assistant, PWEngineering@co.humboldt.ca.us, (707) 445-7652. Failure to register as a plan-holder with Department of Public Works may result in a nonresponsive bid.

Printed copies of the contract documents may be obtained by prospective Bidders upon ADVANCE payment of a non-refundable printing and service charge in the amount of \$15.00. All checks shall be made payable to COUNTY OF HUMBOLDT and should be mailed along with the request for Plans to the Humboldt County Department of Public Works, 1106 Second Street, Eureka, California, 95501.

Telephone: (707) 445-7652 Requests for plans, planholder list or project estimate
(707) 445-7377 Engineering division, questions regarding plans or specs
(707) 445-7409 Fax transmissions

Plans and Special Provisions reference the Caltrans Standard Specifications and Standard Plans dated 2018. Provisions that reference federal-aid contracts are applicable.

The successful Bidder shall furnish a Payment Bond and a Performance Bond.

The Contractor shall possess a **CLASS "A"** Contractors License at the time this contract is awarded.

No pre-bid meeting is scheduled for this project.

This contract is subject to state contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990.

Inquiries or questions based on alleged patent ambiguity of the plans, specifications or estimate must be communicated as a bidder inquiry prior to bid opening. Any such inquiries or questions, submitted after bid opening, will not be treated as a bid protest.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project, available at County of Humboldt, 1106 2nd Street, Eureka, CA. 95501 and available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/DLSR/PWD>

The U.S. Department of Transportation (DOT) provides a toll-free hotline to report bid rigging activities. Use the hotline to report bid rigging, bidder collusion, and other fraudulent activities. The hotline number is (800) 424-9071. The service is available 24 hours 7 days a week and is confidential and anonymous. The hotline is part of the DOT's effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General.

KATHY HAYES

Clerk of the Board of Supervisors

County of Humboldt, State of California

DATED: _____



COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

**SPECIAL PROVISIONS
FOR**

**OAK St AND F St TRAFFIC SIGNAL PROJECT
CONTRACT NO.: 321621**

DIVISION I GENERAL PROVISIONS

1 GENERAL

Add to section 1-1.01:

The work embraced herein shall be done in accordance with the **STANDARD SPECIFICATIONS dated 2022**, and the **STANDARD PLANS dated 2022**, and revisions thereto, of the State of California, Department of Transportation insofar as the same may apply and in accordance with the following special provisions. In case of conflict between the Standard Specifications and these special provisions, the special provisions shall take precedence over and be used in lieu of such conflicting portions.

All bid proposals and materials submitted in response to this Notice to Bidders shall become the County's property and are subject to disclosure under the Public Records Act, California Government Code Sections 6250, et seq. All bid proposals submitted in response hereto, are considered public information, except for specifically identified trade secrets, which will be handled according to any and all applicable local, state and federal laws and regulations. Any portion of a bid proposal that is deemed to be a trade secret by the bidder shall be clearly marked "PROPRIETARY INFORMATION" at the top of the page in at least one-half inch (1/2") letters. Specifically identified proprietary information will not be released, if the bidder agrees to indemnify and defend the County in any action brought to disclose such information. By submitting a bid proposal in response to this Notice to Bidders, the bidder agrees that the County's failure to contact the bidder prior to the release of any proprietary information contained therein will not be a basis for liability by the County or any employee thereof. Items considered public information will be available for review after the bid opening.

Add to section 1-1.01:

Bid Items and Applicable Sections

Item code	Item description	Applicable section
703233A	16"x5" Rectangular Underdrain	70

Replace the following definitions in section 1-1.07B with:

DEPARTMENT, DIRECTOR: Humboldt County Department of Public Works.

ENGINEER: The Director of Public Works of Humboldt County or his authorized agent working within the scope of his authority.

STATE: County of Humboldt, a political subdivision of the State of California.

Add to section 1-1.07B:

LABORATORY: Materials and Testing Laboratory of the Humboldt County Department of Public Works.

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2 BIDDING

Add to section 2-1.06A:

Plans, Special Provisions (not including documents included by reference) and Proposal Forms may be viewed by prospective Bidders at the Humboldt County Department of Public Works, 1106 Second Street, Eureka, California.

Plans, Special Provisions and Supplemental Project Information may be viewed on the County of Humboldt web site: <http://humboldt.gov.org/Bids.aspx>. Current Revised Standard Specifications are available for review at the Department of Public Works, 1106 Second Street, Eureka, California or on Caltrans web page of the Office Engineer/ Engineering. (<https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications>)

Note that Plans, Special Provisions, and Proposal Forms posted on the County’s web site may be used to submit a bid, however prospective bidders must register as a plan-holder. Failure to register as a plan-holder with the Department of Public Works may result in a nonresponsive bid.

To **register as a plan-holder**, prospective bidder may email a request to the following project contact: Department of Public Works Office Assistant, PWEngineering@co.humboldt.ca.us or (707) 445-7652 or the engineering division (707) 445-7377.

Add to section 2-1.33A:

The following table lists the forms that are included in the Proposal Section of these special provisions:

Table of Forms	
Form	Description
List of Subcontractors	Bidder's List of Subcontractors

Add to section 2-1.34:

The form "Bidder's Bond" can be found following the signature page of the Proposal.

Add to section 2-1.43:

BID OPENING

The County publicly opens and reads bids at the time and place shown on the Notice to Bidders.

Add to section 2-1.50:

BID RIGGING

The U.S. Department of Transportation (DOT) provides a toll-free hotline to report bid rigging activities. Use the hotline to report bid rigging, bidder collusion, and other fraudulent activities. The hotline number is (800) 424-9071. The service is available 24 hours 7 days a week and is confidential and anonymous. The hotline is part of the DOT's effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General.

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3 CONTRACT AWARD AND EXECUTION

Replace the 1st paragraph in section 3-1.04 with:

Bid Protest. Any bid protest must be in writing and must be received by the Department Director at 1106 Second Street, Eureka, CA, 95501 (Fax: (707) 445-7409), before 5:00 p.m. no later than three (3) working days following bid opening (the "Bid Protest Deadline") and must comply with the following requirements:

1. Only a bidder who has actually submitted a Bid Proposal is eligible to submit a bid protest against another bidder. Subcontractors are not eligible to submit bid protests. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
2. The bid protest must contain a complete statement of the basis for the protest and all supporting documentation. Material submitted after the Bid Protest Deadline will not be considered. The protest must refer to the specific portion or portions of the Contract Documents upon which the protest is

based. The protest must include the name, address and telephone number of the person representing the protesting bidder if different from the protesting bidder.

3. A copy of the protest and all supporting documents must also be transmitted by fax or by e-mail, by or before the Bid Protest Deadline, to the protested bidder and any other bidder who has a reasonable prospect of receiving an award depending upon the outcome of the protest.
4. The protested bidder may submit a written response to the protest, provided the response is received by the Department Director before 5:00 p.m., within two (2) working days after the Bid Protest Deadline or after receipt of the bid protest, whichever is sooner (the "Response Deadline"). The response must include all supporting documentation. Material submitted after the Response Deadline will not be considered. The response must include the name, address and telephone number of the person representing the protested bidder if different from the protested bidder.
5. The procedure and time limits set forth in this section are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue a bid protest, including filing a Government Code Claim or initiation of legal proceedings. Any addenda or bulletins issued during the time of bidding, or forming a part of the documents issued to the Bidder for the preparation of his bid, shall be covered in the bid, and shall become a part of the Agreement.

Any addenda or bulletins issued during the time of bidding, or forming a part of the documents issued to the Bidder for the preparation of his bid, shall be covered in the bid, and shall become a part of the Agreement.

No person, firm or corporation shall be allowed to make or file, or be interested in, more than one bid for the same work, unless alternate bids are called for. A person, firm, or corporation who has submitted a subproposal to a Bidder, or who has quoted prices on materials to a Bidder, is not thereby disqualified from submitting a subproposal or quoting prices to other Bidders.

Replace the 2nd paragraph in section 3-1.04 with:

CONTRACT AWARD

If the County awards the contract, the award is made to the lowest responsible and responsive bidder.

Replace section 3-1.05:

The successful Bidder, simultaneously with the execution of the Agreement, will be required to furnish a **Payment Bond** in an amount equal to **one hundred (100%) percent** of the contract price, and a faithful **Performance Bond** in an amount equal to **one hundred (100%)** of the contract price; said Bonds shall be secured from a surety company satisfactory to the Humboldt County Board of Supervisors. The Payment Bond shall comply with Section 3248 of the Civil Code of the State of California. The Payment Bond and the faithful Performance Bond shall each be in a form which is satisfactory to the County Counsel of the County of Humboldt. A copy of an acceptable format is attached to the Agreement forms included in the proposal section of these specifications.

Replace section 3-1.06 with:

CONTRACTOR LICENSE

The Contractor must be properly licensed as a contractor from contract award through Contract acceptance (Public Contract Code § 10164).

Replace section 3-1.07 with:

- I. THIS CONTRACT/AGREEMENT SHALL NOT BE EXECUTED BY COUNTY and the CONTRACTOR is not entitled to any rights, unless certificates of insurance, or other sufficient proof that the following provisions have been complied with, and such certificate(s) are filed with the Clerk of the Humboldt County Board of Supervisors.
- II. Without limiting Contractor's indemnification provided herein, Contractor shall and shall require any of its subcontractors to take out and maintain, throughout the period of this Agreement, the following policies of insurance placed with insurers with a current A.M. Bests rating of no less than A:VII or its equivalent against injury/death to persons or damage to property which may arise from or in connection with the activities hereunder of Contractor, its agents, employees or subcontractors:
 - A. Comprehensive or Commercial General Liability Insurance at least as broad as Insurance Services Office Commercial General Liability coverage (occurrence from CG 0001), in an amount of \$1,000,000 per occurrence. If work involves explosive, underground or collapse risks, XCU must be included. If a general aggregate limit is used, either the general aggregate limit shall apply separately to this project or the general aggregate shall be twice the required occurrence limit. Said policy shall contain, or be endorsed with, the following provisions:
 - (1) The County, its officers, employees and agents, are covered as additional insured for liability arising out of the operations performed by or on behalf of Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the County, its officers, agents, and employees.
 - (2) The policy shall not be canceled or materially reduced in coverage without thirty (30) days prior written notice (10 days for non-payment of the premium) to County by certified mail.
 - (3) The inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverage afforded shall apply as though separate policies had been issued to each insured, but the inclusion of more than one insured shall not operate to increase the limits of the insurer's liability.
 - (4) For claims related to this project, the Contractor's insurance is primary coverage to the County, and any insurance or self-insurance programs maintained by the County are excess to Contractor's insurance and will not be called upon to contribute with it.
 - (5) Any failure to comply with reporting or other provisions of the parties, including breach of warranties, shall not affect coverage provided to County, its officers, employees, and agents.
 - B. Automobile liability insurance with coverage at least as broad as Insurance Services Office form CA 0001 06092, Code 1 (any auto), for vehicles used in the performance of this Agreement with minimum coverage of not less than \$1,000,000 per accident combined single limit (CSL). Such policy shall contain or be endorsed with the provision that coverage shall

not be canceled or materially reduced in coverage without thirty (30) days prior written notice (10 days for non-payment of premium) to County by certified mail.

- C. Workers' Compensation insurance meeting statutory limits of the California Labor Code which policy shall contain or be endorsed to contain a waiver of subrogation against County, its officers, agents, and employees and provide for thirty (30) days prior written notice in the event of cancellation.
- D. Contractor shall furnish County with certificates and original endorsements effecting the required coverage prior to execution of this Agreement by County. The endorsements shall be on forms as approved by the County's Risk Manager or County Counsel. Any deductible or self-insured retention over \$100,000 shall be disclosed to and approved by County. If Contractor does not keep all required policies in full force and effect, County may, in addition to other remedies under this Agreement, take out the necessary insurance, and Contractor agrees to pay the cost of said insurance.

The County may elect to treat a failure to maintain the requisite insurances as a breach of contract/agreement and terminate the contract/agreement as provided herein.

- III. Contractor shall indemnify and hold harmless County and its Board, officers, officials, employees, and volunteers from and against all claims, damages, losses, and expenses including attorney fees arising out of the performance of the work described herein, caused in whole or in part by any negligent act or omission by the contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, except where caused by the active negligence, sole negligence, or willful misconduct of the County.

Replace the 2nd and 3rd paragraph in section 3-1.18 with:

The form of Agreement which the successful Bidder, as Contractor, will be required to execute, is included in the contract documents and should be carefully examined by the bidder. The agreement and bonds will be executed in duplicate. The signed agreements and bonds together with the required insurance certificates are to be returned by the successful bidder within **7 days**, not including Sundays and legal holidays, after the bidder has received the contract for execution.

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4 SCOPE OF WORK

Add to section 4-1.06:

CHANGED CONDITIONS

A. Differing Site Conditions

- 1. During the progress of the work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the contract, are encountered at

the site, the party discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before the site is disturbed and before the affected work is performed.

2. Upon written notification, the engineer will investigate the conditions, and if it is determined that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the contract, an adjustment, excluding anticipated profits, will be made and the contract modified in writing accordingly. The engineer will notify the contractor of the determination whether or not an adjustment of the contract is warranted.
3. No contract adjustment which results in a benefit to the contractor will be allowed unless the contractor has provided the required written notice.
4. No contract adjustment will be allowed under this clause for any effects caused on unchanged work.

B. Suspensions of Work Ordered by the Engineer

1. If the performance of all or any portion of the work is suspended or delayed by the engineer in writing for an unreasonable period of time (not originally anticipated, customary, or inherent to the construction industry) and the contractor believes that additional compensation and/or contract time is due as a result of such suspension or delay, the contractor shall submit to the engineer in writing a request for adjustment within 7 calendar days of receipt of the notice to resume work. The request shall set forth the reasons and support for such adjustment.
2. Upon receipt, the engineer will evaluate the contractor's request. If the engineer agrees that the cost and/or time required for the performance of the contract has increased as a result of such suspension and the suspension was caused by conditions beyond the control of and not the fault of the contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, the engineer will make an adjustment (excluding profit) and modify the contract in writing accordingly. The contractor will be notified of the engineer's determination whether or not an adjustment of the contract is warranted.
3. No contract adjustment will be allowed unless the contractor has submitted the request for adjustment within the time prescribed.
4. No contract adjustment will be allowed under this clause to the extent that performance would have been suspended or delayed by any other cause, or for which an adjustment is provided or excluded under any other term or condition of this contract.

C. Significant Changes in the Character of Work

1. The engineer reserves the right to make, in writing, at any time during the work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the contract nor release the surety, and the contractor agrees to perform the work as altered.
2. If the alterations or changes in quantities significantly change the character of the work under the contract, whether such alterations or changes are in themselves significant changes to the character of the work or by affecting other work cause such other work to become significantly different in character, an adjustment, excluding anticipated profit, will be made to the contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against the contractor in such amount as the engineer may determine to be fair and equitable.

3. If the alterations or changes in quantities do not significantly change the character of the work to be performed under the contract, the altered work will be paid for as provided elsewhere in the contract.
4. The term “significant change” shall be construed to apply only to the following circumstances:
 - When the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or
 - When a major item of work, as defined elsewhere in the contract, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity. Any allowance for an increase in quantity shall apply only to that portion in excess of 125 percent of original contract item quantity, or in case of a decrease below 75 percent, to the actual amount of work performed.

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5 CONTROL OF WORK

Add to section 5-1.13A:

The subcontractors listed on the “Subcontractor List,” shall perform the work and supply the materials for which they are listed, unless the Contractor has received prior written authorization to perform the work with other forces or to obtain the materials from other sources.

The Contractor should notify the Engineer in writing of any changes to its anticipated subcontractor participation. This notice should be provided prior to the commencement of that portion of the work.

Add to section 5-1.36C:

The Contractor's attention is directed to the existence of certain underground facilities that may require special precautions be taken by the Contractor to protect the health, safety and welfare of workmen and of the public. Facilities requiring special precautions include, but are not limited to: conductors of petroleum products, oxygen, chlorine, and toxic or flammable gases; natural gas in pipelines greater than 150 mm (6 inches) in diameter or pipelines operating at pressures greater than 415 kPa (60 psi) gauge; underground electric supply system conductors or cables, with potential to ground of more than 300 volts, either directly buried or in duct or conduit which do not have concentric grounded conductors or other effectively grounded metal shields or sheaths.

Per Govt Code § 4216 et seq., the Contractor shall notify the Engineer and the appropriate regional notification center for operators of subsurface installations at least 3 working days, but not more than 14 calendar days, prior to performing any excavation or other work close to any underground pipeline, conduit, duct, wire or other structure. Regional notification centers include but are not limited to the following:

Notification Center	Telephone Number
Underground Service Alert-Northern California (USA)	1-800-642-2444 1-800-227-2600
Underground Service Alert-Southern California (USA)	1-800-422-4133 1-800-227-2600

COORDINATION WITH HUMBOLDT COMMUNITY SERVICES DISTRICT

Attention is directed to Section 5-1.20 "Coordination with Other Entities", and 5-1.36C "Non-highway Facilities," of the Standard Specifications. The Humboldt Community Services District must be contacted for coordination and notified at a minimum of 14 calendar days in advanced of any scheduled construction work within the project area. The Resident Engineer and the Contractor must schedule construction activities to coordinate with Humboldt Community Service District.

Replace section 5-1.36C(2) with:

5-1.36C(2) Nonhighway Facility Protection

The utilities shown in the following table may interfere with the work and must be exposed or protected in place. Make arrangements with the utility owner (1) to conduct or witness all exposures or (2) to request temporary deactivation of the utility.

Utilities to Be Exposed and/or Protected in Place During Construction

Utility	Location
Five water valves (HCSD)	Southeast & Southwest Corner
One air release valve and water meter (HCSD)	Southwest Corner
One storm sewer manhole (HCSD)	Southwest Corner
Utility Pole (AT&T)	Northwest Corner
Two Transmission Poles (PG&E)	Northeast & Southwest Corner

^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^

6 CONTROL OF MATERIALS

Replace the 4th paragraph in section 6-2.01 with:

QUALITY ASSURANCE

The County uses a Quality Assurance Program (QAP) to ensure a material is produced to comply with the Contract.

The County may examine the records and reports of tests the prime contractor performs if they are available at the job site. Schedule work to allow time for QAP.

^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^

7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

Replace #1 in the 2nd paragraph in section 7-1.02K(2) with:

#1 At the Humboldt County Department of Public Works, 1106 Second Street, Eureka CA 95501.

Add to section 7-1.02K(7):

7-1.02K(7) Labor Code 1725.5

A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

Add to section 7-1.02L(1):

Public Contract Code, Sec. 7106 (Noncollusion)

In conformance with Public Contract Code Section 7106, a Noncollusion Affidavit is included in the Proposal. Signing the Proposal shall also constitute signature of the Noncollusion Affidavit.

Replace section 7-1.02M(3) with:

Material from mining operations furnished for this project shall only come from sites in compliance with the Surface Mining and Reclamation Act of 1975 (SMARA) or sites not subject to SMARA. Contractor shall provide County with documentation establishing compliance with SMARA or exemption from SMARA.

The requirements of this section shall apply to materials furnished for the project, except for acquisition of materials in conformance with the provisions in section 4-1.04, "Use of Materials Found on the Job Site," of the Standard Specifications.

Replace the 16th paragraphs of section 7-1.03 with:

Install signs, lights, flares, barricades and other facilities to direct traffic. Provide flaggers whenever necessary to direct the movement of the public through or around the work. Flagging must comply with section 12-1.

Replace the 7th paragraphs of section 7-1.04 with:

Provide flaggers whenever necessary to ensure that the public is given safe guidance through the work zone. Flagging must comply with section 12-1.

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8 PROSECUTION AND PROGRESS

Replace section 8-1.04B, paragraph 1&2:

BEGINNING OF WORK

The Contractor shall begin work within fifteen calendar days after the contract has been executed by the Board of Supervisors of the County of Humboldt, provided he has received a written "Notice to Proceed" from the Engineer in accordance with Section 4 of the contract Agreement.

Work near the Grant Elementary School at the intersection of Oak Street and F Street shall not begin until June 15, 2023, without prior written approval of the Engineer. At Grant Elementary School traffic control plans shall be submitted to the Engineer for review. Disruption to local school traffic shall be minimized. Work in the immediate area of the school shall be coordinated with school activities including summer sessions and special events held on campus.

Replace section 8-1.05, paragraph 2:

TIME OF COMPLETION

Said work shall be diligently prosecuted to completion before the expiration of:

40 WORKING DAYS

Tabulation of working days shall begin on the fifteenth calendar day after execution of the contract by the Board of Supervisors of the County of Humboldt. If said fifteenth calendar day falls on a Saturday, Sunday, or legal Holiday, then the first working day for beginning tabulation will be the first working day prior to said Saturday, Sunday or Holiday.

Add to section 8-1.05, paragraph 3:

Work adjacent to the Schools shall be completed before the fall school term begins. Any remaining work in the immediate area of the school shall be coordinated with regard to school activities and is subject to Liquidated Damages.

Replace section 8-1.10A, paragraph 1:

The County of Humboldt specifies liquidated damages (Pub Cont Code § 10226). Liquidated damages, if any, accrue starting on the 1st day after the expiration of the working days through the day of Contract acceptance

Neither the Contract, nor any moneys due or to become due under the Contract, may be assigned by the Contractor without the prior consent of the Contractor's surety or sureties, unless such surety or sureties have waived their right to notice of assignment. The performance of the Contract may not be assigned without prior written consent of the County of Humboldt.

Add to section 8-1.10A:

LIQUIDATED DAMAGES

The Contractor shall pay to the County of Humboldt the sum of **\$4,200** per day, for each and every calendar days' delay in finishing the work in excess of the number of working days prescribed above.

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9 PAYMENT

Replace section 9-1.16F with:

PROMPT PAYMENT FROM THE COUNTY TO THE CONTRACTORS

The County shall make any progress payment within 30 days after receipt of an undisputed and properly submitted payment request from a contractor on a construction contract. If the County fails to pay promptly, the County shall pay interest to the contractor, which accrues at the rate of 10 percent per annum on the principal amount of a money judgment remaining unsatisfied. Upon receipt of a payment request, the County shall act in accordance with both of the following:

1. Each payment request shall be reviewed by the County as soon as practicable after receipt for the purpose of determining that it is a proper payment request.
2. Any payment request determined not to be a proper payment request suitable for payment shall be returned to the contractor as soon as practicable, but not later than seven (7) days, after receipt. A request returned pursuant to this paragraph shall be accompanied by a document setting forth in writing the reasons why the payment request is not proper.

Replace section 9-1.17B:

After Contract acceptance by the Board of Supervisors of the County of Humboldt, the Department pays you based on the Engineer-prepared estimate that includes retention, withholds and the balance due after deduction of previous payments.

Replace sections 9-1.17(D) through 9-1.22, with the following:

9-1.17D

FINAL PAYMENT AND CLAIMS

9-1.17D(1)

Sections 9-1.17D through 9-1.22 of the Standard Specifications shall be replaced with the following provisions as required by California Public Contract Code Section 9204 .

9-1.17D(2)

For purposes of this section:

1. "Claim" means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:
 - 1.1 A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.

- 1.2 Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.
- 1.3 Payment of an amount that is disputed by the public entity.
2. “Contractor” means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the California Business and Professions Code who has entered into a direct contract with a public entity for a public works project.
3. “Public entity” means, without limitation, except as provided herein, a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency. However, the term “public entity” shall not include any of the following:
 - 3.1 The Department of Water Resources as to any project under the jurisdiction of that department.
 - 3.2 The Department of Transportation as to any project under the jurisdiction of that department.
 - 3.3 The Department of Parks and Recreation as to any project under the jurisdiction of that department.
 - 3.4 The Department of Correction and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with section 7000) of Title 7 of Part 3 of the California Penal Code.
 - 3.5 The Military Department as to any project under the jurisdiction of that department.
 - 3.6 The Department of General Services as to all other projects.
 - 3.7 The High-Speed Rail Authority.
4. “Public works project” means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.
5. “subcontractor” means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the California Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

9-1.17D(3)(a)

Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

9-1.17D(3)(b)

The claimant shall furnish reasonable documentation to support the claim.

9-1.17D(3)(c)

If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.

9-1.17D(3)(d)

Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.

9-1.17D(4)(a)

If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.

9-1.17D(4)(b)

Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. The public entity and claimant shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

9-1.17D(4)(c)

For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

9-1.17D(4)(d)

Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

Add to section 12-1.01:

Submit a Traffic Control Plan that shows methods for maintaining traffic at all locations within the project limits. Maintaining traffic includes automobiles, bicycles, and pedestrians.

Replace the section 12-1.04 with:

Contractor is responsible for the flagging costs.

Replace the last paragraph of section 12-4.01 with:

Notify the local authorities in writing of your intent to begin work at least 5 days before work is to start. Submit a copy of the notice and send it to the local authorities before commencement of construction. Cooperate with local authorities to handle traffic through the area and make arrangements to keep the working area clear of parked vehicles. The local authorities must consist of:

1. Humboldt County Sheriff Department - (707) 445-7251
2. City of Eureka Police Department – (707) 441-4060
3. Grant Elementary School – (707) 441-2252

Add to the end of section 12-4.02C(3)(a):

If work vehicles or equipment are parked on the shoulder within 6 feet of a traffic lane, close the shoulder area with fluorescent-orange traffic cones or portable delineators. Place the cones or delineators on a taper in advance of the parked vehicles or equipment and along the edge of the traveled way at 25-foot intervals to a point not less than 25 feet past the last vehicle or piece of equipment. Use at least 9 cones or delineators for the taper. Place advance warning signs as specified in section 12-4.02C(8).

Keep a minimum of 1 traffic lane at least 10 feet wide open for traffic, **except the full width of the traveled way must be open when construction operations are not active or an approved traffic control plan is in place.**

Add to the end of the 1st paragraph of section 12-4.02C(7)(a):

except you may use a moving closure during traffic striping and pavement marker placement using a bituminous adhesive. Do not use a moving lane closure when grinding for recessed striping and recessed markers.

Add to the end of section 12-4.02C(7)(a):

After placing components of a stationary traffic control system, you may place the impact attenuator vehicle in advance of the work area or at another authorized location to protect traffic and workers.

Add to the end of section 12-4.02C(7)(b):

Closure spacing is the distance between the last cone of the upstream closure and the temporary sign W20-1 of the downstream closure. The number of lanes open in the upstream closures must be less than or equal to the number of lanes open in the downstream closures.

For a stationary one-way-reversing traffic-control lane closure, you may stop traffic in 1 direction for periods not to exceed 15 minutes. After each stoppage, all accumulated traffic for that direction must pass through the work zone before another stoppage is made.

The maximum length of a single stationary one-way-reversing traffic-control lane closure is 1 mile between flaggers.

Replace section 12-5 with:

12-5 TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE

12-5.01 GENERAL

Section 12-5 includes specifications for closing traffic lanes with stationary lane closures on 2-lane, 2-way highways. The traffic control system for a lane closure must comply with the details in Section 12-5.

Traffic control system does include signage.

12-5.03 CONSTRUCTION

12-5.03A General

During traffic striping and pavement marker placement using bituminous adhesive, control traffic with a stationary or a moving lane closure. During other activities, control traffic with stationary lane closures.

Whenever components of the traffic control system are displaced or cease to operate or function as specified from any cause, immediately repair the components to the original condition or replace the components and restore the components to the original location.

The Contractor shall notify the appropriate regional notification center for operators of subsurface installations at least 2 business days, but not more than 14 days, prior to commencing excavation for construction area sign posts. The regional notification centers include, but are not limited to, the following:

Notification Center	Telephone Number
Underground Service Alert	811 1-800-227-2600

12-5.03B Stationary Lane Closures

For a stationary lane closure made only for the work period, remove the components of the traffic control system from the traveled way, pedestrian pathway and shoulder, except for portable delineators placed along open trenches or excavation adjacent to the traveled way at the end of each work period. You may store the components at selected central locations designated by the Engineer within the limits of the highway.

Flagging shall conform to the provisions in Section 12-1, "General," of the Standard Specifications, except that the provision in Section 12-1.04, "Payment," providing for flagging costs to be borne equally by the State and the Contractor will not apply. All flagging costs will be borne totally by the Contractor. If it is determined by the Engineer that the amount of flagging is insufficient for the traffic conditions, all work involving public traffic shall be halted until the Contractor provides the necessary flagging.

12-5.04 PAYMENT

The contract lump sum price paid for Traffic Control System includes full compensation for furnishing all labor (including all flagging costs), materials, tools, equipment and incidentals, and for doing all the work involved in placing, removing, storing, maintaining, moving to new locations, replacing, and

disposing of the components of the traffic control system, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

The adjustment provisions in Section 4-1.05, "Changes and Extra Work," of the Standard Specifications, shall not apply to the item of traffic control system. Adjustments in compensation for Traffic Control System will be made only for increased or decreased traffic control system required by changes ordered by the Engineer and will be made on the basis of the cost of the increased or decreased traffic control necessary. Such adjustment will be made on a force account basis as provided in Section 9-1.04, "Force Account," of the Standard Specifications for increased work, and estimated on the same basis in the case of decreased work.

Traffic control system required by work classified as extra work, as provided in Section 4-1.05 of the Standard Specifications, will be paid for as Extra Work.

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13 WATER POLLUTION CONTROL

Insert into section 13-1.01:

Preliminary calculations by the Engineer indicate that the project's disturbed soil area is 0.18 acres including stockpile and/or Contractor's staging area.

Manage work activities in a way that reduces the discharge of pollutants to surface waters, groundwater and separate municipal storm sewer systems.

Add between the 4th and 5th paragraphs of section 13-2.01C(2)a:

The following RWQCBs will review the authorized WPCP:

- 1. North Coast RWQCB Region 1.

Replace the 4th paragraph of section 13-6.04 with:

The cost for maintaining sediment control measures, including temporary drainage inlet protection, is paid for under Water Pollution Control Program.

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15 EXISTING FACILITIES

Add to section 15-1.01:

The Contractor shall physically reference out the existing utility facility to be adjusted both in the field on the ground, and on a paper sketch. The Contractor shall use a plastic or rubber location spike specifically

manufactured to locate buried facilities after paving, if needed. Each facility shall be adjusted to be flush with the new asphalt, or concrete, overlay grade, or as shown on the plans. Any utility/facility, or surrounding roadway feature in the vicinity, damaged by contractor operations during construction shall be replaced at the Contractor's expense and no additional compensation will be allowed therefor.

Extreme caution shall be exercised by the Contractor when working on or near existing survey monuments (Survey Monuments must not be disturbed). If the Contractor does disturb a survey monument during construction, Contractor shall notify the Engineer immediately, and shall pay all costs associated with resetting the monument to its correct location (to the review and approval of the County Surveyor). Under no circumstances shall personnel other than the County of Humboldt survey crew modify existing monuments.

The bid items for *Adjust Water Valve To Grade, Adjust Water Meter to Grade, Adjust Air Release Valve to Grade, and Adjust Storm Sewer Manhole to Grade* shall comply with Section 71 and shall include excavation and backfill, removal of hot mix asphalt or concrete and pipe/frame (if necessary), installation of rebar dowels, minor structure concrete, replacement of lids/covers as determined by the Engineer, and all work necessary to modify the existing structures to conform to finished grade as shown on the plans.

COORDINATION WITH LANDOWNER-NEW/DAMAGED/REPLACED PROPERTY ITEMS

Attention is directed to this section, (15) "Existing Utilities", regarding any potential issues that could occur during construction within the property limits or boundary of private land items. This includes, but is not limited to, any existing perimeter fences/walls or gates, surface landscaping materials, trees, shrubs, irrigation lines/sprinkler systems. The Contractor shall be responsible to replace any and/or all of these landowner-type items, whether it be for replacement, damage, or removal, in kind during construction. Any of these landowner-type potential issues that become required to do, based on a conflict with proposed construction or the project plans, will be considered as Extra Work as long as the damage caused was not due to negligence by the Contractor.

Add to section 15-1.03:

Existing roadside signs, posts, and hardware to be salvaged shall be delivered to the County Sign Shop at 75 Hookton Cemetery Road; Loleta, California.

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DIVISION III EARTHWORK AND LANDSCAPE

19 EARTHWORK

Add to section 19-1.01A:

Earthwork activities include developing a water supply and finishing the roadway, curb ramps, and sidewalk. Contractor shall comply with Sections 10-6, and 22.

Replace paragraphs 3 and 4 of Section 19-2.03B with:

Surplus excavated material shall become the property of the Contractor and shall be disposed of outside the County right of way in accordance with the provisions in Section 5-1.20B(4) of the Standard Specifications.

Add to Section 19-2.04:

Roadway Excavation will be required for portions of the street structural section (which includes the removal of aggregate base and Asphalt Concrete), and curb ramp/sidewalk construction will all be considered as part of the item being constructed and no separate payment will be made therefor.

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DIVISION IV SUBBASES AND BASES

26 AGGREGATE BASES

Add to section 26-1.02B:

The aggregate shall have at least 50% crushed particles with at least one fractured face.

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DIVISION V SURFACINGS AND PAVEMENTS

39 ASPHALT CONCRETE

Replace Reserved in section 39-2.02B(3) with:

The grade of asphalt binder for Type A HMA must be PG 64-16.

The aggregate gradation for Type A HMA must be 1/2 inch.

For Type A HMA using RAP substitution of greater than 15 percent of the aggregate blend, the virgin binder grade must comply with the PG binder grade specified above with 6 degrees C reduction in the upper and lower temperature classification.

For Type A HMA using RAP substitution of 15 percent or less of the aggregate blend, the grade of the virgin binder must comply with the PG binder grade specified above.

Add to the beginning of section 39-2.02C:

Use a material transfer vehicle when placing Type A HMA if:

1. Quantity of HMA to be paved is greater than 1,000 tons.
2. Any of the following exists:
 - 2.1. Paving is allowed and the ambient air temperature is below 70 degrees F.
 - 2.2. Time from discharge to truck at the HMA plant until transfer to the paver's hopper is 90 minutes or greater.

Replace Table in Section 39-2.02B(2) with:

Type A HMA Mix Design Requirements

Quality characteristic	Test method	Requirement
Air voids content (%)	AASHTO T 269 ^a	$N_{\text{initial}} > 8.0$ $N_{\text{design}} = 4.0 (\pm 2.0\%)$ ($N_{\text{design}} = 5.0$ for 1-inch aggregate) $N_{\text{max}} > 2.0$
Gyrations compaction (no. of gyrations)	AASHTO T 312	$N_{\text{initial}} = 8$ $N_{\text{design}} = 85.0$ $N_{\text{max}} = 130$
Voids in mineral aggregate (min, %) ^b Gradation: No. 4 3/8-inch 1/2-inch 3/4-inch 1-inch with NMA = 1-inch with NMA = 3/4-inch	MS-2 Asphalt Mixture Volumetrics	16.5–19.5 15.5–18.5 14.5–17.5 13.5–16.5 13.5–16.5 14.5–17.5
Dust proportion	MS-2 Asphalt Mixture Volumetrics	0.6–1.3
Hamburg wheel track (min number of passes at 0.55-inch rut depth) Binder grade: PG 58 PG 64 PG 70 PG 76 or higher	AASHTO T 324 (Modified) ^c	10,000 15,000 20,000 25,000

^aCalculate the air voids content of each specimen using AASHTO T 275, Method A, to determine bulk specific gravity. Use AASHTO T 209, Method A, to determine theoretical maximum specific gravity. Use a digital manometer and pycnometer when performing AASHTO T 209.

^bMeasure bulk specific gravity using AASHTO T 275, Method A.

^cTest plant-produced Type A HMA.

Material	Manufacturer
SlurryPro CDP	KB INTERNATIONAL LLC 735 BOARD ST STE 209 CHATTANOOGA TN 37402 (423) 266-6964
Super Mud	PDS CO INC 105 W SHARP ST EL DORADO AR 71731 (870) 863-5707
Shore Pac	CETCO 2870 FORBS AVE HOFFMAN ESTATES IL 60192 (800) 527-9948
Terragel or Novagel Polymer	GEO-TECH SERVICES LLC 220 N. ZAPATA HWY STE 11A-449A LAREDO TX 78043 (210) 259-6386
BIG FOOT	MATRIX CONSTRUCTION PRODUCTS 50 S MAIN ST STE 200 NAPERVILLE IL 60540 (877) 591-3137
POLY-BORE	BAROID INDUSTRIAL DRILLING PRODUCTS 3000 N SAM HOUSTON PKWY EAST HOUSTON TX 77032 (877) 379-7412

Use synthetic slurries in compliance with the manufacturer's instructions. Synthetic slurries shown in the above table may not be appropriate for a given job site.

Synthetic slurries must comply with the Department's requirements for synthetic slurries to be included in the above table. The requirements are available from:

Offices of Structure Design
P.O. Box 168041
MS# 9-4/11G
Sacramento, CA 95816-8041

SlurryPro CDP synthetic slurry must comply with the requirements shown in the following table:

SlurryPro CDP

Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	$\leq 67.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	50–120
Before final cleaning and immediately before placing concrete (sec/qt)		≤ 70
pH	Glass electrode pH meter or pH paper	6.0–11.5
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

Super Mud synthetic slurry must comply with the requirements shown in the following table:

Super Mud

Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	$\leq 64.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	32–60
Before final cleaning and immediately before placing concrete (sec/qt)		≤ 60
pH	Glass electrode pH meter or pH paper	8.0–10.0
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

Shore Pac synthetic slurry must comply with the requirements shown in the following table:

Shore Pac

Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	$\leq 64.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	33–132
Before final cleaning and immediately before placing concrete (sec/qt)		≤ 118
pH	Glass electrode pH meter or pH paper	8.0–11.0
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

Terragel or Novagel Polymer synthetic slurry must comply with the requirements shown in the following table:

Terragel or Novagel Polymer

Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	$\leq 67.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	45–104
Before final cleaning and immediately before placing concrete (sec/qt)		≤ 104
pH	Glass electrode pH meter or pH paper	6.0–11.5
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

BIG-FOOT synthetic slurry must comply with the requirements shown in the following table:

BIG-FOOT

Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	≤ 64.0 ^a
Before final cleaning and immediately before placing concrete (pcf)		≤ 64.0 ^a
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	30–125
Before final cleaning and immediately before placing concrete (sec/qt)		55-114
pH	Glass electrode pH meter or pH paper	8.5–10.5
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

POLY-BORE synthetic slurry must comply with the requirements shown in the following table:

POLY-BORE

Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	62.8-65.8 ^a
Before final cleaning and immediately before placing concrete (pcf)		62.8-64.0 ^a
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	50–80
Before final cleaning and immediately before placing concrete (sec/qt)		50-80
pH	Glass electrode pH meter or pH paper	7.0–10.0
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Add to section 56-3.01C(1):

The sign mounting hardware must be installed at the locations shown.
Set the Type 1 standards with the handhole on the downstream side of the pole in relation to traffic or as shown.

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

DIVISION VIII MISCELLANEOUS CONSTRUCTION

70 MISCELLANEOUS DRAINAGE FACILITIES

Add to the list in section 70-5.01A:

- 4. Steel Channel

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73 CONCRETE CURBS AND SIDEWALKS

Add to Section 73-1.01, General:

The bid item *Minor Concrete - Curb and Gutter* includes all standard curb and gutter adjacent to sidewalk, that fall outside of the proposed curb ramp area limits (from top of ramp section of curb ramp), including along the sidewalk transition area. The bid item for *Minor Concrete - Curb Ramp* includes all portions of truncated domes, retaining curb, curb and gutter, and sidewalk (landing and ramp areas) within the limits of each of the individual curb ramp areas. The bid item *Minor Concrete - Sidewalk* includes all portions of sidewalk, from back of curb to back of walk (or County right-of-way), that fall outside of the proposed curb ramp limits. The bid item *Minor Concrete – Valley Gutter* includes all portions of existing valley gutter to be reconstructed.

For stamped concrete color, the standard color shall be Davis Style Tile Red #1117, or Scofield Systems, Chromix C-32 Quarry Red, or as approved equal. Apply 60 pounds per 80 square feet in two hand broadcast applications. Contractor may elect to incorporate approved color into concrete mix at 30 pounds of color (integrated into the mix), per cubic yard.

Replace Section 73-3.04, Payment with:

The payment quantity for minor concrete (curb ramp) includes detectable warning surface. Aggregate base placed under minor concrete will be measured separately for payment.

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

77 LOCAL INFRASTRUCTURE

Add to Section 77:

77-4 EMERGENCY VEHICLE DETECTION SYSTEM

The Contractor shall furnish and install a fully functional Emergency Vehicle Preemption system fully compatible with the existing Humboldt Bay Fire 3M Infrared Opticom System. The EVP material supplier must ensure 100% compatibility and interchangeability between their product software and Opticom EVP equipment (711, 721, 722 detector units; 752, 754, 764 phase selectors; 792H emitters; and 3M 138 cable) as is currently operational within the Humboldt Bay Fire District. System shall be capable of both optical and GPS detection.

77-4.01 Payment

Payment shall be included in the lump sum item paid for the traffic signal system.

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

DIVISION IX TRAFFIC CONTROL DEVICES

84 MARKINGS

Add to Section 84-2.04:

Removal of existing striping, markings, and markers are included in the bid item "Remove Existing Roadway Striping and Pavement Markings" and conform to section 84-9. Contractor shall replace removed Thermoplastic Pavement Markings as shown on the project plans and as directed by the Engineer.

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DIVISION X ELECTRICAL WORK

86 GENERAL

Replace the 2nd paragraph of section 86-1.02F(2)(c)(ii) with:

An equipment grounding conductor must be bare.

Add to the list in the 2nd paragraph of section 86-1.02R(4)(a):

- 4. Be made of metal

Replace section 86-1.02Q(2)(b) with:

86-1.02Q(2)(b) CONTROLLER ASSEMBLIES

The [Model 2070C](#) controller assembly, including a [Model 2070C](#) controller unit with [McCain 2033 Intersection Control Software](#), a [Model 332LS](#) cabinet, and all wiring and equipment to provide the operation as shown on the plans, shall be furnished and installed by the Contractor. All components shall be listed in the Caltrans Qualified Product List and shall comply with TEES. The controller cabinet shall conform to the provisions of Section 87-1.03Q of the Standard Specifications.

The controller unit shall be bench tested for 7 days (minimum) until 7 contiguous days of satisfactory operation are achieved. Bench testing shall be completed with the same chip and software that will be delivered to the site. A letter from the controller unit manufacturer or company performing the bench testing certifying successful completion of bench testing shall be shipped to the intersection with the controller unit.

After successful bench testing, deliver the controller assembly to the City of Eureka traffic signal shop at 1120 F Street, Eureka, CA 95501 for installation of traffic signal timing. Allow up to seven working days for installation. Pick up the controller assembly after completion of testing and deliver it to the project site.

Provide 1 each spare [Model 2070C](#) controller unit. In addition to the extra load switches and detector sensor units noted on the plans, provide 2 each spare load switches and 2 each spare detector sensor units. Payment for spare parts shall be included in the lump sum item paid for the traffic signal installation.

Replace the 1st paragraph of section 86-1.02Q(4) with:

A battery backup system includes the cabinet, batteries, and the electronics assembly.

Replace section 86-1.02T with:

86-1.02T ACCESSIBLE PEDESTRIAN SIGNAL

86-1.02T(a) General

Accessible pedestrian signal must comply with the *California MUTCD*, chapter 4E, and have:

1. Audible speech message that plays when the push button is actuated. The accessible pedestrian signal must have at least 5 audible message options.
2. Push button locator tone that clicks or beeps.
3. Feature that activates the pedestrian phase during any failure without causing the pedestrian phase to be on RECALL.

An accessible pedestrian signal must function with the [furnished](#) controller assembly.

No part of the accessible pedestrian signal must be installed inside the controller cabinet.

Power for the accessible pedestrian signal must be from the pedestrian signal housing terminal block.

The housing for the signal assembly must be made of corrosion-resistant material. Theft-proof bolts used for mounting the housing to the standard must be stainless steel with a content of 17 percent chromium and 8 percent nickel. The housing must be shaped to fit the pole's curvature.

The color of a metallic housing must match color no. 33538 of FED-STD-595.

The color of a plastic housing must match color no. 17038, 27038, or 37038 of FED-STD-595.

Accessible pedestrian signal must:

1. Have electronic switches, a potentiometer, or an access port for a device for controlling and programming the volume level and messaging
2. Be weatherproof and shockproof
3. [Include touch-free technology](#)
4. [Include push button sign with Braille on the faceplate](#)

Enclosure for the accessible pedestrian signal must:

1. Weigh less than 7 lb
2. Measure less than 16 by 6 by 5 inches
3. Have a wiring hole with a diameter not exceeding 1-1/8 inches
5. Have a switch for a push button
6. Have a vibrotactile device on the push button or on the arrow
7. Have an internal weatherproof speaker and microphone that senses the ambient sound level

The separation between adjacent holes used for conductors and mounting must be at least twice the diameter of the larger hole.

The speaker grills must be located on the surface of the enclosure. The speakers must not interfere with the housing or its mounting hardware.

The cable between the accessible pedestrian signal assembly and the pedestrian signal head must have a:

1. Minimum four no. 18 stranded or larger tinned copper conductors with a minimum insulation thickness of 15 mils
2. Cable jacket with a minimum thickness of 20 mils and rated for a minimum:
 - 2.1. 300 V(ac)
 - 2.2. 80 degrees C
3. Nominal outside diameter less than 350 mils
4. Conductor color code of black, white, red and green

[Touch-free technology must:](#)

1. [Activate a pedestrian phase when a pedestrian hand motion is detected during a set time interval](#)
2. [Have user adjustable detection area and time interval parameters](#)
3. [Detect the pedestrian hand motion up to a 6-inch range from the face of the sensor within a minimum + 45-degree cone zone from the center of the sensor](#)

Replace section 86-1.02U with:

86-1.02U PUSH BUTTON ASSEMBLIES

The housing for a push button assembly must be made of die-cast aluminum, permanent mold-cast aluminum, or UV-stabilized self-extinguishing structural plastic. The plastic housing must have a color throughout that matches color no. 17038, 27038, or 37038 of FED-STD-595.

If the push button is to be attached to a pole, the housing must be shaped to fit the pole's curvature.

The assembly must be waterproof and shockproof.

The push button's switch must be a single-pole, double-throw switching unit with screw-type terminals rated 15 A at 125 V(ac).

Switch for the push button must have:

1. Plunger actuator and a U frame to allow recessed mounting in the push button housing
2. Operating force of 3.5 lb

- 3. Maximum pretravel of 5/64 inch
- 4. Minimum overtravel of 1/32 inch
- 5. Differential travel from 0.002 to 0.04 inch
- 6. Minimum 2-inch diameter actuator
- 7. [Include touchless activation capability](#)

The assembly shall be installed as shown on Standard Plans ES-7A and ES-5C.

Install the push button and the sign on the crosswalk side of the pole.

[The push button sign shall include Braille on the faceplate.](#)

Pedestrian Push buttons shall also comply with the following provisions of the 2016 California Access Compliance Advisory Reference Manual. **11B-703.7.2.7**, as follows:

11B-703.7.2.7 Pedestrian traffic-control buttons. Pole-supported pedestrian traffic-control buttons shall be identified with color coding consisting of a textured horizontal yellow band 2 inches (51 mm) in width encircling the pole, and a 1-inch-wide (25 mm) dark border band above and below this yellow band. Color coding shall be placed immediately above the control button. Control buttons shall be located no higher than 48 inches (1219 mm) above the ground surface adjacent to the pole.

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87 GENERAL

Add between the 6th and 7th paragraph of section 87-1.03B(3)(a):

You may use the trench-in-pavement method to install conduit under existing pavement:

- 1. For temporary conduit
- 2. If the delay to vehicles will be less than 5 minutes.

Install conduit to a depth of 14 inches for the trench-in-pavement method. Do not use the trench-in-pavement method for conduit installation under freeway lanes, freeway connectors or freeway ramps.

Conduit shown under a sidewalk may be installed in the street within 3 feet of and parallel to the face of the curb. Install pull boxes behind the curb.

Replace the 3rd paragraph of section 87-1.03C(2)(a) with:

Install a pull box on a bed of crushed rock.

Replace the 1st paragraph of section 87-1.03F(2)(c)(ii) with:

Install a [Type B](#) loop detector lead-in cable in conduit.

Replace the 1st paragraph of section 87-1.03F(3)(c)(ii) with:

Use a [Type 2](#) loop wire. Use only Type 2 loop wire for Type E and F loop detectors.

Delete the 3rd paragraph of section 87-1.03G.

Replace the 2nd paragraph of section 87-1.03H(2) with:

Use [Method B](#) to insulate a splice.

Add to the end section 87-1.03T:

A manufacturer's representative must program the accessible pedestrian signals at the following intersection:

1. Intersection of [Oak Street](#) and [F Street](#)

Add between the 9th and 10th paragraphs of section 87-1.03V(2):

Use [elastomeric sealant or hot-melt rubberized asphalt sealant](#) to fill slots.

Delete section 87-1.03Q(2):

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

PROPOSAL
TO
THE COUNTY OF HUMBOLDT
FOR

OAK St AND F St TRAFFIC SIGNAL PROJECT
CONTRACT NO.: 321621

Name of Bidder: _____
(Name must be exactly as it appears [or will appear] on Contractor's license)

Business Address:

Telephone No.: _____

Place of Residence: _____

The work for which this proposal is submitted is for construction in accordance with the special provisions (including the payment of not less than the State general prevailing wage rates or Federal minimum wage rates), the project plans described above, including any addenda thereto, the contract annexed hereto and also in accordance with the California Department of Transportation Standard Plans dated 2022, the Standard Specifications dated 2022, and the Labor Surcharge and Equipment Rental Rates in effect at the time the work is performed.

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all items.

The bidder shall set forth for each unit basis item of work a unit price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for that purpose. In the case of unit basis items, the amount set forth under the "Item Total" column shall be the product of the unit price bid and the estimated quantity for the item.

In case of discrepancy between the unit price and the total set forth for a unit basis item, the unit price shall prevail, except as provided in (a) or (b), as follows:

- (a) If the amount set forth as a unit price is unreadable or otherwise unclear, or is omitted, or is the same as the amount as the entry in the item total column, then the amount set forth in the item total column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price;
- (b) (Decimal Errors) If the product of the entered unit price and the estimated quantity is exactly off by a factor of ten, one hundred, etc., or one-tenth, or one-hundredth, etc. from the entered total, the discrepancy will be resolved by using the entered unit price or item total, whichever most closely approximates percentagewise the unit price or item total in the County of Humboldt's Final Estimate of cost.

If both the unit price and the item total are unreadable or otherwise unclear, or are omitted, the bid may be deemed irregular. Likewise if the item total for a lump sum item is unreadable or otherwise unclear, or is omitted, the bid may be deemed irregular unless the project being bid has only a single item and a clear, readable total bid is provided.

Symbols such as commas and dollar signs will be ignored and have no mathematical significance in establishing any unit price or item total or lump sums. Written unit prices, item totals and lump sums will be interpreted according to the number of digits and, if applicable, decimal placement. Cents symbols also have no significance in establishing any unit price or item total since all figures are assumed to be expressed in dollars and/or decimal fractions of a dollar. Bids on lump sum items shall be item totals only; if any unit price for a lump sum item is included in a bid and it differs from the item total, the items total shall prevail.

The foregoing provisions for the resolution of specific irregularities cannot be so comprehensive as to cover every omission, inconsistency, error or other irregularity which may occur in a bid. Any situation not specifically provided for will be determined in the discretion of the County of Humboldt, and that discretion will be exercised in the manner deemed by the County of Humboldt to best protect the public interest in the prompt and economical completion of the work. The decision of the County of Humboldt respecting the amount of a bid, or the existence or treatment of an irregularity in a bid, shall be final.

All bid proposals and materials submitted in response to this Notice to Bidders shall become the County of Humboldt's property and are subject to disclosure under the Public Records Act, California Government Code Sections 6250, et seq. All bid proposals submitted in response hereto, are considered public information, except for specifically identified trade secrets, which will be handled according to any and all applicable local, state and federal laws and regulations. Any portion of a bid proposal that is deemed to be a trade secret by the bidder shall be clearly marked "PROPRIETARY INFORMATION" at the top of the page in at least one-half inch (1/2") letters. Specifically identified proprietary information will not be released, if the bidder agrees to indemnify and defend the County of Humboldt in any action brought to disclose such information. By submitting a bid proposal in response to this Notice to Bidders, the bidder agrees that the County of Humboldt's failure to contact the bidder prior to the release of any proprietary information contained therein will not be a basis for liability by the County of Humboldt or any employee thereof. Items considered public information will be available for review after the bid opening.

If this proposal shall be accepted and the undersigned shall fail to enter into the contract and furnish the 2 bonds in the sums required by the State Contract Act, with surety satisfactory to the County of Humboldt, within 8 days, not including Saturdays, Sundays and legal holidays, after the bidder has received notice from the County of Humboldt that the contract has been awarded, the County of Humboldt may, at its option, determine that the bidder has abandoned the contract, and thereupon this proposal and the acceptance thereof shall be null and void and the forfeiture of the security accompanying this proposal shall operate and the same shall be the property of the County of Humboldt.

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm, or corporation; that he has carefully examined the location of the proposed work, the annexed proposed form of contract, and the plans therein referred to; and he proposes, and agrees if this proposal is accepted, that he will contract with the County of Humboldt, in the form of the copy of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work

and furnish all the materials specified in the contract, in the manner and time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that he will take in full payment therefor the following prices, to wit:

BID FORM (EXHIBIT A)
OAK St AND F St TRAFFIC SIGNAL PROJECT
CONTRACT NO.: 321621

BASE BID:

ITEM NO.	CALTRANS ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
1	120100	Traffic Control System	LS	1		
2	130200	Water Pollution Control Program	LS	1		
3	130100	Job Site Management	LS	1		
4	190101	Roadway Excavation	CY	335		
5	260203	Class 2 Aggregate Base	CY	237		
6	390132	Hot Mix Asphalt, Type A	TON	271		
7	398200	Cold Plane Asphalt Concrete Pavement (3" Depth)	SF	3,930		
8	731850	Remove Minor Concrete (Curb, Gutter, Curb Ramp, Sidewalk, & Valley Gutter)	SF	2,260		
9	680283	3" Plastic Pipe Underdrain	LF	14		
10	710208	Adjust Water Meter to Grade	EA	1		
11	710208	Adjust Water Valve to Grade	EA	5		
12	710208	Adjust Air Release Valve to Grade	EA	1		
13	710208	Adjust Storm Sewer Manhole to Grade	EA	1		
14	703233A	Install 16"x5" Rectangular Underdrain	LF	50		
15	731504	Minor Concrete - Curb and Gutter	LF	207		
16	730010	Minor Concrete - Curb	LF	34		
17	731502	Minor Concrete – Valley Gutter	SF	68		
18	731521	Minor Concrete - Sidewalk	SF	1,175		
19	731623	Minor Concrete – Curb Ramp	CY	21		
20	731519	Minor Concrete – Stamped Concrete	SF	69		
21	810230	Pavement Marker (Retroreflective) (Type D and Type G)	EA	22		
22	820460	Remove Roadside Sign (Metal Post)	EA	7		
23	840501	Thermoplastic Pavement Stripe, Type 22	LF	200		
24	840501	Thermoplastic Pavement Stripe, Type 27B	LF	370		
25	840501	Thermoplastic Pavement Stripe, Type 29	LF	235		
26	840501	Thermoplastic Pavement Stripe, Type 38	LF	70		
27	840515	Thermoplastic Pavement Markings	SF	430		
28	780433	Red Curb Paint	LF	190		
29	846033	Remove Thermoplastic Traffic Stripe and Pavement Marking	LS	1		
30	770010	Traffic Signal System – F St & Oak St	LS	1		
31	770010	Electrical Service Connect	EA	1		
32	999990	Mobilization	LS	1		
Base Bid Total =						

NOTE: ITEM CODE LETTER DESIGNATION; P=ITEM ELIGIBLE FOR PARTIAL PAY, F= FINAL PAY QUANTITY

ACKNOWLEDGEMENT OF ADDENDA

ADDENDUM NO.

INITIAL

(Bidder's Signature)

(Title)

PROPOSAL SIGNATURE PAGE

Accompanying this proposal is _____

(NOTICE: INSERT THE WORDS "CASH (\$___)", "CASHIER'S CHECK", "CERTIFIED CHECK", OR "BIDDERS'S BOND", AS THE CASE MAY BE.)

in the amount of at least **TEN PERCENT (10%)** of the total bid.

The names of all persons interested in the foregoing proposal as Principals are as follows:

(NOTE: If a Bidder or other interested person is a Corporation, state the legal name of the corporation, also names of the president, secretary, treasurer, and manager thereof; if a Co-partnership, state the true name of the firm, also state the names of all individual copartners composing the firm; if the Bidder or other interested person is an Individual, state the first and last names in full.)

Licensed in accordance with an act providing for the registration of Contractors,

LICENSE NO. _____ **Classification(s)** _____

Note: It is optional to provide your contractors license number at this time. You are not required to provide your contractors license number until the time that the contract is to be awarded.

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232 and 10285.1 are true and correct and that the bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5, Title 2 of the California Administrative Code). By my signature on this proposal I further certify, under penalty of perjury under the laws of the State of California and the United States of America, that the Noncollusion Affidavit required by Title 23 United States Code, Section 112 and Public Contract Code Section 7106; and the Title 49 Code of Federal Regulations, Part 29 Debarment and Suspension Certification are true and correct.

Date: _____



Signature and Title of Bidder

Bidder's Business Address _____

Place of Residence _____

BIDDER'S BOND

COUNTY OF HUMBOLDT, DEPARTMENT OF PUBLIC WORKS

**OAK St AND F St TRAFFIC SIGNAL PROJECT
CONTRACT NO.: 321621**

for which bids are to be opened on **TUESDAY, MAY 2, 2023**, at 2:00 PM, at the Department of Public Works, 1106 Second Street, Eureka 95501, California.

Know all men by these presents: That we _____,

_____, as
PRINCIPAL, and _____,

as **SURETY**, are held and firmly bound unto the County of Humboldt in the penal sum of **TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID** of the PRINCIPAL named above, submitted by said PRINCIPAL to the County of Humboldt for the work described above, for the payment of which sum is lawful money of the United States, well and truly to be made, to the Director of the Department to which said bid was submitted, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents. In no case shall the liability of the SURETY hereunder exceed the sum of:

\$ _____

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the PRINCIPAL has submitted the above mentioned bid to the County of Humboldt, as aforesaid, for the construction as specifically described above,

NOW, THEREFORE, if the aforesaid PRINCIPAL is awarded the contract, and within the time and manner required under the Specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the Department, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void; otherwise, it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this

_____ day of _____, 20____.

_____ (seal)

_____ (seal)

PRINCIPAL

_____ (seal)

_____ (seal)

SURETY

Address: _____

Note: Signatures of those executing for SURETY must be properly acknowledged.

CONTRACTOR'S CERTIFICATE REGARDING WORKER'S COMPENSATION

Labor Code Section 3700.

"Every employer except the State and all political subdivisions or institutions thereof, shall secure the payment of compensation in one or more of the foregoing ways:

- A. By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.
- B. By securing from the Director of Industrial Relations a certificate of consent of self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees."

I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and that I will comply with such provisions before commencing the performance of the work of this contract.



(In accordance with Article 5 [commencing at Section 1860], Chapter 1 , Part 7 , Division 2 , of the Labor Code, the above certificate must be signed and filed with the awarding body prior to commencing any work under this contract.)

PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has ____, has not ____ been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

YES NO

If the answer is yes, explain the circumstances in the following space.

PUBLIC CONTRACT CODE SECTION 10232 STATEMENT

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

DEBARMENT AND SUSPENSION CERTIFICATION

TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgement rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions. The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL)

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder _____, proposed subcontractor _____, hereby certifies that he has _____, has not _____, participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

NONCOLLUSION AFFIDAVIT
(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)

To the COUNTY OF HUMBOLDT, DEPARTMENT OF PUBLIC WORKS:

In conformance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Note: The above Noncollusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Noncollusion Affidavit.
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

LIST OF SUBCONTRACTORS
OAK St AND F St TRAFFIC SIGNAL PROJECT
CONTRACT NO.: 321621

The Bidder shall list the name and address; Contractor license number; Public Works Contractor registration number; and description of portion of work subcontracted to each subcontractor to whom the Bidder proposes to subcontract portions of the work, as required by the provisions of the Section 2-1.10 of the Standard Specifications and the Special Provisions. **Photocopy this form for additional firms.**

Business Name and Location	California Contractor License Number	Description of Portion of Work	Bid Items Numbers	Percentage of Bid Item Subcontracted
	PWC Reg. Number			

(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL)

AGREEMENT

This is an AGREEMENT made and entered into this _____ day
of _____, 20_____, by and between the County of Humboldt, a
political subdivision of the State of California (hereinafter referred to as COUNTY)
and _____,
a corporation organized and existing under the laws of the State of _____;
a partnership consisting of _____
_____;
an individual doing business as _____
_____ in the State of California,
hereinafter referred to as "CONTRACTOR".

Section 1 - SCOPE OF WORK

Contractor shall furnish all Labor, Tools and Materials and perform all the work for the:

OAK St AND F St TRAFFIC SIGNAL PROJECT CONTRACT NO.: 321621

in accordance with the contract documents referred to in Section 3 of this Agreement.

Section 2 - CONTRACT PRICE

County shall pay, and Contractor shall accept Contractor's Bid Prices, as shown on EXHIBIT "A" attached hereto and made a part hereof, as full compensation for furnishing all materials and for doing all the work contemplated and embraced in this Agreement; also for all loss or damage, arising out of the work aforesaid, or from the actions of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work until its acceptance by County, and for all risks of every description connected with the work; also for all expenses incurred by or in consequence of the suspension or discontinuance of the work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the Plans and Specifications, and the requirements of the Engineer.

Section 3 - CONTRACT DOCUMENTS

The complete contract between the parties hereto shall consist of the following, hereinafter referred to as the CONTRACT DOCUMENTS:

- Notice to Bidders
- Plans and Drawings
- Bid Form
- Bidder's Bond
- Supplemental Project Information
- Performance Bond
- Payment Bond
- This Agreement
- Special Provisions

And, as published by the Department of Transportation, State of California, except as modified by the Special Provisions:

- Standard Plans - dated 2022
- Standard Specifications - dated 2022
- Equipment Rental Rates in effect at the time the work is performed

And, as published by the California Department of Industrial Relations, and the California Business, Transportation and Housing Agency:

- General Prevailing Wage Rates
- Labor and Surcharge Rates

And any addenda to any of the above documents, all of which are on file in the office of the Director of Public Works of the County of Humboldt. Each of said CONTRACT DOCUMENTS is incorporated and made a part of this Agreement by the reference contained in this Section.

All rights and obligations of the County and the Contractor are fully set forth and described in the Contract Documents. All of the above named documents are intended to be complimentary, so that any work called for in one, and mentioned in the other is to be performed and executed the same as if mentioned in all said documents.

Section 4 - BEGINNING OF WORK

Following receipt and full execution and approval of the Contract Documents, and posting of the requisite Bonds as called for therein, the COUNTY will issue a "Notice to Proceed". Under no circumstances shall the CONTRACTOR enter upon the site of work until receipt of the "Notice to Proceed", or unless so authorized in writing by the COUNTY.

Section 5 - TIME OF COMPLETION

The work called for in this Agreement shall be commenced within fifteen (15) days of receipt of Notice to Proceed by COUNTY and shall be fully completed within a period of 40 working days beginning on the fifteenth calendar day after the date of said approval of contract.

Section 6 - PREVAILING WAGE

Copies of the prevailing wage rates of per diem wages are on file in the Humboldt County Public Works office at 1106 Second Street, Eureka, California and are available to any interested person on request.

Section 7 - WORKERS' COMPENSATION

By my signature hereunder, as CONTRACTOR, I certify that I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

Section 8 - COMPLIANCE WITH LAWS

The Contractor agrees to comply with all local, state, and federal laws and regulations, including but not limited to the Americans With Disabilities Act. The Contractor further agrees to comply with any applicable federal, state or local licensing standards, any applicable accrediting standards, and any other applicable standards or criteria established locally or by the state or federal governments.

This agreement shall be governed by and construed in accordance with the laws of the State of California.

Section 9 - NOTICES

All notices shall be in writing and delivered in person or transmitted by mail. Notices required to be given to the COUNTY shall be addressed as follows:

Humboldt County Department of Public Works
1106 Second Street, Eureka, California, 95501

Notices required to be given to CONTRACTOR shall be addressed as follows:

IN WITNESS WHEREOF, The parties hereto have entered into this Agreement as of the date first above set forth.

COUNTY OF HUMBOLDT

(SEAL) BY _____
Chair, Board of Supervisors
of the County of Humboldt,
State of California

ATTEST:

KATHY HAYES
Clerk of the Board of Supervisors
of the County of Humboldt,
State of California

BY _____
Clerk of the Board

CONTRACTOR

BY _____

TITLE _____

BY _____

TITLE _____

(Two Signatures Required For Corporation)

APPROVED AS TO FORM:

BY _____
Deputy County Counsel

INSURANCE CERTIFICATES REVIEWED
AND APPROVED:

BY _____
Risk Manager

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

THAT WHEREAS, the County of Humboldt, by its order made _____, 20____, has awarded to _____ hereinafter designated as the "Principal," a contract for the work described as follows:

OAK St AND F St TRAFFIC SIGNAL PROJECT

NOW, THEREFORE, we the Principal and _____, Surety, are held and firmly bound unto the County of Humboldt in the penal sum of _____ Dollars (\$ _____), lawful money of the United States of America for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal, his or its subcontractors, heirs, executors, administrators, successors, or assigns, shall fail to pay any of the persons named in Section 3181 of the Civil Code, or amounts due under the Unemployment Insurance Code, with respect to work or labor performed by claimant, or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board from the wages of employees of the Contractor and his subcontractors pursuant to Section 18806 of the Revenue and Taxation Code with respect to such work and labor as required by Sections 3247 et seq. of the Civil Code of California, then said Surety will pay for the same, in or to an amount not exceeding the amount hereinafter set forth, and also will pay in case suit is brought upon this bond, such reasonable attorney's fees, as shall be fixed by the court, awarded and taxed as in the above-mentioned statutes provided.

AND, the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligations 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, or to the specifications.

IN WITNESS WHEREOF, this instrument has been duly executed by Principal and Surety above named, on the _____ day of _____, 20_____.

PRINCIPAL
BY _____

SURETY
BY _____
Attorney-in-fact

PERFORMANCE BOND

COUNTY OF HUMBOLDT, DEPARTMENT OF PUBLIC WORKS

Bond No. _____

WHEREAS, the County of Humboldt, acting by and through the Department of Public Works, has awarded to Contractor _____, hereafter designated as the "Contractor", a contract for the work described as follows:

OAK St AND F St TRAFFIC SIGNAL PROJECT

AND WHEREAS, the Contractor is required to furnish a bond in connection with said contract, guaranteeing the faithful performance thereof:

NOW, THEREFORE, we the undersigned Contractor and Surety are held firmly bound to the County of Humboldt in the sum of \$ _____ dollars (\$ _____), to be paid to said County or its certain attorney, its successors and assigns: for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That if the above bound Contractor, its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the foregoing contract and any alteration thereof made as therein provided, on his or their part to be kept and performed at the time and in the manner therein specified, and in all respects according to their intent and meaning, and shall indemnify and save harmless the County of Humboldt, its officers and agents, as therein stipulated, then this obligation shall become and be null and void; otherwise it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on this _____ day of _____, 20__.

Correspondence or claim relating to this bond should be sent to the surety at the following address:

Contractor

Name of Surety (SEAL)

By: Attorney-in-Fact

NOTE: Signatures of those executing for the surety must be properly acknowledged.

CERTIFICATE OF ACKNOWLEDGEMENT

State of California, City / County of _____ SS

On this _____ day of _____ in the year 20____ before me _____, a
Notary public in and for the City / County of _____, personally appeared
_____, known to me to be the person whose name is subscribed to this
Attorney-in-fact
instrument and known to me to be the attorney-in-fact of _____ and acknowledge to
me that he/she subscribed the name of the said company thereto as surety, and his/her own name as attorney-in-
fact.

(SEAL)

NOTARY PUBLIC