

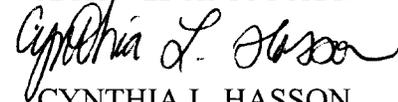
COVER SHEET

BOOK ONE

NOTICE TO BIDDERS, SPECIAL PROVISIONS, AND PROJECT PLANS

SAN MIGUEL CANYON ROAD SIGNAL COORDINATION PROJECT NO. 10-135065

APPROVED AS TO FORM:



CYNTHIA L. HASSON
Deputy County Counsel

APPROVED AS TO FORM:



STEVEN F. MAUCK
Risk Manager

TITLE SHEET

BOARD OF SUPERVISORS
COUNTY OF MONTEREY
STATE OF CALIFORNIA

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Fernando Armenta
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Neal Thompson, P.E., Traffic Engineer
Brenda Villanueva Engineering Technician

NOTICE TO BIDDERS,
SPECIAL PROVISIONS,
& PROJECT PLANS

**SAN MIGUEL CANYON ROAD SIGNAL COORDINATION
PROJECT NO. 10-135065**

IN

MONTEREY COUNTY

FOR USE IN CONNECTION WITH STANDARD SPECIFICATIONS, DATED MAY 2006; THE STANDARD PLANS, DATED MAY 2006; THE CURRENT LABOR SURCHARGE EQUIPMENT RENTAL RATES, OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, BUSINESS AND TRANSPORTATION AGENCY; THE CURRENT GENERAL PREVAILING WAGE DETERMINED BY THE DIRECTOR OF INDUSTRIAL RELATIONS IS ON FILE WITH THE DEPARTMENT OF PUBLIC WORKS.

168 W. Alisal Street 2nd Floor
Salinas, CA 93901-2438
(831) 755-4800

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SIGNATURE SHEET

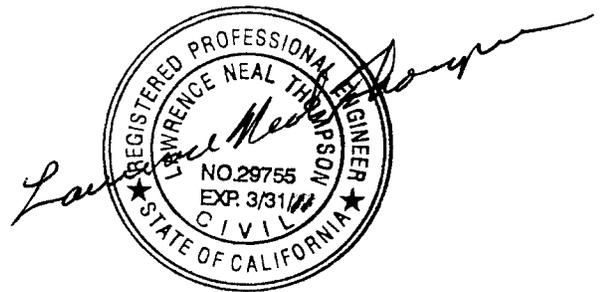
BOOK ONE

**NOTICE TO BIDDERS
AND
SPECIAL PROVISIONS**

**SAN MIGUEL CANYON ROAD SIGNAL COORDINATION
PROJECT NO. 10-135065**

The Special Provisions contained herein have been prepared by or under the direction of the following registered person.

PLACE SEAL HERE



L. Neal Thompson 4-15-10
L. Neal Thompson Date:

STANDARD PLANS LIST

The Standard Plan sheets applicable to this contract include, but are not limited to those indicated below. The Standard Plans of May 2006, which apply to this contract, are included as attachments to these Special Provisions.

GENERAL ROAD WORK

MISCELLANEOUS

A10A	Abbreviations
A10B	Symbols
A73C	Delineators, Channelizers and Barricades

TEMPORARY FACILITIES

T11	Traffic Control System for Lane Closure On Multilane Conventional Highways
T12	Traffic Control System for Lane Closure On Multilane Conventional Highways
T13	Traffic Control System for Lane Closure On Two Lane Conventional Highways
T17	Traffic Control System for Moving Lane Closure On Two Lane Highways

SIGNAL FACES, HEADS & MOUNTINGS

ES-4A
ES-4E

RESOURCE MANAGEMENT AGENCY -
DEPARTMENT OF PUBLIC WORKS
COUNTY OF MONTEREY
STATE OF CALIFORNIA

NOTICE TO BIDDERS

**SAN MIGUEL CANYON ROAD SIGNAL COORDINATION
PROJECT NO. 10-135065**

Sealed bids will be received at the OFFICE OF THE CLERK OF THE BOARD OF SUPERVISORS, COUNTY OF MONTEREY, 168 W. ALISAL STREET 1ST FLOOR, SALINAS, CALIFORNIA 93901 (MAILING ADDRESS: P O BOX 1728, SALINAS CA 93902-1728), until May 27, 2010 at 3 p.m., for construction of the San Miguel Canyon Road Signal Coordination, Project No. 10-135065, as shown on the Plans and in accordance with the specifications and other requirements therefor, at which time they will be publicly opened and read by the Purchasing Agent in the County of Monterey Government Center, Board of Supervisors' Conference Room 1032, 168 West Alisal Street 1ST Floor, Salinas, California 93901.

Special attention of prospective bidders is called to the "Proposal Requirements and Conditions" of the Special Provisions. A bidder's bond, issued by an admitted corporate surety company in an amount equal to at least ten percent of the amount bid, must accompany the bid. A blank Bidder's Bond form is included in the Bid Book (Book Two).

The Bidder shall possess a valid Class "A" or Class "C-10", Contractor's license.

Project consists of modifying existing left turn traffic signal phasing at two intersections from protected to protected-permissive phasing for traffic responsive signal coordination. The Engineer's Estimate of construction cost is \$25,000.

A payment bond and a performance bond each in the amount of 100 percent of the Contract are required as specified by Section 3-1.02, "Contract Bonds," of the Special Provisions.

Bids are required for the entire work described herein. Prices on alternate construction methods or materials will be considered only when specifically called for.

The CONTRACT DOCUMENTS--plans, specifications, and any addenda-- may be examined at the following locations:

Monterey County
Department of Public Works
168 W. Alisal Street, 2nd Floor
Salinas, CA 93901

Salinas Valley Builders Exchange
20 Quail Run Circle
Salinas, CA 93907

San Francisco Builders Exchange
850 S. Van Ness Avenue
San Francisco, CA 94110

Sacramento Builders Exchange
1331 T Street
Sacramento, CA 95811

Builders Exchange of the Central Coast

Santa Cruz Builders Exchange

100 12th Street, Bldg. 2861
Marina, CA 93933

1248 Thompson Avenue
Santa Cruz, CA 95062

Fresno Builders Exchange
1244 North Mariposa Avenue
Fresno, CA 93703

McGraw Hill
11875 Dublin Blvd. Suite A-118
Dublin, CA 94568

The Contract Documents will be made available ELECTRONICALLY and can be downloaded for free at the following Monterey County website: <http://www.co.monterey.ca.us/publicworks/bids.htm>. Plan holders must register before they can view or download the documents. A copy of the electronic files on compact-disc (CD) is also available at MONTEREY COUNTY DEPARTMENT OF PUBLIC WORKS, 168 W. ALISAL STREET, 2ND FLOOR, SALINAS, CALIFORNIA 93901 for a nonrefundable fee of \$5.00. The electronic files can be used to print the project plans (full or half size), project specifications, and other such documents at various printing companies.

Pursuant to Section 1773 of the Labor Code, the Director of the California Department of Industrial Relations has ascertained the general prevailing rate or per diem wages and the general prevailing rate for holiday and overtime work in this locality for each craft, classification, or type of worker needed to execute the Contract and are available on the internet at <http://www.dir.ca.gov/dlsr/pwd/>. Copies thereof are on file in the office of Department of Public Works, Salinas, California, and may be examined by any interested party on request. These wage determinations for this project as predetermined by the Director of the California Department of Industrial Relations are set forth in these Special Provisions. Addenda to modify wage rates, if necessary, will be issued to the holders of these Special Provisions. Future effective General Prevailing Wage Determinations, which have been predetermined and are on file with the California Department of Industrial Relations (<http://www.dir.ca.gov/dlsr/pwd/>), are referenced but not printed in these Special Provisions.

Pursuant to Section 5.08.120 of the Monterey County Code, all contractors and subcontractors providing work, laborers, or materialmen on the project shall make a good-faith effort to hire Monterey Bay Area residents such that no less than fifty percent (50%) of the contractor's total construction work force including any subcontractor work force, measured in labor work hours, is comprised of Monterey Bay Area residents.

Upon the Contractor's request, the County of Monterey will make payment of funds withheld from progress payments pursuant to the requirements of Public Contract Code Section 22300 if the Contractor deposits in escrow with the County Treasurer or with a bank acceptable to the County of Monterey, securities eligible for the investment of State funds under Government Code Section 16430 or bank or savings and loan certificates of deposit, upon conditions specified in Contract documents.

The Resource Management Agency, Department of Public Works reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding.

The quantities in the Bid Form (Book Two) are approximate only, being given as a basis for the comparison of bids; and the Department of Public Works does not, expressly or by implication, agree that the actual amounts of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work as may be deemed necessary or expedient by the Engineer. All bids are to be compared on the Bid Form (Book Two) of the quantities to be done.

YAZDAN T. EMRANI, P.E.
DIRECTOR OF PUBLIC WORKS
RMA - DEPARTMENT OF PUBLIC WORKS
COUNTY OF MONTEREY
STATE OF CALIFORNIA

DATED: May 11, 2010

RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS
COUNTY OF MONTEREY
STATE OF CALIFORNIA

SPECIAL PROVISIONS

**SAN MIGUEL CANYON SIGNAL ROAD COORDINATION
PROJECT NO. 10-135065**

SECTION 1 – DEFINITION AND TERMS

1-1.01 SPECIFICATIONS AND PLANS:

The work embraced herein shall be done in accordance with the Standard Specifications, dated May 2006, and the Standard Plans, dated May 2006, 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. The listing of certain salient sections from the Standard Specifications and these Special Provisions shall not in any way relieve the Contractor of complying with each and every section of the Standard Specifications.

Amendments to the Standard Specifications set forth in these special provisions shall be considered as part of the Standard Specifications for the purposes set forth in Section 5-1.04, "Coordination and Interpretation of Plans, Standard Specifications and Special Provisions," of the Standard Specifications. Whenever either the term "Standard Specifications is amended" or the term "Standard Specifications are amended" is used in the special provisions, the indented text or table following the term shall be considered an amendment to the Standard Specifications. In case of conflict between such amendments and the Standard Specifications, the amendments shall take precedence over and be used in lieu of the conflicting portions.

1-1.02 INTERPRETATION OF STANDARD SPECIFICATIONS:

For the purpose of this Contract, certain terms or pronouns in place of them used throughout the Standard Specifications, shall be interpreted as follows: Attention is directed to Section 1, "Definition and Terms," of the Standard Specifications and these Special Provisions:

1-1.03 DEFINITIONS:

The following terms defined in Section 1, "Definitions and Terms," of the Standard Specifications shall be interpreted to have the following meaning and intent:

State:	County of Monterey
Department:	The Monterey County Department of Public Works
Director:	Chair of the Board of Supervisors

Engineer: Director of Public Works of Monterey County, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

Laboratory: Any established laboratory designated by the Engineer to test materials and work involved in the Contract.

Attorney General: County Counsel of Monterey County

1-1.04 DEFINITIONS IN SPECIAL PROVISIONS:

Whenever in the Special Provisions and other contract documents, the following terms, or pronouns in place of them are used, the intent and meaning shall be interpreted as follows:

Clerk of the Board: The Clerk of the Monterey County Board of Supervisors

Public Works Director: The Director of Public Works of Monterey County.

SECTION 2 - PROPOSAL REQUIREMENTS AND CONDITIONS

2-1.01 GENERAL:

The bidder's attention is directed to the provisions in Section 2, "Proposal Requirements and Conditions," of the Standard Specifications and these Special Provisions for the requirements and conditions which he must observe in the preparation of the proposal form and the submission of the bid.

The Bidder's Bond form mentioned in the last paragraph in Section 2-1.07, "Proposal Guaranty," of the Standard Specifications will be found in the Bid Form, Book Two. Bidder's security in the form of cashier's check or certified check shall be made payable to the County of Monterey.

In conformance with Public Contract Code Section 7106, a Noncollusion Affidavit is included in the Bid.

This Contract will require a Class "A" or Class "C-10" contractor's license.

2-1.02 REQUIRED LISTING OF PROPOSED SUBCONTRACTORS:

Each bid shall have listed therein the name and address of each Subcontractor to whom the bidder proposes to subcontract portions of the work in an amount in excess of one-half of one percent of his total bid or \$10,000, whichever is greater, in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with Section 4100 of the Public Contract Code.

The bidder's attention is directed to other provisions of said Act related to the imposition of penalties for a failure to observe its provisions by using unauthorized Subcontractors or by making unauthorized substitutions.

A sheet for listing the Subcontractors, as required herein by law, is included in the Bid.

2-1.03 EXAMINATION OF PLANS, SPECIFICATIONS, CONTRACT, AND SITE OF WORK:

The bidder shall examine carefully the site of the work contemplated, the plans and specifications, and the bid and contract forms therefor. The submission of a bid shall be conclusive evidence that the bidder has investigated and is satisfied as to the general and local conditions to be encountered, as to the character, quality and scope of work to be performed, the quantities of materials to be furnished and as to the requirements of the bid, plans, specifications and the contract.

The submission of a bid shall also be conclusive evidence that the bidder is satisfied as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information was reasonably ascertainable from an inspection of the site as well as from the plans and specifications made a part of the contract.

All bidder inquiries about the meaning or intent of the Contract Documents submitted to the Engineer shall be in writing. Replies to the inquiries will be in the form of addenda and will be mailed, faxed, or delivered to all parties recorded by the Engineer as having received the bidding documents. Issued addenda shall be considered as part of the Contract Documents. Bidder inquiries received less than ten (10) days prior to the date of bid opening will not be answered. Oral and other interpretations or clarifications will be without legal effect.

The County assumes no responsibility for conclusions or interpretations made by a bidder or contractor based on the information or data made available by the County. The County does not assume responsibility for representation made by its officers or agents before the execution of the contract concerning surface or subsurface conditions, unless that representation is expressly stated in the contract.

No conclusions or interpretations made by a bidder or contractor from the information and data made available by the County will relieve a bidder or contractor from properly fulfilling the terms of the contract.

2-1.04 GOOD-FAITH EFFORT TO HIRE RESIDENTS OF MONTEREY BAY AREA:

In accordance with Section 5.08.120 of the Monterey County Code, unless such requirement would conflict with a state or federal law or regulation applicable to a particular contract for a public work of improvement, all contractors and subcontractors providing work, laborers, or materialmen on the project must promise to make a good-faith effort to hire qualified individuals who are, and have been for one (1) year prior to the opening of bids residents of the Monterey Bay Area in sufficient numbers so that no less than fifty percent (50%) of the contractor's total construction work force on the project including any subcontractor work force, measured in labor work hours is comprised of Monterey Bay Area residents. A certification form relating to compliance with Section 5.08.120 is furnished with the bid documents. Each contractor must complete the certification form and submit the certification form with the sealed bid. The Monterey County Board of Supervisors may deem a bid non-responsive for failure to abide by the good-faith local hiring provisions of Section 5.08.120.

The Monterey County Purchasing Agent has prescribed rules, regulations, and procedures relating to the application, administration, and interpretation of the provisions of Section 5.08.120, which include the following:

"Monterey Bay Area resident" means a person who resides within the boundaries of Monterey

County, Santa Cruz County, or San Benito County.

A "good-faith effort to hire qualified individuals" means that the contractor will take the following or similar steps.

- Contact local recruitment sources to identify qualified individuals who are Monterey Bay Area residents.
- Advertise for qualified Monterey Bay Area residents in trade papers and a newspaper of general circulation in at least Monterey County, unless time limits imposed by the County do not permit that advertising.
- If portions of the work are to be performed by subcontractors, identify subcontractors whose work force includes Monterey Bay Area residents.
- Take residency into account as a factor when determining composition of construction work force and potential subcontractors for the project.
- Require the same good-faith efforts by its subcontractors.

The County department administering the contract, in conjunction with the County's Equal Opportunity Officer, may periodically request evidence from each contractor that the contractor is complying with the requirements of Section 5.08.120. To this end, the contractor shall maintain accurate records documenting the following: contractor's good-faith efforts to hire Monterey Bay Area residents; the total number of labor hours contractor's construction work force has expended to date on the project; the number of such labor hours performed by Monterey Bay Area residents; and evidence of residency of contractor construction workforce. The contractor shall require any and all subcontractors on the project to maintain records of the same information for subcontractor's work force on the project and shall require subcontractor to provide a copy of those records to contractor upon contractor's request. The contractor shall make contractor's and subcontractors' records available to County for review and inspection within five business days of the County's request.

Contractors and subcontractors are referred to the provisions of Section 5.08.120 of the Monterey County Code and the rules, regulations, and procedures adopted to implement Section 5.08.120, a copy of which are on file with the County department administering the contract, with the County's Purchasing Agent, and with the County's Equal Opportunity Officer.

SECTION 3 - AWARD AND EXECUTION OF CONTRACT

3-1.01 GENERAL:

The bidder's attention is directed to the provisions in Section 3, "Award and Execution of Contract," of the Standard Specifications and these special provisions for the requirements and conditions concerning award and execution of contract.

Bidders who wish to lodge a protest as to the award of the bid must do so before 5 p.m. of the 5th business day following the notice of intent to award the contract. Failure to timely file a written protest shall constitute a waiver of right to protest. Untimely protests will not be accepted or considered. Bid protests must be submitted, in writing, to: MONTEREY COUNTY DEPARTMENT OF PUBLIC WORKS TO THE ATTENTION OF THE PROJECT MANAGER/168 W ALISAL ST, 2ND FLOOR /SALINAS CA 93901-2438. Protests may be hand-delivered or sent via facsimile [(831)755-4958], certified postal mail, or E-mail to the attention of the project manager [The Project

Manager's E-mail address may be obtained by calling (831) 755-4800]. Bid protests must include the project name and project number, a complete statement describing the basis for the bid protest, including a detailed statement of all legal and factual grounds for the protest, any documentation supporting the protestor's grounds for the protest, and the form of relief requested and the legal basis for such relief. The party lodging the protest must also include their contact information including mailing address, telephone number, and E-mail address.

If a valid protest is timely filed, the Department shall investigate the bid protest. The protested bidder shall have three (3) business days to respond to any Department of Public Works requests to provide additional information.

The award of the contract, if it be awarded, will be to the lowest responsible bidder whose bid complies with all the requirements prescribed.

In determining the lowest "responsible" Bidder, consideration shall be given to the general competency of Bidder in regards to the work covered by the bid.

The contract shall be executed by the successful bidder and shall be returned, together with the contract bonds and insurance certificates, to the MONTEREY COUNTY PUBLIC WORKS DEPARTMENT so that it is received within 10 days, not including Saturdays, Sundays and legal holidays, after the bidder has received the contract for execution. Failure to do so shall be just cause for forfeiture of the bid guaranty. The executed contract documents shall be delivered to the following address: MONTEREY COUNTY DEPARTMENT OF PUBLIC WORKS, 168 W. ALISAL ST, 2ND FLOOR, SALINAS, CA, 93901-2438.

3-1.02 CONTRACT BONDS:

In lieu of the second paragraph in Section 3.102 of the Standard Specifications, the following shall be inserted:

Except as otherwise provided in Section 3248 of the Civil Code and Section 30154 of the Streets and Highways Code, each of the two bonds shall be in a sum equal to at least 100 percent of the contract price and shall be written by an admitted corporate surety.

SECTION 4 - PROSECUTION AND PROGRESS

4-1 BEGINNING OF WORK, TIME OF COMPLETION, AND LIQUIDATED DAMAGES:

Attention is directed to the provisions in Section 8-1.03, "Beginning of Work;" in Section 8-1.06 "Time of Completion;" and in Section 8-1.07, "Liquidated Damages;" of the Standard Specifications.

The Contractor shall begin work within 10 calendar days of the issuance of the Notice to Proceed by the County of Monterey. This work shall be diligently prosecuted to completion before the expiration of **20 WORKING DAYS**.

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

4-2 PRE-CONSTRUCTION CONFERENCE:

After the issuance of the Notice to Proceed, a pre-construction conference shall be held at the office of the MONTEREY COUNTY DEPARTMENT OF PUBLIC WORKS, 855 E. LAUREL DRIVE, BUILDING D, SALINAS, CA, for the purpose of discussing with the Contractor the scope of work, contract drawings, Specifications, existing conditions, materials to be ordered, equipment to be used, and all essential matters pertaining to the prosecution of and the satisfactory completion of the project as required. The Contractor's representatives at this conference shall include all major superintendents for the work and may include major subcontractors.

4-3 ARCHAEOLOGICAL DISCOVERIES:

All articles of archaeological interest that may be uncovered by the Contractor during the progress of the work shall be reported immediately to the Engineer. The further operations of the Contractor with respect to the find shall be decided under the direction of the Engineer.

SECTION 5 - GENERAL

5-1 MISCELLANEOUS

5-1.01 LABOR NON DISCRIMINATION:

Attention is directed to the following Notice that is required by Chapter 5 of Division 4 of Title 2, California Code of Regulations.

**NOTICE OF REQUIREMENT FOR NONDISCRIMINATION PROGRAM
(GOV. CODE, SECTION 12990)**

Your attention is called to the "Nondiscrimination Clause", set forth in Section 7-1.01A(4), "Labor Nondiscrimination," of the Standard Specifications, which is applicable to all nonexempt state contracts and subcontracts, and to the "Standard California Nondiscrimination Construction Contract Specifications" set forth therein. The Specifications are applicable to all nonexempt state construction contracts and subcontracts of \$5,000 or more.

5-1.02 GENERAL PREVAILING WAGE RATES:

The general prevailing rates of per diem, holiday, and overtime wages for each craft, classification, or type of worker needed to execute the contract are determined in accordance with Section 1770, et. seq., of the Labor Code; and the contractor shall comply with all applicable sections thereof.

Attention is directed to Section 7-1.01A(2), "Prevailing Wage," of the Standard Specifications.

The general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work are on file in the office of the Monterey County Department of Public Works or on the Internet at: <http://www.dir.ca.gov/dlsr/pwd/>.

The Contractor shall post the prevailing wage rates at the job site.

5-1.03 APPRENTICES:

Attention is directed to Section 7-1.01A (5), "Apprentices," of the Standard Specifications.

5-1.04 LABOR CODE REQUIREMENT:

Attention is directed to Section 7-1.01A(1), "Hours of Labor," of the Standard Specifications.

5-1.05 WORKER'S COMPENSATION:

Attention is directed to Section 7-1.01A(6), "Workers' Compensation," of the Standard Specifications.

5-1.06 PUBLIC SAFETY:

The Contractor shall provide for the safety of traffic and the public in conformance with the provisions in Section 7-1.09, "Public Safety," of the Standard Specifications and these special provisions.

Full compensation for conforming to the provisions in this section "Public Safety," shall be considered as included in the contract prices paid for the various items of work involved and no additional compensation will be allowed therefore.

5-1.07 REMOVAL OF ASBESTOS AND HAZARDOUS SUBSTANCE:

When the presence of asbestos or hazardous substances are not shown on the plans or indicated in the specifications and the Contractor encounters materials which the Contractor reasonably believes to be asbestos or a hazardous substance as defined in Section 25914.1 of the Health and Safety Code, and the asbestos or hazardous substance has not been rendered harmless, the Contractor may continue work in unaffected areas reasonably believed to be safe. The Contractor shall immediately cease work in the affected area and report the condition to the Engineer in writing.

In conformance with Section 25914.1 of the Health and Safety Code, removal of asbestos or hazardous substances including exploratory work to identify and determine the extent of the asbestos or hazardous substance will be performed by separate contract.

If delay of work in the area, due to the presence of asbestos or hazardous substances, delays the current controlling operation, the delay will be considered a right of way delay and the Contractor will be compensated for the delay in conformance with the provisions in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

The Department reserves the right to use other forces for exploratory work to identify and determine the extent of such material and for removing hazardous material from such area.

5-1.08 CONTRACTOR'S LICENSING LAWS:

Attention is directed to Section 7-1.01C, "Contractor's Licensing Laws," of the Standard Specifications.

5-1.09 SUBCONTRACTING:

No subcontract releases the Contractor from the contract or relieves the Contractor of their responsibility for a subcontractor's work.

If the Contractor violates Pub Cont Code § 4100 et seq., the County of Monterey may exercise the remedies provided under Pub Cont Code § 4110. The County of Monterey may refer the violation to the Contractors State License Board as provided under Pub Cont Code § 4111.

The Contractor shall perform work equaling at least 30 percent of the value of the original total bid with the Contractor's own employees and equipment, owned or rented, with or without operators.

Each subcontract must comply with the contract.

Each subcontractor must have an active and valid State contractor's license with a classification appropriate for the work to be performed (Bus & Prof Code, § 7000 et seq.).

Submit copies of subcontracts upon request by the Engineer.

Before subcontracted work starts, submit a Subcontracting Request form.

Do not use a debarred contractor; a current list of debarred contractors is available at the Department of Industrial Relations' Web site.

Upon request by the Engineer, immediately remove and not again use a subcontractor who fails to prosecute the work satisfactorily.

5-1.10 PROMPT PROGRESS PAYMENT TO SUBCONTRACTORS:

Attention is directed to the provisions in Sections 10262 and 10262.5 of the Public Contract Code and Section 7108.5 of the Business and Professions Code concerning prompt payment to subcontractors.

A prime contractor or subcontractor shall pay any subcontractor not later than 10 days of receipt of each progress payment in accordance with the provision in Section 7108.5 of the California Business and Professions Code concerning prompt payment to subcontractors. The 10 days is applicable unless a longer period is agreed to in writing. Any delay or postponement of payment over 30 days may take place only for good cause and with the agency's prior written approval. Any violation of Section 7108.5 shall subject the violating contractor or subcontractor to the penalties, sanction and other remedies of that section. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance, or noncompliance by a subcontractor.

5-1.13 PAYMENTS:

Attention is directed to Section 9-1.06, "Partial Payments," and 9-1.07, "Payment After Acceptance," of the Standard Specifications and these special provisions.

For the purpose of making partial payments pursuant to Section 9-1.06, "Partial Payments," of the Standard Specifications, the amount set forth for the contract items of work hereinafter listed shall be deemed to be the maximum value of the contract item of work, which will be recognized for progress payment purposes.

Prepare Water Pollution Control Program	\$ 1,000
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After acceptance of the contract pursuant to the provisions in Section 7-1.17, "Acceptance of

Contract," of the Standard Specifications, the amount, if any, payable for a contract item of work in excess of the maximum value for progress payment purposes hereinabove listed for the item, will be included for payment in the first estimate made after acceptance of the contract.

No partial payment will be made for any materials on hand which are furnished but not incorporated in the work.

5-1.14 MEASUREMENT AND PAYMENT:

Attention is directed to Section 9, "Measurement and Payment," of the Caltrans Standard Specifications and these Special Provisions.

Section 9-1.10, "Arbitration," as defined in the Standard Specifications, is deleted from this contract. In lieu of arbitration, the following shall apply (from the Public Contract Code):

- A. Application of article; inclusion of article in plans and specifications (Public Contracts Codes 20104):
 - 1a. This article applies to all public works claims of three hundred seventy-five thousand dollars (\$375,000) or less which arise between a Contractor and the County of Monterey.
 - 1b. This article shall not apply to any claims resulting from a contract between the Contractor and the County of Monterey when the public agency has elected to resolve any disputes pursuant to Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, of the Public Contract Code).
 - 2a. "Public Works" has the same meaning as in Sections 3100 and 3106 of the Civil Code.
 - 2b. "Claim" means a separate demand by the Contractor for (A) a time extension, (B) payment of money or damages arising from work done by or on behalf of the Contractor pursuant to the contract for a public work and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (C) an amount the payment of which is disputed by the local agency.
 - 3. The provisions of this article or a summary thereof shall be set forth in the plans or specifications for any work, which may give, rise to a claim under this article.
 - 4. This article applies only to contracts entered into on or after January 1, 1991.
- B. Claims; requirements (Public Contracts Codes 20104.2):

For any claim subject to this article, the following requirements apply:

- 1. The claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for the filing of claims.

- 2a. For Claims of less than fifty thousand dollars (\$50,000), the local agency shall respond in writing to any written claim within 45 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses or claims the local agency may have against the claimant.
- 2b. If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant.
- 2c. The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 15 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.
- 3a. For claims of over fifty thousand dollars (\$50,000) and less than or equal to three hundred seventy-five thousand dollars (\$375,000), the local agency shall respond in writing to all written claims within 60 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses or claims the local agency may have against the claimant.
- 3b. If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant.
- 3c. The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 30 days after receipt of the further documentation, or within a period of time no greater than that taken by the claimant in producing the additional information or requested documentation, whichever is greater.
4. If the claimant disputes the local agency's written response, or the local agency fails to respond within the time prescribed, the claimant may so notify the local agency, in writing, either within 15 days of receipt of the local agency's response or within 15 days of the local agency's failure to respond within the time prescribed, respectively, and demand an informal conference to meet-and-confer for settlement of the issues in dispute. Upon a demand, the local agency shall schedule a meet-and-confer conference within 30 days for settlement of the dispute.
5. If following the meet-and-confer conference the claim or any portion remains in dispute, the claimant may file a claim pursuant to Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits his or her written claim pursuant to subdivision (a) until the time the claim is denied, including any period of time utilized by the meet and confer conference.

C. Procedures for civil actions filed to resolve claims (Public Contracts Codes 20104.4): The following procedures are established for all civil actions filed to resolve claims subject to this article:

1. Within 60 days, but no earlier than 30 days, following the filing or responsive pleadings, the court shall submit the matter to nonbinding mediation unless waived by mutual stipulation of both parties. The mediation process shall provide for the selection within 15 days by both parties of a disinterested third person as mediator, shall be commenced within 30 days of the submittal, and shall be concluded within 15 days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court.
- 2a. If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Chapter 2.5 (commencing with Section 1141.10) Title 3 of Part 3 of the Code of Civil Procedure, notwithstanding Section 1141.11 of that code. The Civil Discovery Act of 1986 Article 3 (commencing with Section 2016) of Chapter 3 of Title 3 of Part 4 of the Code of Civil Procedure) shall apply to any proceeding brought under this subdivision consistent with the rules pertaining to judicial arbitration.
- 2b. In addition to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, (A) arbitrators shall, when possible, be experienced in construction law, and (B) any party appealing an arbitration award who does not obtain a more favorable judgment shall, in addition to payment of costs and fees under that chapter, also pay the attorney's fees on appeal of the other party.

D. Payment by local agency of undisputed portion of claim; interest on arbitration award or judgment (Public Contracts Codes 20104.6):

1. The County of Monterey shall not fail to pay money as to any portion of a claim that is undisputed except as otherwise provided in the contract.
2. In any suit filed under Section 20104.4, Monterey County shall pay interest at the legal rate on any arbitration award or judgment. The interest shall begin to accrue the date the suit is filed in a court of law.

5-1.16 INDEMNIFICATION AND INSURANCE:

Attention is directed to Section 7-1.12, "Indemnification and Insurance," of the Standard Specifications and these Special Provisions.

In addition to all the Standard Specifications Section 7-1.12(b)(1)(c) requirements, the following additional requirements shall be met. An Additional Insured Endorsement to the Contractor's Liability insurance policy naming the County of Monterey, their officers, agents, and employees as additional insured's in the form approved by the County of Monterey shall also be furnished. A copy of the approved endorsement form may be obtained from the County of Monterey at the address to obtain bid packages as shown in the Notice to Bidders. The insurance afforded to the additional insured's is primary insurance and if the additional insured's have other insurance that

might be applicable to any loss, the amount of this insurance shall not be reduced or prorated due to the existence of such other insurance.

The contractor's insurer agrees to waive subrogation claims against the County of Monterey, their officers, agents, and employees.

Evidence of insurance (Contractual Liability insurance and Additional Insured Endorsement) in compliance with the requirements herein shall be furnished to the County of Monterey by the Contractor with the Certificate of Insurance in the form as approved by the County of Monterey. A copy of the approved certificate form may be obtained from the County of Monterey at the address to obtain bid packages as shown in the Notice to Bidders. Certificates of insurance shall, without any qualification thereto, contain the following statement:

Should any of the described policies be canceled, modified, or reduced in limits before the expiration date thereof, the issuing company will mail 30 days' advance written notice to the named certificate holders.

The insurance shall be issued by a company or companies authorized to transact business in the State of California and shall have a rating of at least A- VII in accordance with the current Best's rating.

Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve the Contractor for liability in excess of such coverage, nor shall it preclude the State of California or County of Monterey from taking such other actions as is available to them under any other provision of this contract (except retainage of money due to the Contractor) or otherwise in law.

Nothing in the contract is intended to create the public or any member thereof a third party beneficiary hereunder, nor is any term and condition or other provision of the contract intended to establish a standard of care owed to the public or any member thereof.

Prior to the execution of this Agreement by the County, Contractor shall file certificates of insurance with the County Contracts/Purchasing Department and with the County Public Works Director, showing that the Contractor has in effect the insurance required by this Agreement. The Contractor shall file a new or amended certificate of insurance promptly after any change is made in any insurance policy that would alter the information of the certificate then on file. Acceptance or approval of insurance shall in no way modify or change the indemnification clause in this Agreement, which shall continue in full force and effect.

5-1.17 AREAS FOR CONTRACTOR'S USE:

Attention is directed to the requirements specified in Section 7-1.19, "Rights in Land and Improvements," of the Standard Specifications and these Special Provisions.

The County right-of-way shall be used only for purposes that are necessary to perform the required work. The Contractor shall not occupy the right-of-way, or allow others to occupy the right-of-way, for purposes that are not necessary to perform the required work.

There are no County-owned parcels adjacent to the right-of-way for the exclusive use of the Contractor within the contract limits. The Contractor shall secure at his own expense any area required for plant sites, storage of equipment or materials, or for other purposes.

Use of the Contractor's work areas and other County-owned property shall be at the Contractor's own risk, and the County shall not be held liable for any damage to or loss of materials or equipment located within such areas.

The Contractor shall obtain encroachment permits prior to occupying County-owned parcels outside the contract limits. The required encroachment permits may be obtained from the MONTEREY COUNTY DEPARTMENT OF PUBLIC WORKS, 168 W ALISAL STREET 2ND FLOOR, SALINAS, CA 93901-2438.

Residence trailers will not be allowed within the county right-of-way.

The Contractor shall remove all equipment, materials, and rubbish from the work areas and other County-owned property, which he occupies and shall leave the areas in a presentable condition, in accordance with the provisions in Section 4-1.02, "Final Cleaning Up," of the Standard Specifications.

The Contractor shall secure at his own expense any area required for plant sites, storage of equipment or materials, or for other purposes if sufficient area is not available to him within the contract limits.

5-1.18 NOTICE OF POTENTIAL CLAIM:

Attention is directed to Section 9-1.04, "Notice of Potential Claim," of the Standard Specifications.

5-1.19 FINAL PAYMENT AND CLAIMS:

Attention is directed to Section 9-1.07B, "Final Payment and Claims," of the Standard Specifications.

5-1.20 PAYROLL RECORDS:

The Contractor's attention is directed to Section 7- 1.01A(3), "Payroll Records," of the Standard Specifications, and to the provisions of Labor Code, Section 1776 (Stats. 1978, Chapter 1249). The Contractor shall be responsible for the compliance with these provisions by his/her Subcontractors. The Contractor shall furnish the Engineer with certified payrolls and statement of benefits.

5-1.23 SOUND CONTROL REQUIREMENTS:

Sound control shall conform to the provisions in Section 7-1.01I, "Sound Control Requirements," of the Standard Specifications and these Special Provisions.

Each internal combustion engine, used for any purpose on the job or related to the job, shall be equipped with a muffler of a type recommended by the manufacturer. No internal combustion engine shall be operated on the project without the muffler.

The noise level requirements shall apply to the equipment on the job or related to the job,

including but not limited to trucks, transit mixers or transient equipment that may or may not be owned by the Contractor. The use of loud sound signals shall be avoided in favor of light warnings except those required by safety laws for the protection of personnel.

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed therefor.

SECTION 6 - (BLANK)

SECTION 7 - (BLANK)

SECTION 8 - MATERIALS

SECTION 8-1 - MISCELLANEOUS

8-1.01 GENERAL:

Attention is directed to Section 6, "Control of Materials," of the Standard Specifications and these Special Provisions.

All materials required to complete the work under this contract shall be furnished by the Contractor except for three PELCO Astro-brac, AS-0109 assemblies with stainless screw upgrade used to install 5-section cluster signal heads. County of Monterey will provide these.

8-1.02 RELATIVE COMPACTION:

Wherever relative compaction is specified to be determined by Test Method No. California 216 or Test Method No. California 231 the relative compaction will be determined by Test Method No. California 231.

SECTION 9 - DESCRIPTION OF WORK

In general, the project consists of traffic signal modifications including but not limited to modifying signal heads and installing small amount communication cable and conduit.

Such other items or details, not mentioned above, that are required by the Plans, Standard Specifications, Standard Plans, or these Special Provisions, shall be performed, placed, constructed, or installed.

SECTION 10 - CONSTRUCTION DETAILS

SECTION 10-1 - GENERAL

10-1.01 ORDER OF WORK:

Order of work shall conform to the provisions in Section 5-1.05, "Order of Work," of the Standard Specifications and these special provisions.

Attention is directed to "Water Pollution Control" of these special provisions regarding the submittal and approval of the Water Pollution Control Program prior to performing work having potential to cause water pollution.

Attention is directed to "Maintaining Traffic" under Traffic Control System Including Flagging, Bid Item No.3, Section 10-1.08 of these special provisions

Contractor shall protect existing cabinets, vaults, pull box covers, grates, curbing or other exposed facilities in place. Any damages to existing facilities shall be repaired at the expense of the Contractor. Contractor shall survey the number and location of these facilities prior bidding on the work.

Inventory and protection of existing facilities including cabinets, vaults, pull box covers, grates, curbing, or other exposed facilities shall be considered as included in the contract price paid for Two-inch Diameter Conduit and Communication Cable, (Bid Item No. 4), and no additional compensation will be allowed therefor.

10-1.02 PROJECT APPEARANCE:

The Contractor shall maintain a neat appearance to the work.

Full compensation for conforming to the provisions in this section not otherwise provided for, shall be considered in prices paid for the various contract items of work involved and no additional compensation shall be allowed therefor.

10-1.03 WATER POLLUTION CONTROL: (BID ITEM NO. 1)

Water pollution control work shall conform to the provisions in Section 7-1.01G, "Water Pollution," of the Standard Specifications and these Special Provisions.

This project lies within the boundaries of the California Regional Water Quality Control Board (RWQCB) Central Coast Region. A Notice of Intent to comply with the Terms of the General Permit to Discharge Storm Water Associated with Construction Activity was submitted to the California Regional Water Quality Control Board (RWQCB) Central Coast Region. This project is required to comply with the general permit requirements. A copy of the general permit is available on the Internet at www.swrcb.ca.gov/stormwtr/construction.html. The General Permit to Discharge Storm Water, the National Pollutant Discharge Elimination System (NPDES) regulations that regulate this project, is hereafter collectively referred to as the "Permits."

This project shall conform to the Permits and modifications thereto. The Contractor shall maintain copies of the Permits at the project site and shall make the Permits available during construction.

The Permits require the preparation of a sediment and erosion control plan that will be referred to within these Special Provisions as the Storm Water Pollution Prevention Plan (SWPPP). The SWPPP shall be prepared in conformance with the requirements of the Permits, the Department's "Storm Water Pollution Prevention Plan (SWPPP) and Water Pollution Control Program (WPCP) Preparation Manual" and the Department's "Construction Site Best Management Practices (BMPs) Manual," including addenda issued up to and including the date of advertisement of the project. These manuals are hereinafter referred to respectively as the "Preparation Manual" and the "Construction Site BMPs Manual" and collectively as the "Manuals." Copies of the Manuals may be obtained from the Department of Transportation, Material Operations Branch, Publication Distribution Unit, 1900 Royal Oaks Drive, Sacramento, California 95815, Telephone: (916) 445-3520, and may also be obtained from the Department's Internet website at: <http://www.dot.ca.gov/hq/construc/stormwater.html>.

The Contractor shall know and fully comply with applicable provisions of the Permits and all modifications thereto, the Manuals, and federal, state, and local regulations and requirements that govern the Contractor's operations and storm water and non-storm water discharges from both the project site and areas of disturbance outside of the project limits during construction. Attention is directed to Sections 7-1.01, "Laws to be Observed," and 7-1.12, "Indemnification and Insurance," of the Standard Specifications.

The Contractor shall be responsible for penalties assessed or levied on the Contractor or the Department as a result of the Contractor's failure to comply with the provisions in this section, "Water Pollution Control," including, but not limited to, compliance with the applicable provisions of the Permits, Manuals, and federal, state and local regulations and requirements as set forth therein.

Penalties as used in this section, "Water Pollution Control," shall include fines, penalties and damages, whether proposed, assessed, or levied against the County or the Contractor, including those levied under the Federal Clean Water Act and the State Porter-Cologne Water Quality Control Act, by governmental agencies or as a result of citizen suits.

PAYMENT

The Contract lump sum price paid for "Water Pollution Control" shall provide for full compensation for the preparation of the Storm Water Pollution Prevention Plan (SWPPP) and for implementing all water pollution and prevention control measures and no additional compensation shall be allowed therefor.

10-1.04 COOPERATION:

Attention is directed to Sections 7-1.14, "Cooperation," and 8-1.10, "Utility and Non-Highway Facilities," of the Standard Specifications.

10-1.05 PROGRESS SCHEDULE:

Progress schedules are required for this project and must be submitted as specified in Section 8-1.04, "Progress Schedule," of the Standard Specifications and these special provisions, unless otherwise authorized in writing by the Engineer.

The second paragraph of Section 8-1.04, "Progress Schedule," of the Standard Specifications does not apply.

Full compensation for submitting the required schedules shall be considered as included in the contract prices paid for the various items of work involved, and no additional compensation shall be allowed therefore.

10-1.06 OBSTRUCTIONS:

Attention is directed to Section 8-1.10, "Utility and Non-Highway Facilities," and Section 15, "Existing Highway Facilities," of the Standard Specifications and these special provisions.

The Contractor shall notify in writing the following utilities and agencies five days prior to the beginning of construction:

Charter Communications
Contact: Mark Wheeler
Tel: (831)846-3761
8120 Camino Arroyo
Gilroy CA 95020-5123

AT & T Broadband
Contact: Al Gutierrez
Tel: (408)754-8490
P.O. Box 1711
Monterey CA 93940

PG&E
Contact: David McKenna
Tel: (831)784-3295

Storm, Sewer – Monterey County
Contact: Bob Filice
Tel: (831)755-4950

401 Work St
Salinas CA 95062

168 W Alisal St, FL2
Salinas CA 93901

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 6 inches in diameter or pipelines operating at pressures greater than 60 psi (gage); 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 does not have concentric grounded conductors or other effectively grounded metal shields or sheaths.

As the first order of work, the contractor shall pothole all utility crossings shown on the plans and obtains measurements to the top of the pipe from a fixed recoverable point marked on the ground adjacent to the pothole.

The Contractor shall notify the Engineer and the appropriate regional notification center for operators of subsurface installations at least 2 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)	(800) 642-2444 (800) 227-2600
Western Utilities Underground Alert (Inc.)	(800) 424-3447

Full compensation for conforming to the provisions in this section not otherwise provided for, shall be considered in prices paid for the various contract items of work involved and no additional compensation shall be allowed therefore.

10-1.07 CONSTRUCTION AREA SIGNS FOR DURATION OF PROJECT: (BID ITEM NO. 2)

Construction area signs shall be furnished, installed, maintained, and removed at project completion in accordance with the provisions in Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications, these Special Provisions, and the project plans. Construction area signs for the duration of the project and their locations are shown on sheet 3 of the project plans attached to the back of the Special Provisions Book 1.

Attention is directed to Section 10-1.06 "Obstructions" of these Special Provisions concerning notification prior to installation of construction area signs.

All excavations required to install construction area signs shall be performed by hand methods without the use of power equipment, except that power equipment may be used if it is determined there are no utility facilities in the area of the proposed post holes.

PAYMENT

Full compensation for performing the above shall be considered in the lump sum price paid for Construction Area Signs for Duration of Project, and no additional compensation shall be allowed.

10-1.08 TRAFFIC CONTROL SYSTEM INCLUDING FLAGGING: (BID ITEM NO. 3)

All lane and turn lane closures shall be in accordance with the California Manual on Uniform Traffic Control Devices adopted September 26, 2006. No through lane or turn lane closures or flagging operations shall be allowed from 6 AM to 8:15 AM and from 3 PM to 7PM, Monday through Friday. In general flagging operations are not allowed except for unplanned events and for short periods of time for safety reasons. One lane of traffic in each direction shall be maintained at all times on all public roadways.

Closure is defined as the closure of a traffic lane or lanes, including shoulder, turning pockets, ramp or connector lanes, within a single traffic control system.

Closures shall conform to the provisions in "Traffic Control System for Lane Closure" of these special provisions.

Closures are only allowed during the hours indicated above except for work required under Sections 7-1.08, "Public Convenience," and Section 7-1.09, "Public Safety."

The full width of the traveled way shall be open for use by public traffic when construction operations are not actively in progress.

Under one-way reversing traffic control operations if allowed and approved by the Engineer, public traffic may be stopped in one direction for periods not to exceed 2 minutes. Intersections and driveways including traffic signal locations shall be under flagger control. At no time shall the Contractor allow traffic to backup to the auxiliary lane of US 101 portion of the off-ramp to San Miguel Canyon Road.

Flagging, signs, and temporary traffic control devices furnished, installed, maintained, and removed when no longer required shall conform to the provisions in Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications and these special provisions.

Construction area signs placed within 15 feet from the edge of the travel way shall be mounted on stationary mounted sign supports as specified in "Construction Area Traffic Control Devices" of these special provisions.

The Contractor shall maintain accurate information on construction area signs. Signs that are no longer required shall be immediately covered or removed. Signs that convey inaccurate information shall be immediately replaced or the information shall be corrected. Covers shall be replaced when they no longer cover the signs properly. The Contractor shall immediately restore to the original position and location any sign that is displaced or overturned, from any cause, during the progress of work.

MAINTAINING TRAFFIC:

Maintaining traffic shall conform to the provisions in Sections 7-1.08, "Public Convenience," Section 7-1.09, "Public Safety," and Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications, and these special provisions.

Personal vehicles of the Contractor's employees shall not be parked on the traveled way or shoulders including sections closed to public traffic.

When work vehicles or equipment are parked on the shoulder within 6 feet of a traffic lane, the shoulder area shall be closed with fluorescent orange traffic cones or portable delineators placed on a taper in advance of the parked vehicles or equipment and along the edge of the pavement at 25-foot intervals to a point not less than 25 feet past the last vehicle or piece of equipment. A minimum of 9 traffic cones or portable delineators shall be used for the taper. All warning signs shall be mounted on a crashworthy portable sign support with flags. The sign shall be placed where designated by the Engineer. The sign shall be a minimum of 48" x 48" in size. The Contractor shall immediately restore to the original position and location a traffic cone or delineator that is displaced or overturned, during the progress of work.

If minor deviations from the lane closure restrictions are required, a written request shall be submitted to the Engineer at least 24 hours before the proposed date of the variation. The Engineer may approve the deviations if there is no increase in the cost to the County and if the work can be expedited and better serve the public traffic. The shoulder may be used as through traffic lane if approved by the Engineer. Through traffic lanes shall be a minimum width of 11 feet (12 feet adjacent to curbing).

LATE REOPENING OF CLOSURES

If a closure is not reopened to public traffic by the specified time, work shall be suspended in conformance with the provisions in Section 8-1.05, "Temporary Suspension of Work," of the Standard Specifications. No further closures are to be made until the Engineer has accepted a work plan, submitted by the Contractor that will insure that future closures will be reopened to public traffic at the specified time. The Engineer will have 24 hours to accept or reject the Contractor's proposed work plan. The Contractor will not be entitled to compensation for the suspension of work resulting from the late reopening of closures.

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE:

A traffic control system shall consist of closing traffic lanes in conformance with the provisions in Section 12, "Construction Area Traffic Control Devices," of the Standard Specifications, the provisions under "Maintaining Traffic" and "Construction Area Signs" of these special provisions, and these Special Provisions.

The provisions in this section will not relieve the Contractor of responsibility for providing additional devices or taking measures as may be necessary to comply with the provisions in Section 7-1.09, "Public Safety," of the Standard Specifications.

If components in the traffic control system are displaced or cease to operate or function as specified, from any cause, during the progress of the work, the Contractor shall immediately

repair the components to the original condition or replace the components and shall restore the components to the original location.

In lieu of Section 12-202 FLAGGING COSTS, the cost of furnishing all flaggers and flagging operations shall be borne entirely by the Contractor.

PAYMENT

The contract lump sum price paid for traffic control system shall include full compensation for all flagging operations, flaggers, and preventing traffic from backing up to US 101 auxiliary lane at off-ramp and furnishing all labor, materials (including signs), 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, and no additional compensation will be allowed therefor.

10-1.10 2-INCH DIAMETER CONDUIT & COMMUNICATION CABLE (BID ITEM NO. 4)

Contractor shall install 2-inch diameter schedule 40 rigid PVC conduit from the AT&T vault to the 332 traffic signal controller cabinet both of which are located on the northeast corner of San Miguel Canyon Road and Moro Road as shown on sheet 2 of the Project Plans. Conduit shall run from the existing AT&T vault to the 332 traffic signal controller cabinet. Conduit shall enter the end wall of the AT&T vault and shall be Portland Cement Concrete mortared. A 3/8 inch polyester pull rope shall be placed. Conduit shall enter the side of the traffic signal cabinet through a 2-inch diameter galvanized schedule 40 (rigid) steel conduit and LB 90 degree fitting. Cabinet entry point shall be at the location designated by the Engineer. All conduit work shall be rigid and waterproof. Mounting board for an AT&T isolator shall be provided and attached to the inside wall of the signal cabinet by the Contractor. AT&T will provide and install the communication cable from their vault to the signal cabinet and also install their isolator. Contractor shall notify AT&T's Tom Lee, Contract Administrator, at 831-728-9350, 48 hours in advance of the need to inspect the conduit installation work. Contractor shall coordinate with AT&T for the cable installation, connections, and isolation device work to be performed. All work shall meet the requirements of AT&T.

In addition to the AT&T isolation device, an EDCO Surrrestor Model PC642 Series surge protector with 20-volt "clamp voltage" and ten circuit Buchanan Connector PCB1B (or approved equals) shall be provided and installed in the Moro Road 332 traffic signal controller cabinet to isolate the Moro intersection cabinet from the Prunedale North intersection 332 cabinet during lighting strikes or other undesirable electrical events.

The conduit trench shall be backfilled and compacted to 90% minimum relative compaction. A minimum of 3 inches of hot mix asphalt (Type B, 1/2 inch maximum, medium) shall be installed as a paving course to match the existing surface. Asphalt shall be properly compacted to 95% relative compaction.

Due to the amount of existing utilities in the excavation area, the Contractor shall hand dig the required trench below the asphalt surfacing. Conduit cover shall be a minimum of 24 inches.

PAYMENT

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing 2" diameter conduit, communication cable, and isolation devices as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer shall be considered as included in the contract lump sum price paid and no additional compensation shall be allowed therefor.

10-1.11 5-SECTION "DOGHOUSE" SIGNAL HEAD ON MAST ARM: (BID ITEM NO. 5)

Contractor shall remove and salvage the two existing signal heads on each mast arm and install new 5-section "doghouse" signal head per Standard Plan ES-4E, Detail MAS-5E except that no slip fitter is used. A PELCO Astro-brac two-way mounting assembly, Part Number AS-0109, stainless upgrade, shall be used to attach signal head to the mast arm. County of Monterey will provide the PELCO Astro-brac, AS-0109 assembly bracket only. Signal head shall contain all 12-inch LED sections and signal head and backplate shall be metal. LED modules shall be on Caltrans' Qualified Product List and meet the requirements of SECTION 86-4.02, LIGHT EMITTING DIODE SIGNAL MODULE of the Standard Specifications.

Salvaged signal heads shall be delivered to the County's Laurel Street facilities in the City of Salinas per the Engineer's direction.

PAYMENT

The contract price paid per each for 5-SECTION "DOGHOUSE" SIGNAL HEAD ON MAST ARM shall include full compensation for salvaging existing signal heads and furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in installing framework and mounting bracket and 5-section LED signal head with backplate complete in place as specified in the Project Plans, Standard Specifications, Standard Plans and these Special Provisions and no additional compensation shall be allowed therefor.

10-1.12 5-SECTION "IN-LINE" SIGNAL HEAD, DETAIL A: (BID ITEM NO. 6)

Contractor shall install new 5-section in-line signal heads to replace existing 3-section heads at the locations shown on the project plans. All signal head sections shall be 12-inch LED and signal heads and backplates shall be metal. LED modules shall be on Caltrans' Qualified Product List and meet the requirements of SECTION 86-4.02, LIGHT EMITTING DIODE SIGNAL MODULE of the Standard Specifications. In addition, the frameworks shall be modified to properly accommodate the other existing signal heads for the other traffic phases. New frameworks shall be provided if the existing can not be modified. An additional bolt and/or bracket assembly shall be installed at the top of the modified or new frameworks to provide additional stability at the Prunedale North intersection. Existing frameworks are SV-4-TA and SV-3-TA at Prunedale North Road. The framework at Moro Road is a TV-2-T.

Salvaged signal heads shall be delivered to the County's Laurel Street facilities in the City of Salinas per the Engineer's direction.

PAYMENT

The contract price paid per each for 5-SECTION "IN-LINE" SIGNAL HEAD, DETAIL A shall include full compensation for salvaging existing heads and furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in furnishing and installing framework and 5-section LED signal head with backplate complete in place as specified in the project plans, Standard Specifications, Standard Plans and these Special Provisions and no additional compensation shall be allowed therefor.

10-1.14 CENTRAL MASTER TRAFFIC SIGNAL COORDINATION EQUIPMENT & SOFTWARE:

Central master computer and software and retiming of traffic signals will be provide by separate contract and are not a part of this contract.

SECTION 11 (Blank)

SECTION 12 (Blank)

SECTION 13 (Blank)

SECTION 14 (Blank)

SECTION 15 – SAMPLE CONTRACT

S A M P L E - CONTRACT

CONTRACT FOR PUBLIC WORK

COUNTY OF MONTEREY

STATE OF CALIFORNIA

CONTRACT NO. 10-135065

THIS AGREEMENT, made in triplicate by and between the COUNTY OF MONTEREY, a political subdivision of the State of California, hereinafter called the "County," and _____, hereinafter called the "Contractor," WITNESSETH:

(1) THE WORK

The Contractor shall do all the work and furnish all the materials, except such as are mentioned in any of the contract documents to be furnished by the County, necessary to construct and complete in a good, workmanlike and substantial manner and to the satisfaction of the County, the following public work:

**SAN MIGUEL CANYON ROAD SIGNAL COORDINATION
PROJECT NO. 10-135065**

in accordance with this agreement and with all of the following additional contract documents which are incorporated into and made a part of this agreement:

- (a) The Standard Specifications, dated May 2006, and the Standard Plans, dated May 2006 of the State of California, Department of Transportation.
- (b) A set of plans and cross sections (when applicable) entitled:

**SAN MIGUEL CANYON ROAD SIGNAL COORDINATION
PROJECT NO. 10-135065**

- (c) The Special Provisions for the work.
- (d) The Notice to Bidders calling for bids.
- (e) The Payment and Performance bonds required.

- (f) Certificate of Insurance
- (g) The accepted bid/proposal including the following:
 - (1) List of Subcontractors
 - (2) Equal Employment Opportunity Certification
 - (3) Public Contract Code Section 10285.1 Statement
 - (4) Public Contract Code Section 10162 Questionnaire
 - (5) Public Contract Section 10232 Statement
 - (6) Non-Collusion Affidavit
 - (7) Debarment and Suspension Certification
 - (8) Affidavit Concerning Employment of Undocumented Aliens
 - (9) Contractor's Certificate as to Worker's Compensation
 - (10) Certification of Good Faith Effort
 - (11) List of Satisfied Public Agencies
 - (12) Bidder's Bond

All contract documents are intended to cooperate, so that any work called for in one and not mentioned in another is to be executed the same as if mentioned in all. However, should there be any conflict between the terms of this instrument and the Contractor's bid or proposal, then this instrument shall control.

2. WORKERS' COMPENSATION

In accordance with the provisions of Section 3700 of the Labor Code, the Contractor and every Subcontractor will be required to secure the payment of compensation to his employees.

3. CONTRACT PRICE

The County shall pay the Contractor the following prices for the performance of this contract:

**SAN MIGUEL CANYON ROAD SIGNAL COORDINATION
PROJECT NO. 10-135065**

ITEM NO	ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	ITEM PRICE (In Figures)	TOTAL (In Figures)
1	WATER POLLUTION CONTROL	LS	LS	\$	\$
2	CONSTRUCTION AREA SIGNS FOR DURATION OF PROJECT	LS	LS	\$	\$
3	TRAFFIC CONTROL INCLUDING FLAGGING	LS	LS	\$	\$
4	2" DIAMETER CONDUIT & COMMUNICATION CABLE	LS	LS	\$	\$
5	5-SECTION "DOG HOUSE" SIGNAL HEAD ON MAST ARM	EA	3	\$	\$
6	5-SECTION IN-LINE SIGNAL HEAD PER DETAIL A	EA	3	\$	\$
TOTAL COST					\$

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the dates appearing below their respective signatures.

CONTRACTOR:

(Name of Company)

By: _____

Name: _____

Title: _____

Date: _____

COUNTY OF MONTEREY:

By: _____

Name: Yazdan T. Emrani, P.E.

Title: Director of Public Works

Date: _____

APPROVE AS TO FORM

By: _____

Name: Cynthia L. Hasson

Title: Deputy County Counsel

Date: _____

APPROVE AS TO FORM

By: _____

Name: Steven F. Mauck

Title: Risk Manager

Date: _____

COUNTY OF MONTEREY

PAYMENT BOND

(Civil Code Section 3249)

KNOW ALL MEN BY THESE PRESENTS THAT:

WHEREAS, the County of Monterey has awarded to Principal, as Contractor, a contract for the following project:

**SAN MIGUEL CANYON ROAD SIGNAL COORDINATION
PROJECT NO. 10-135065**

AND WHEREAS, Principal, as Contractor, is required to furnish a bond in connection with said contract, to secure the payment of claims of laborers, mechanics, materialmen, and other persons furnishing labor and materials on the project, as provided by law.

NOW, THEREFORE, we _____, as
Principal, and _____

_____ as Surety, are held and firmly bound unto the County of Monterey, a political subdivision of the State of California (hereinafter called "County"), and to the persons named in California Civil Code section 3181 in the penal sum of _____ for the payment of which sum in lawful money of the United States, 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 the Principal, or any of Principal's heirs, executors, administrators, successors, assigns, or Subcontractors, (1) fails to pay in full all of the persons named in Civil Code Section 3181 with respect to any labor or materials furnished by said persons on the project described above, or (2) fails to pay in full all amounts due under the California Unemployment Insurance Code with respect to work or labor performed on the project described above, or (3) fails to pay for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Principal and Subcontractors pursuant to Unemployment Insurance Code section 13020 with respect to such work and labor, then the Surety shall pay for the same.

Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract on the call for bids, or to the work to be performed there under, or the specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said contract or the call for bids, or to the work, or to the specifications.

If suit is brought upon this bond by the County and judgment is recovered, the Surety shall pay all litigation expenses incurred by the County in such suit, including attorney's fees, court costs, expert witness fees and investigation expenses.

This bond inures to the benefit of any of the persons named in Civil Code section 3181, and such persons or their assigns shall have a right of action in any suit brought upon this bond, subject to any limitations set forth in Civil Code sections 3247 et seq. (Civil Code, Division 3, Part 4, Title 15, Chapter 7: Payment Bond for Public Works).

IN WITNESS WHERE OF the above-bounden parties have executed this instrument under their several seals this _____ day of _____, 20____, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal)

Principal

By _____

Title _____

(Corporate Seal)

Surety

By _____

Title _____

(Attach notary acknowledgment for all signatures and attorney-in-fact certificate for signature by surety's representative)

COUNTY OF MONTEREY

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS THAT:

WHEREAS, the County of Monterey has awarded to Principal, _____
as Contractor, a contract for the following project:

**SAN MIGUEL CANYON ROAD SIGNAL COORDINATION
PROJECT NO. 10-135065**

WHEREAS, Principal, as Contractor, is required to furnish a bond in connection with said contract, to secure the faithful performance of said contract.

NOW, THEREFORE, we _____, as Principal,
and _____
_____ as Surety, are held and firmly
bound unto the County of Monterey, a political subdivision of the State of California (hereinafter
called "County"), in the penal sum of _____, for the
payment of which sum in lawful money of the United States, 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 the Principal, as Contractor, or Principal's heirs, executors, administrators, successors,
or assigns, (1) shall in all things stand to and abide by and well and truly keep and perform the
covenants, conditions, and agreements in said contract and any alteration thereof made as therein
provided, on Principal's part to be kept and performed, at the time and in the manner therein
specified and in all respects according to their true intent and meaning, and (2) shall defend,
indemnify and save harmless the County, the members of its board of supervisors, and its
officers, agents and employees as therein stipulated, then this obligation shall become null and
void; otherwise, it shall be and remain in full force and virtue.

Surety hereby stipulates and agrees that no change, extension of time, alteration, or addition
to the terms of the contract or the call for bids, or to the work to be performed thereunder, or the
specifications accompanying the same, shall in any way affect its obligation under this bond, and
it does hereby waive notice of any such change, extension of time, alteration or addition to the
terms of said contract or the call for bids, or to the work, or to the specifications.

Whenever the Principal, as Contractor, is in default, and is declared in default, under the
contract by the County of Monterey, the County of Monterey having performed its obligation
under the contract, Surety may promptly remedy the default, or shall promptly:

- (1) Complete the contract in accordance with its terms or conditions, or
- (2) Obtain a bid or bids for submission to County of Monterey for completing the
contract in accordance with its terms or conditions, and upon determination by

County of Monterey and Surety of the lowest responsible and responsive bidder, arrange for a contract between such bidder and County of Monterey, and make available as work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of contract price.

If suit is brought upon this bond by the County and judgment is recovered, the Surety shall pay all litigation expenses incurred by the County in such suit, including attorney's fees, court costs, expert witness fees and investigation expenses.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this _____ day of _____, 20____, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal)

Principal

By _____

Title _____

(Corporate Seal)

Surety

By _____

Title _____

(Attach notary acknowledgment for all signatures and attorney-in-fact certificate for signature by surety's representative)

PROJECT PLANS

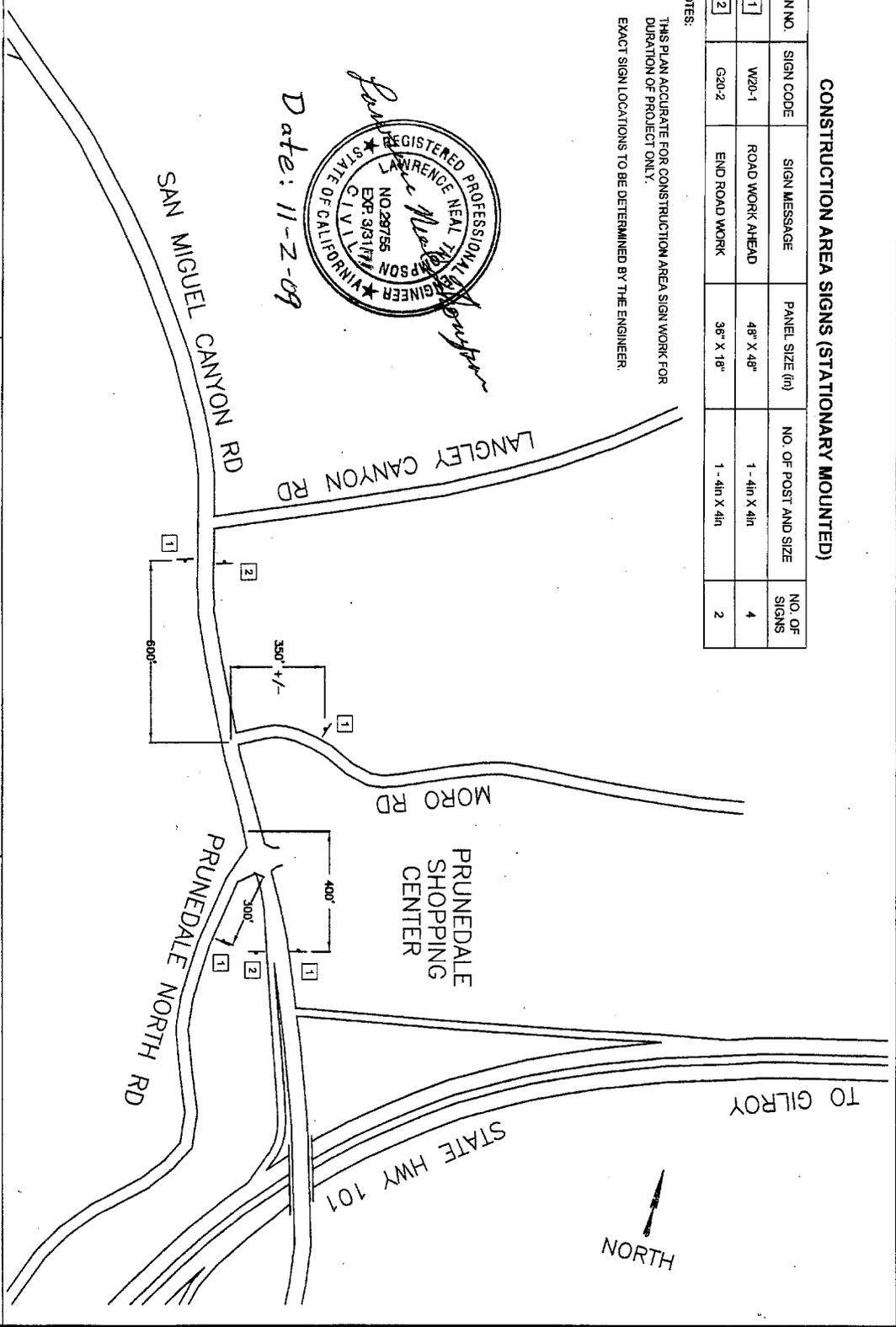
CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN NO.	SIGN CODE	SIGN MESSAGE	PANEL SIZE (in)	NO. OF POST AND SIZE	NO. OF SIGNS
1	W20-1	ROAD WORK AHEAD	48" X 48"	1 - 4in X 4in	4
2	G20-2	END ROAD WORK	36" X 18"	1 - 4in X 4in	2

- NOTES:
1. THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK FOR DURATION OF PROJECT ONLY.
 2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.



Date: 11-2-09



NEAL THOMPSON
 PREPARED BY
 NEAL THOMPSON
 SUBMITTED BY
 APPROVED BY

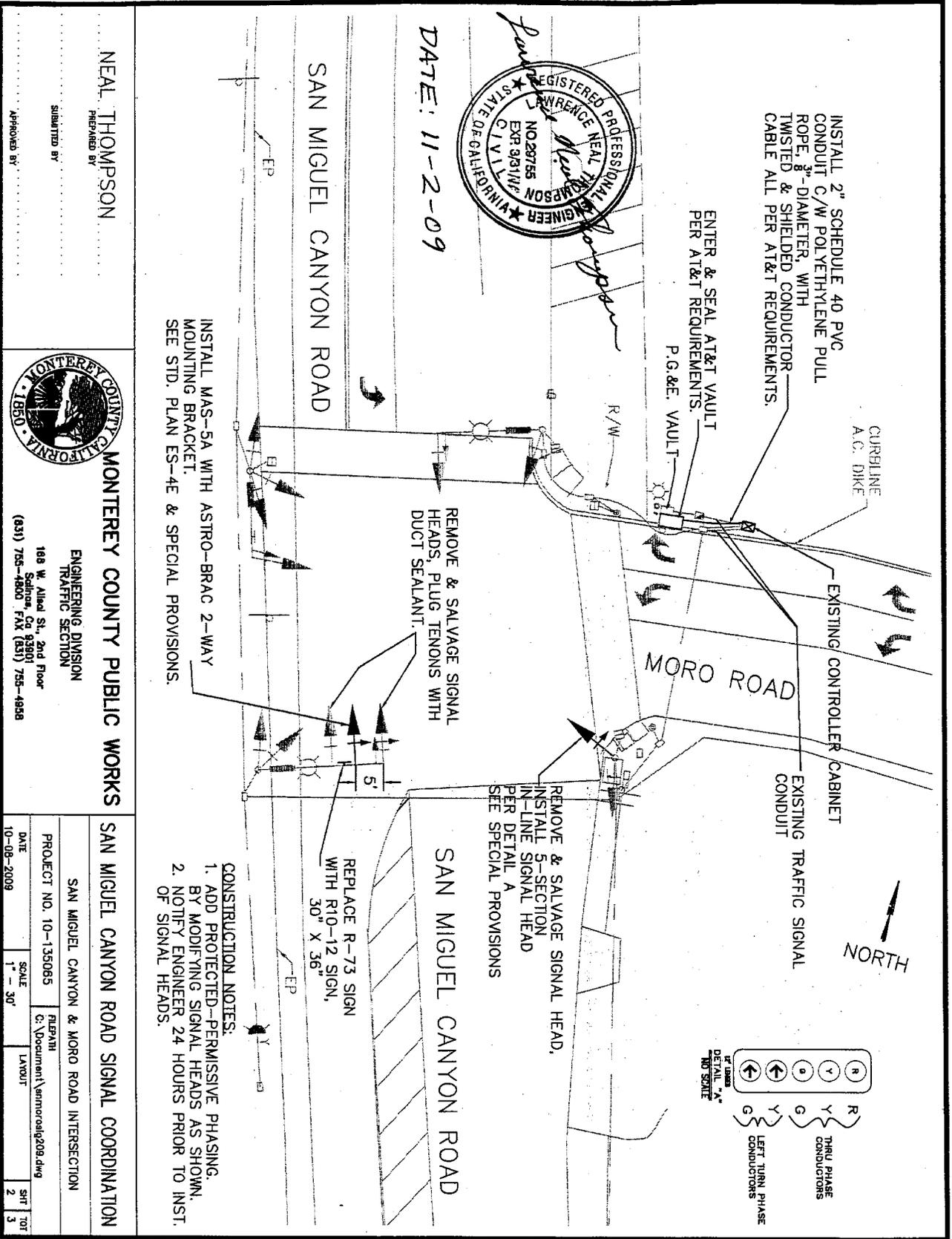


MONTEREY COUNTY PUBLIC WORKS
 ENGINEERING DIVISION
 TRAFFIC SECTION
 188 W. Alhida St., 2nd Floor
 Salinas, CA 95370
 (831) 755-4500 FAX (831) 755-4858

SAN MIGUEL CANYON ROAD SIGNAL COORDINATION

CONSTRUCTION AREA SIGNS

PROJECT NO. 10-135065	REVISION
DATE 10-30-2009	C:\Document\mcmr\cajg2009.dwg
SCALE N.T.S.	LAYOUT
SHT 1	TOT 3



NEAL THOMPSON

PREPARED BY

SUBMITTED BY

APPROVED BY



MONTEREY COUNTY PUBLIC WORKS

ENGINEERING DIVISION
TRAFFIC SECTION

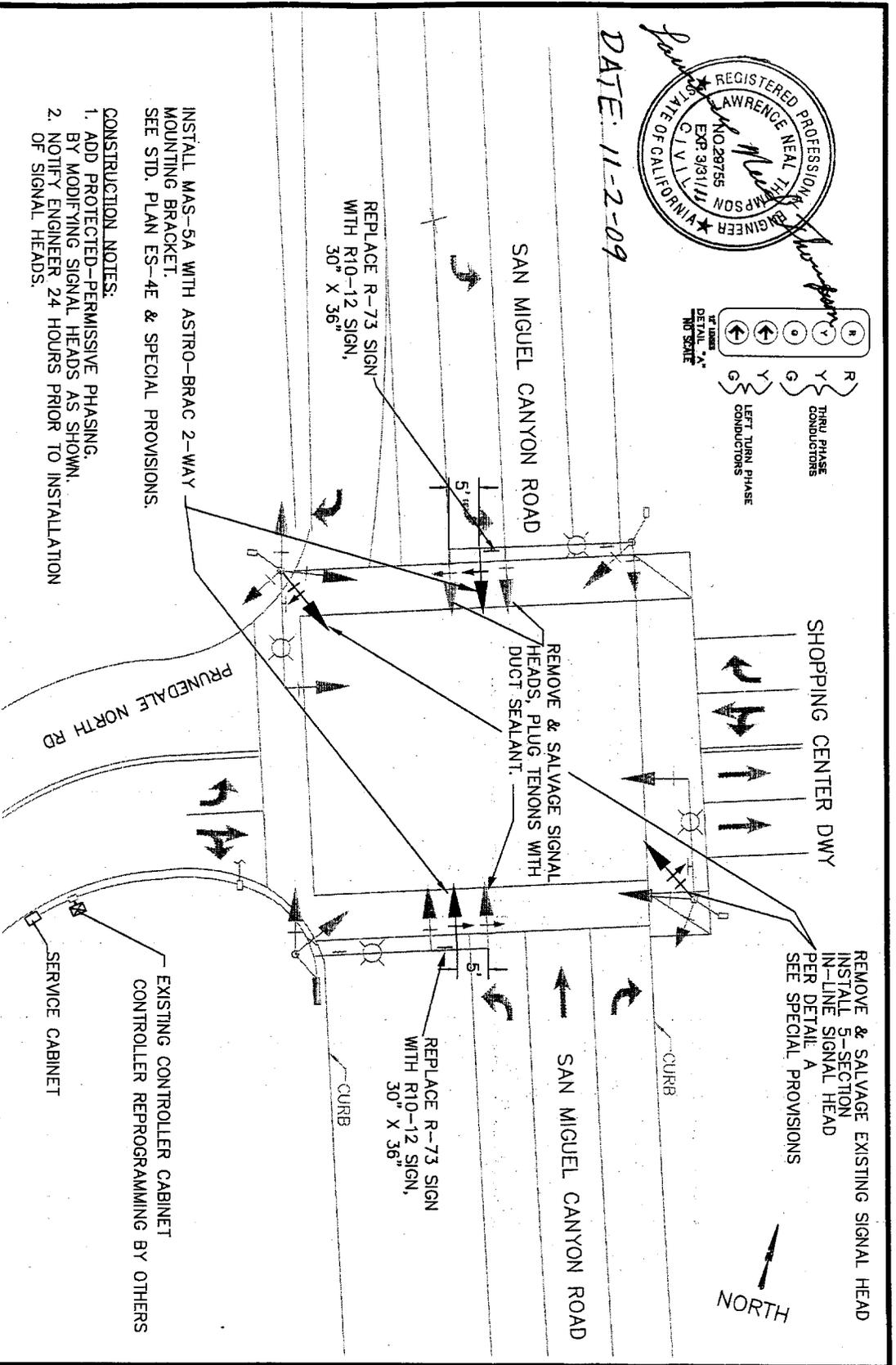
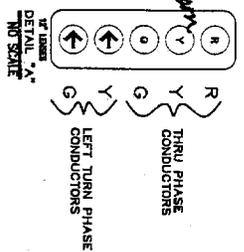
188 W. Alisal St., 2nd Floor
Salinas, Ca 93901
(831) 755-4800 FAX (831) 755-4888

SAN MIGUEL CANYON ROAD SIGNAL COORDINATION

SAN MIGUEL CANYON & MORO ROAD INTERSECTION	
PROJECT NO. 10-135065	FILEPATH C:\Document\monrocajg209.dwg
DATE 10-08-2008	SCALE 1" = 30'
	LAYOUT
SHT 2	TOT 3



DATE: 11-2-09



- INSTALL MAS-5A WITH ASTRO-BRAC 2-WAY MOUNTING BRACKET.
SEE STD. PLAN ES-4E & SPECIAL PROVISIONS.
- CONSTRUCTION NOTES:
1. ADD PROTECTED-PERMISSIVE PHASING BY MODIFYING SIGNAL HEADS AS SHOWN.
2. NOTIFY ENGINEER 24 HOURS PRIOR TO INSTALLATION

NEAL THOMPSON
PREPARED BY
SUBMITTED BY
APPROVED BY

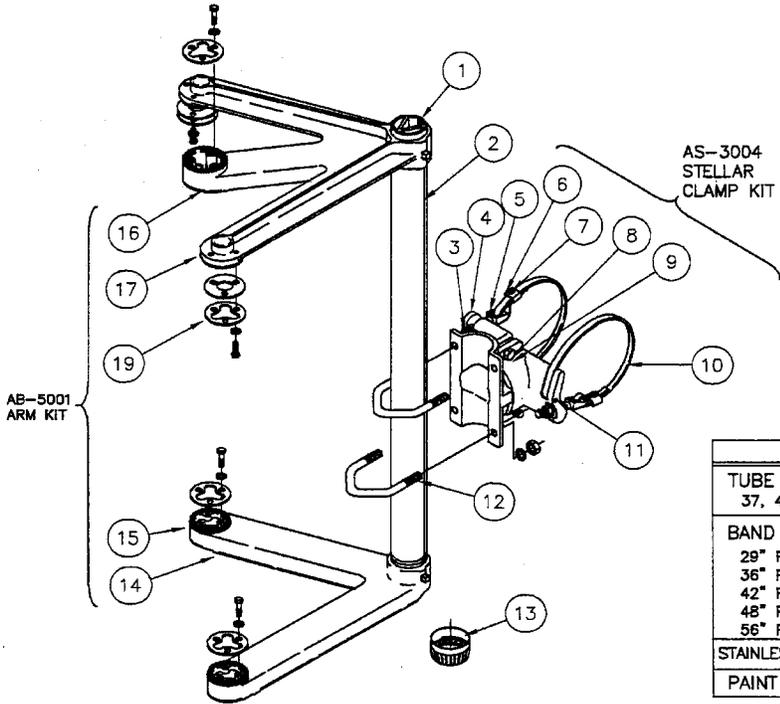


MONTEREY COUNTY PUBLIC WORKS
ENGINEERING DIVISION
TRAFFIC SECTION
168 W. Allied St., 2nd Floor
Salinas, Ca 93901
(831) 765-4800 FAX (831) 765-4958

SAN MIGUEL CANYON ROAD SIGNAL COORDINATION

DATE	SCALE	PLERATH	SHR	TOT
10-08-2009	1" = 30'	C:\Document\monrocalg209.dwg	3	3

ASTRO-BRAC ASSEMBLY, AS-0109

	www.pelcoinc.com 320 W. 18TH ST., EDMOND, OK 73013 405-340-3434 FAX: 405-340-3435	<h2 style="margin: 0;">ASSEMBLY SHEET</h2>					
REF.:	TITLE: ASTRO-BRAC ASSEY 5-SEC CLUSTER STELLAR SERIES BAND MOUNT	PELCO NO.: AS-0109					
							
<table border="1" style="border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">OPTIONS</th> </tr> </thead> <tbody> <tr> <td>TUBE LENGTH: 37, 48, 56, OR 74"</td> </tr> <tr> <td>BAND LENGTH: 29" FITS 4"-8.6" POLE DIA. 36" FITS 4"-10.8" POLE DIA. 42" FITS 4"-12.7" POLE DIA. 48" FITS 4"-14.6" POLE DIA. 56" FITS 4"-17.2" POLE DIA.</td> </tr> <tr> <td>STAINLESS UPGRADE (AB-0204-SS)</td> </tr> <tr> <td>PAINT</td> </tr> </tbody> </table>			OPTIONS	TUBE LENGTH: 37, 48, 56, OR 74"	BAND LENGTH: 29" FITS 4"-8.6" POLE DIA. 36" FITS 4"-10.8" POLE DIA. 42" FITS 4"-12.7" POLE DIA. 48" FITS 4"-14.6" POLE DIA. 56" FITS 4"-17.2" POLE DIA.	STAINLESS UPGRADE (AB-0204-SS)	PAINT
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STAINLESS UPGRADE (AB-0204-SS)							
PAINT							
ITEM	PART NO.	DESCRIPTION	QTY				
1	AB-0233-35	INSERT, VINYL, 35"	1				
2	AB-0306-37	GUSSETED TUBE, 1½"-11½" NPS x 37", TOE, ALUM	1				
3	AS-0347-M1	CLAMP, MALE, STELLAR SERIES ASTRO-BRAC, ALUM	1				
4	AS-0346-M1	CLAMP, FEMALE STELLAR SERIES ASTRO-BRAC BAND MNT, ALUM	2				
5	AB-0204-GLV	KIT, CLAMP SCREW, 7/16"-14 GALV SCREW & STAINLESS HDWR	1				
6	AB-0244-SS	CLAMP, BAND 5/8", STAINLESS	2				
7	FS-3202-SS	SCREW, SET SOC HD, 5/16"-18 X 1/4", STAINLESS	2				
8	FS-2125-SS	BOLT, HEX HD, 7/16"-14 x 1½", STAINLESS	2				
9	FS-4213-SS	WASHER, SPLIT LOCK, 7/16", STAINLESS	2				
10	AB-0243	BAND, 5/8", STAINLESS	2				
11	FS-6200-ZN1	GROOVE PIN, 3/16" X 1-3/4, ZINC 1	2				
12	AB-0256-SS	V-BOLT KIT, 5/16"-18, STAINLESS	1				
13	B-4001	THREAD PROTECTOR, 1½", PLASTIC	1				
14	AB-0236-M2	COVER SET, LOWER ARM, 2-WAY, ABS PLASTIC	1				
15	AB-0297-M1	LOWER ARM, ASTRO-BRAC, 2-WAY, ALUM	1				
16	AB-0236-M4	COVER, SINGLE UPPER CLUSTER ARM, ABS PLASTIC	1				
17	AB-0298-M1	UPPER ARM, ASTRO-BRAC, 5-SEC CLUSTER, ALUM	1				
18	B-2021	BAG, .004" x 4" x 4" POLY BAG W/ PELCO LOGO	2				
19	AB-0270-SS	HARDWARE KIT, 5-SEC CLUSTER, STAINLESS	1				

7/25/00 REV B-3/26/03

SHEET 1 OF 1