

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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SACRAMENTO, CA 95816-8041
FAX (916) 227-6214
TTY 711



*Flex your power!
Be energy efficient!*

March 17, 2010

12-Ora-5-6.0/31.2
12-0F9204
ACIM-005-2(944)77E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY AT VARIOUS LOCATIONS FROM CAMINO DE ESTRELLA OVERCROSSING TO FOURTH STREET OVERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Thursday, March 25, 2010.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, and the Bid book.

Project Plan Sheets 1, 3, 4, 6, 7, 19, 81, 82, 83, 84, 105, 106, 117, 118, 119, 120, 121 and 129 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 104A, 104B, 124A, 124B, 124C, 124D, 124E, 124F, 128A, 129A, 129B, 140A, 140B and 140C are added. Copies of the added sheets are attached for addition to the project plans.

In the Notice to Bidders and Special Provisions, in the Registered Persons signature and seal sheet, the signature and seal sheet is revised as attached.

In the Notice to Bidders and Special Provisions, in the "STANDARD PLANS LIST," the following Standard Plans are added:

"H1, Irrigation Controller Enclosure Cabinet"
"ES-3H, Electrical Systems (Electric Service Irrigation)"
"RSP ES-1A, Electrical Systems (Symbols And Abbreviations)"
"RSP ES-1B, Electrical Systems (Symbols And Abbreviations)"
"RSP ES-1C, Electrical Systems (Symbols And Abbreviations)"
"ES-8, Electrical Systems (Pull Box Details)"
"ES-13A, Electrical Systems (Splicing Details)."

In the Special Provisions, Section 10-2.02, "EXISTING HIGHWAY PLANTING," subsection "MAINTAIN EXISTING PLANTED AREAS," is added as attached.

In the Special Provisions, Section 10-2.05, "IRRIGATION SYSTEMS," subsection "ELECTRIC AUTOMATIC IRRIGATION COMPONENTS," sub-subsection "Irrigation Controllers," is revised as attached.

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In the Special Provisions, Section 10-2.05, "IRRIGATION SYSTEMS," subsection "FLOW SENSOR," is added as attached.

In the Special Provisions, Section 10-2.05, "IRRIGATION SYSTEMS," subsection "IRRIGATION CONTROLLER ENCLOSURE CABINET," is added as attached.

In the Special Provisions, Section 10-2.05, "IRRIGATION SYSTEMS," subsection "IRRIGATION SYSTEMS FUNCTIONAL TEST," is revised as attached.

In the Special Provisions, Section 10-2.05, "IRRIGATION SYSTEMS," subsection "WYE STRAINERS," is added as attached.

In the Special Provisions, Section 10-3, "SIGNALS, LIGHTING AND ELECTRICAL SYSTEMS," is revised as attached.

In the Amendments to the Standard Specifications Dated May 2006, Section 2-1.12, "BID DOCUMENT COMPLETION," subsection 2-1.12A, "General," is revised as follows:

"2-1.12A General

Complete forms in the Bid book.

On the Subcontractor List you may either submit each subcontracted bid item number and corresponding percentage with your bid or fax this information to (916) 227-6282 within 24 hours after bid opening. If you fail to submit this information within the time specified, your bid is nonresponsive.

Except for the bid item number and the percentage of each item subcontracted, do not fax submittals."

In the Bid book, the "SUBCONTRACTOR LIST" form is revised as attached.

In the Bid book, in the "Bid Item List," Items 14, 25, 31, 32, 34, 38, 39, 40, 43, 44, 45, 46, 52, 53, 58, 60, and 61, are revised, Items 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, and 86 are added and Items 48 and 70 are deleted as attached.

To Bid book holders:

Replace the entire "Bid Item List" in the Bid book with the attached revised Bid Item List. The revised Bid Item List is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the Notice to Bidders section of the Notice to Bidders and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the Bid book.

Submit bids in the Bid book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

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This addendum and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/12/12-0F9204

If you are not a Bid book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

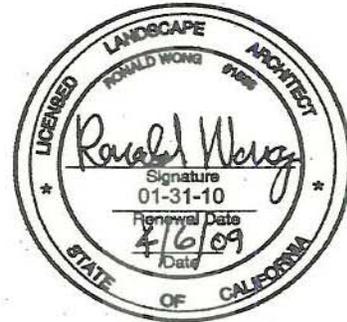
Attachments

CONTRACT NO. 12- 0F9204

THE SPECIAL PROVISIONS CONTAINED HEREIN HAVE BEEN PREPARED BY OR UNDER THE DIRECTION OF THE FOLLOWING REGISTERED PERSONS.

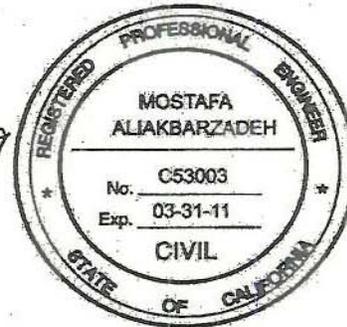
LANDSCAPE

Ronald Wong
LICENSED LANDSCAPE ARCHITECT



TRAFFIC

Mostafa Aliakbarzadeh 4-06-09
REGISTERED CIVIL ENGINEER



ELECTRICAL

Shahram Shahriari 3-15-10
REGISTERED ELECTRICAL ENGINEER



MAINTAIN EXISTING PLANTED AREAS

Existing planted areas, designated on the plans to be maintained, shall be maintained throughout the life of the contract in conformance with these special provisions.

Existing plants shall be watered in conformance with the provisions in Section 20-4.06, "Watering," of the Standard Specifications.

Existing planted areas to be maintained shall be inspected for deficiencies by the Contractor in the presence of the Engineer. Deficiencies requiring corrective action shall include weeds; dead, diseased, or unhealthy plants; missing plant stakes and tree ties; inadequate plant basins; and other deficiencies needing corrective action to promote healthy plant life. The inspection shall be completed within 15 days after the start of work.

Deficiencies found during the inspection shall be corrected within 15 days after the inspection ends. Correction of deficiencies, as directed by the Engineer, will be paid for as extra work in conformance with the provisions in Section 4-1.03D, "Extra Work," of the Standard Specifications.

After deficiencies have been corrected, the Contractor shall perform work to maintain existing planted areas in a neat appearance and to promote healthy plant growth. The work shall include the following:

- A. Weeds shall be killed before the weeds reach the seed stage of growth or exceed 6 inches in length.
- B. Weeds shall be removed from existing planted areas. Weeds shall be killed prior to removal. Weed removal in ground cover areas shall extend beyond the outer limits of ground cover areas to the adjacent edges of paving, fences and proposed plants and planting areas, and a 6-foot diameter area centered at each existing tree and shrub outside of existing ground cover areas.
- C. When a portion of a new automatic irrigation system is completed, the existing plants to be watered by that portion of the irrigation system shall be watered automatically.
- D. Pesticides for maintaining existing planted areas shall conform to the provisions in "Pesticides" of these special provisions.
- E. Existing plant basins shall be kept well-formed and free of silt. If existing plant basins require repairs, and the plant basins contain mulch, the mulch shall be replaced after the plant basins have been repaired.

The contract lump sum price paid for maintain existing planted areas shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in maintain existing planted areas, complete in place, as shown on the plans, as specified in the standard specifications and these special provisions, and as directed by the Engineer.

Irrigation Controllers

The Remote Irrigation Control System (RICS) irrigation controllers shall be Weathermatic VAC (Valcon Advanced Controller) controllers.

Irrigation controller to include the RICS compatible Weathermatic VAC Controller, Master Valve – Pump Start – Flow Sensor Module, Verizon CDMA wireless Modem (Service provided by Caltrans) and Remote Valve Actuator compatibility. All components are to be factory installed and warranted to a period of 5 years from date of installation.

Arrangements have been made to insure that any successful bidder can obtain the specified equipment listed below from Aqua-Flo Supply, 30 S. La Patera – Unit 10, Goleta, CA 93117, phone (805) 895-8909, fax (661) 273-7202.

The prices quoted include delivery. The prices are guaranteed by Aqua-Flo Supply through 12-30-2010. Applicable sales taxes are not included.

Irrigation controller upgrade shall be installed in the existing irrigation controller enclosure cabinets as shown on the plans, and as specified in these special provisions.

The quoted prices and equipment are as follows:

SATELLITE IRRIGATION CONTROLLERS FOR EXISTING ENCLOSURE CABINET		
Equipment Description	Quantity	Quoted Price/Each
ASWM-VAC24-VPSMF-VCDMA-RPC24 <i>(24 station VAC Controller)</i>	2	\$7089.88
ASWM-VAC36-VPSMF-VCDMA-RPC36 <i>(36 station VAC Controller)</i>	2	\$8,041.61
ASWM-VAC48-VPSMF-VCDMA-RPC48 <i>(48 station VAC Controller)</i>	1	\$8,763.91

SATELLITE IRRIGATION CONTROLLERS FOR WETWARE CENTRAL CONTROL (INCLUDING CONTROLLER ENCLOSURE CABINET)		
Equipment Description	Quantity	Quoted Price/Each
ASWM-VAC24-VPSMF-VCDMA-RPC24 <i>(24 station VAC Controller)</i>	1	\$8,321.88

IRRIGATION CONTROLLER ENCLOSURE CABINET		
Equipment Description	Quantity	Quoted Price/Each
ALL-SPEC AS23SS	1	\$1547.00

FLOW SENSOR

Flow sensors shall be installed on the supply line (main) as shown on the plans.

Flow sensors shall be capable of sensing programmed water flows during the operation of the irrigation system and shall be capable of detecting excess or inadequate water flows as per the operator entered parameters. The flow sensors shall be capable of transmitting water flow information to the irrigation controller (and central computer system) and shall meet the following requirements:

- A. The body shall be of brass or bronze construction.
- B. The flow sensor shall be an insertion type with a non-magnetic, spinning impeller as the only moving working part.
- C. The flow sensor shall be rated for a maximum line pressure of 400 PSI and a maximum liquid temperature of 104 degrees Celsius.
- D. The flow sensor shall have an accuracy of plus or minus 1 percent of full scale, linearity of plus or minus 1 percent, repeatability of plus or minus 1 percent, and a flow range of 1 to 30 feet per second.

The quantity of flow sensors will be measured by the unit as determined from actual count in place.

The contract unit price paid for flow sensor includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in flow sensors, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

IRRIGATION CONTROLLER ENCLOSURE CABINET

Irrigation controller enclosure cabinets shall be constructed and equipment installed in the cabinets in conformance with the details shown on the plans, the provisions of Section 86-3.04A, "Cabinet Construction," of the Standard Specifications, and these special provisions.

Electric service shall be installed in accordance with "Electric Service (Irrigation)" of these special provisions.

Irrigation controller enclosure cabinets shall be provided with cross ventilation, roof ventilation or a combination of both. The ventilation shall not compromise the weather resistance properties of the irrigation controller enclosure cabinets and shall be fabricated by the manufacturer.

The anchorage arrangement shall be inside the cabinet as shown on the plans. Dimensions of the cabinet shall be suitable for the equipment to be installed as shown on the plans and specified in these special provisions.

Irrigation controller enclosure cabinet dimensions for a single irrigation controller shall be 36 inches (Height) x 24 inches (Width) x 12 inches (Depth).

Irrigation controller enclosure cabinets shall be fabricated in conformance with the provisions in Section 86-3.04A, "Cabinet Construction," of the Standard Specifications.

Irrigation controller enclosure cabinets shall be stainless steel.

Irrigation controller enclosure cabinet doors shall not be furnished with integral door locks. Irrigation controller enclosure cabinet door handles shall have provisions for padlocking in the latched position. Mounting panels shall be fabricated of stainless steel metal sheets with a minimum thickness of 4 mm.

Inside of the doors shall have provisions for storage of the irrigation plans.

Solid-state automatic shut-off rain sensor units shall be installed for the irrigation controller enclosure cabinets. Rain sensor units shall automatically interrupt the master remote control valves when approximately 1/8 inch of rain has fallen. The irrigation system shall automatically be enabled again when the accumulated rainfall evaporates from the rain sensor unit collection cup. Rain sensor units shall be rated 24 V(ac) to 30 V(ac). Static charge protection shall be included to protect against lightning damage.

Equipment, except for field wiring, shall be installed in the cabinet in a shop by the equipment manufacturer's representative or distributor prior to field installation.

Irrigation controller enclosure cabinets will be measured by the unit as determined from actual count in place.

The contract unit price paid for irrigation controller enclosure cabinet shall include full compensation for furnishing all labor, materials, tools, equipment (including rain sensor units), and incidentals, and for doing all the work involved in fabricating and installing irrigation controller enclosure cabinets, complete in place, including constructing foundations, pads and conduits to pull boxes adjacent to cabinets, and installing equipment within the cabinets, except controllers, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

IRRIGATION SYSTEMS FUNCTIONAL TEST

Functional tests for the remote irrigation controller system (RICS) and associated automatic irrigation systems shall conform to the provisions in Section 20-5.027J, "Testing," of the Standard Specifications and these special provisions.

Two functional tests shall be performed, one without and one with connection to the remote irrigation controller system base station. Both tests shall consist of demonstrating to the Engineer, through one complete cycle of the irrigation controllers in the automatic mode, that the associated automatic components of the irrigation systems operate properly.

The Contractor shall notify the Engineer not less than 2 weeks prior to starting the functional tests for the remote irrigation control system.

The existing remote irrigation controller system base station is located at San Juan Capistrano Maintenance Yard at 32941 Camino Capistrano, San Juan Capistrano, CA 92675 and San Canyon Maintenance Yard at 6641 Marine Way, Irvine, CA 92618.

Associated automatic components for both tests shall include, but not limited to, new and existing remote control valve actuator systems, booster pump systems, irrigation controllers, remote control valves, conductors, flow sensors, and rain sensors. Associated automatic components for the second test shall include, but not be limited to, new and existing irrigation software programs, cellular phone, existing trunked radio transmission systems, and flow alarms for high, low, zero, and maximum mainline flows.

The first test shall be performed prior to planting the plants and shall consist of testing the irrigation controllers and associated automatic irrigation systems without connection to the remote irrigation controller system base station. Upon completion of a satisfactory functional test, and correction of the deficiencies, the plants to be planted in the areas watered by the irrigation system may be planted, provided the planting areas have been prepared as specified in these special provisions.

The second test shall be performed prior to the start of plant establishment and shall consist of testing the irrigation controllers (field units) and associated automatic irrigation systems with connection to the remote irrigation controller system base station. As part of the second test, a remote irrigation controller system watering schedule shall be submitted for each irrigation controller (field unit) to the Engineer. The Engineer will enter the watering schedule into the irrigation software program, and a computer printout will be made available to the Contractor for verification. If the Engineer determines the submitted watering schedule is unacceptable, a revised watering schedule shall be submitted to the Engineer for approval within 5 working days. Also as part of the second test, the Contractor shall demonstrate to the Engineer that the remote irrigation controller system base station detects and reports the high, low, zero, and maximum mainline flow alarms. Upon completion of a satisfactory test, including correction of deficiencies, the plant establishment period may begin, provided planting work as specified in these special provisions has been completed except for plant establishment work.

If existing and new automatic components of the irrigation systems, including remote irrigation controller system base station components, fail a functional test, the components shall be repaired. Repairs shall be at the Contractor's expense, except for repairs to an existing base station (personal computer, printer, mouse, keyboard, cables, and software) which will be paid for as extra work as provided in Section 4-1.03D of the Standard Specifications. Testing shall be repeated until satisfactory operation is obtained.

Repair or replacement of existing irrigation facilities due to unsatisfactory performance shall conform to the provisions in Section 20-5.025, "Maintain Existing Water Supply," of the Standard Specifications and "Existing Highway Irrigation Facilities" of these special provisions.

WYE STRAINERS

Wye strainers shall be installed on the upstream side of the electric remote control valves as shown on the plans.

Removable stainless steel strainers for wye strainers shall be 12 size mesh.

When garden valves are opened, discharge shall be up and out of the valve box.

Full compensation for garden valves and pipe fittings for garden valves on wye strainers shall be considered as included in the contract unit price paid for the size of wye strainer involved and no separate payment will be allowed therefor.

10-3.01 DESCRIPTION

Electric service (irrigation) and maintaining existing traffic management system elements during construction shall conform to the provisions in Section 86, "Electrical Systems," of the Standard Specifications and these special provisions.

10-3.02 COST BREAK-DOWN

Cost break-downs shall conform to the provisions in Section 86-1.03, "Cost Break-Down," of the Standard Specifications and these special provisions.

The Engineer shall be furnished a cost break-down for each contract lump sum item of work described in this Section 10-3.

The cost break-down shall be submitted to the Engineer for approval within 15 days after the contract has been approved. The cost break-down shall be approved, in writing, by the Engineer before any partial payment for the items of electrical work will be made.

10-3.03 MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION

Traffic Management System (TMS) elements include, but are not limited to ramp metering (RM) system, communication system, traffic monitoring stations, video image vehicle detection system (VIVDS), microwave vehicle detection system (MVDS), loop detection system, changeable message sign (CMS) system, extinguishable message sign (EMS) system, highway advisory radio (HAR) system, closed circuit television (CCTV) camera system, roadway weather information system (RWIS), visibility sensor, and fiber optic system.

Existing TMS elements, including detection systems, identified on the plans and located within the project limits shall remain in place and be protected from damage. If the construction activities require existing TMS elements to be nonoperational or off line, and if temporary or portable TMS elements are not shown on the plans, the Contractor shall provide for temporary or portable TMS elements. The Contractor shall receive the Engineer's approval on the type of temporary or portable TMS elements and installation method.

Before work is performed, the Engineer, the Contractor, and the Department's Traffic Operations Electrical representatives shall jointly conduct a pre-construction operational status check of all existing TMS elements and each element's communication status with the Traffic Management Center (TMC), including existing TMS elements that are not shown on the plans and elements that may not be impacted by the Contractor's activities. The Department's Traffic Operations Electrical representatives will certify the TMS elements' location and status, and provide a copy of the certified list of the existing TMS elements within the project limits to the Contractor. The status list will include the operational, defined as having full functionality, and the nonoperational components.

The Contractor shall obtain written approval from the Engineer at least 72 hours before interrupting existing TMS elements' communication with the TMC that will result in the elements being nonoperational or off line. The Contractor shall notify the Engineer at least 72 hours before starting excavation activities.

Traffic monitoring stations and their associated communication systems, which were verified to be operational during the pre-construction operational status check, shall remain operational on freeway/highway mainline at all times, except:

1. For a duration of up to 15 days on any continuous segment of the freeway/highway longer than 3 miles
2. For a duration of up to 60 days on any continuous segment of the freeway/highway shorter than 3 miles

If the construction activities require existing detection systems to be nonoperational or off line for a longer time period or the spacing between traffic monitoring stations is more than the specified criteria above, and temporary or portable detection operations are not shown on the plans, the Contractor shall provide provisions for temporary or portable detection operations. The Contractor shall receive the Engineer's approval on the type of detection and installation before installing the temporary or portable detection.

If existing TMS elements shown on the plans or identified during the pre-construction operational status check, except traffic monitoring stations, are damaged or fail due to the Contractor's activity, where the elements are not fully functional, the Engineer shall be notified immediately. If the Contractor is notified by the Engineer that existing TMS elements have been damaged, have failed or are not fully functional due to the Contractor's activity, the damaged or failed TMS elements, excluding structure-related elements, shall be repaired or replaced, at the Contractor's expense, within 24 hours. For a structure-related elements, the Contractor shall install temporary or portable TMS elements within 24 hours. For nonstructure-related TMS elements, the Engineer may approve temporary or portable TMS elements for use during the construction activities.

The Contractor shall demonstrate that repaired or replaced elements operate in a manner equal to or better than the replaced equipment or as directed by the Engineer. If the Contractor fails to perform required repairs or replacement work, as determined by the Engineer, the State may perform the repair or replacement work and the cost will be deducted from monies due to the Contractor.

A TMS element shall be considered nonoperational or off line for the duration of time that active communications with the TMC is disrupted, resulting in messages and commands not transmitted from or to the TMS element.

The Contractor shall provide provisions for replacing existing TMS elements within the project limits, including detection systems, that were not identified on the plans or during the pre-construction operational status check that became damaged due to the Contractor's activities.

If the pre-construction operational status check identified existing TMS elements, then the Contractor, the Engineer, and the Department's Traffic Operations Electrical representatives shall jointly conduct a post construction operational status check of all existing TMS elements and each element's communication status with the TMC. The Department's Traffic Operations Electrical representatives will certify the TMS elements' status and provide a copy of the certified list of the existing TMS elements within the project limits to the Contractor. The status list will include the operational, defined as having full functionality, and the nonoperational components. TMS elements that cease to be functional between pre and post construction status checks shall be repaired at the Contractor's expense and as directed by the Engineer.

The Engineer will approve, in writing, the schedule for final replacement, the replacement methods and the replacement elements, including element types and installation methods before repair or replacement work is performed. The final TMS elements shall be new and of equal or better quality than the existing TMS elements.

PAYMENT

The contract lump sum price paid for maintaining existing traffic management system elements during construction shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in maintaining existing traffic management system elements as shown on the plans, specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

If no electrical work exists on the project and no TMS elements are identified within the project limits, the pre-construction operational status check will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

Furnishing and installing temporary or portable TMS elements that are not shown on the plans, but are required when an existing TMS element becomes nonoperational or off line due to construction activities, will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

Furnishing and installing temporary or portable TMS elements and replacing TMS elements that are not shown on the plans nor identified during the pre-construction operational status check and were damaged by construction activities will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

If the Contractor is required to submit provisions for the replacement of TMS elements that were not identified, the provisions will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

10-3.04 CONDUIT

Conduit to be installed underground shall be Type 1 unless otherwise specified.

The conduit in a foundation and between a foundation and the nearest pull box shall be Type 1.

When a standard coupling cannot be used for joining Type 1 conduit, a UL-listed threaded union coupling conforming to the provisions in Section 86-2.05C, "Installation," of the Standard Specifications, or a concrete-tight split coupling, or concrete-tight set screw coupling shall be used.

After conductors have been installed, the ends of conduits terminating in pull boxes and controller cabinets shall be sealed with an approved type of sealing compound.

10-3.05 CONDUCTORS, CABLES, AND WIRING

Splices shall be insulated by "Method B."

Conductors and cables shall be secured to the projecting end of conduit in pull boxes to prevent pulling of cables.

10-3.06 SERVICE

ELECTRIC SERVICE (IRRIGATION)

Electric service (irrigation) shall be from the service points to the irrigation controllers (IC) and to the spaces provided in the irrigation controller enclosure cabinets (CEC) for irrigation controllers as shown on the plans.

Irrigation Controller (IC) "G" and "MA." Electric service (irrigation) shall be 120 V(ac) obtained from the existing pull box.

Electric service (irrigation) will be paid for on a lump sum basis.

The contract lump sum price paid for electric service (irrigation) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing electric service (irrigation) for irrigation controllers, complete in place, including conductors, conduit and pull boxes to the pull box adjacent to irrigation controller enclosure cabinets and irrigation controllers, as shown on the plans, as specified in these special provisions, and as directed by the Engineer.

**BID ITEM LIST
12-0F9204**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070013	SMALL BUSINESS UTILIZATION REPORT	EA	5	250.00	1,250.00
2	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
3	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
4	074028	TEMPORARY FIBER ROLL	LF	10,000		
5	074031	TEMPORARY GRAVEL BAG BERM	LF	400		
6	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	16		
7	074041	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
8	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS	LUMP SUM	LUMP SUM	
9	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
10	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
11	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
12	200002	ROADSIDE CLEARING	LS	LUMP SUM	LUMP SUM	
13	016835	REMOVE EXISTING TREES (TYPE 1)	EA	89		
14	016836	REMOVE EXISTING TREES (TYPE 2)	EA	68		
15	016837	REMOVE EXISTING TREES (TYPE 3)	EA	11		
16	016838	REMOVE EXISTING TREES (TYPE 4)	EA	88		
17	016839	REMOVE EXISTING TREES (TYPE 5)	EA	31		
18	016840	REMOVE EXISTING TREES (TYPE 6)	EA	2		
19	016841	PRUNE EXISTING TREES (TYPE 1)	EA	144		
20	016842	PRUNE EXISTING TREES (TYPE 2)	EA	367		

**BID ITEM LIST
12-0F9204**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	016843	PRUNE EXISTING TREES (TYPE 3)	EA	316		
22	016844	PRUNE EXISTING TREES (TYPE 4)	EA	348		
23	016845	PRUNE EXISTING TREES (TYPE 5)	EA	96		
24	016846	PRUNE EXISTING TREES (TYPE 6)	EA	89		
25	200114	ROCK BLANKET	SQYD	4,500		
26	202006	SOIL AMENDMENT	CY	210		
27	202011	MULCH	CY	700		
28	202031	COMMERCIAL FERTILIZER (SLOW RELEASE)	LB	4,450		
29	203018	EROSION CONTROL (NETTING)	SQYD	10,400		
30	204006	PLANT (GROUP F)	EA	155,300		
31	204008	PLANT (GROUP H)	EA	103,900		
32	204035	PLANT (GROUP A)	EA	10,780		
33	204036	PLANT (GROUP B)	EA	30		
34	204038	PLANT (GROUP U)	EA	730		
35	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
36	206560	CONTROL AND NEUTRAL CONDUCTORS	LS	LUMP SUM	LUMP SUM	
37	206602	1" ELECTRIC REMOTE CONTROL VALVE	EA	13		
38	206604	1 1/2" ELECTRIC REMOTE CONTROL VALVE	EA	36		
39	206605	2" ELECTRIC REMOTE CONTROL VALVE	EA	61		
40	206753	24 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	EA	3		

**BID ITEM LIST
12-0F9204**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	016847	48 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	EA	1		
42	016848	6" GALVANIZED STEEL PIPE (SUPPLY LINE)	LF	150		
43 (F)	208262	3/4" PLASTIC PIPE (PR 200) (SUPPLY LINE)	LF	39,445		
44 (F)	208263	1" PLASTIC PIPE (PR 200) (SUPPLY LINE)	LF	12,110		
45 (F)	208264	1 1/4" PLASTIC PIPE (PR 200) (SUPPLY LINE)	LF	790		
46 (F)	208265	1 1/2" PLASTIC PIPE (PR 200) (SUPPLY LINE)	LF	9,205		
47 (F)	208266	2" PLASTIC PIPE (PR 200) (SUPPLY LINE)	LF	15,325		
48	BLANK					
49	208461	SPRINKLER (TYPE A-1)	EA	60		
50	208462	SPRINKLER (TYPE A-2)	EA	53		
51	208463	SPRINKLER (TYPE A-3)	EA	36		
52	208465	SPRINKLER (TYPE A-5)	EA	170		
53	208466	SPRINKLER (TYPE A-6)	EA	210		
54	208467	SPRINKLER (TYPE A-7)	EA	145		
55	208468	SPRINKLER (TYPE A-8)	EA	120		
56	208473	SPRINKLER (TYPE B-3)	EA	184		
57	208480	SPRINKLER (TYPE C-2 MOD)	EA	1,109		
58	208483	SPRINKLER (TYPE C-3)	EA	700		
59	208560	FILTER ASSEMBLY UNIT	EA	3		
60	208588	3" GATE VALVE	EA	5		

**BID ITEM LIST
12-0F9204**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	208683	BALL VALVE	EA	20		
62	208739	10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	LF	280		
63	208809	10" WELDED STEEL PIPE CONDUIT (.250" THICK)	LF	60		
64	209202	RECYCLED WATER WARNING SIGNS	LS	LUMP SUM	LUMP SUM	
65	260201	CLASS 2 AGGREGATE BASE	CY	310		
66	394095	ROADSIDE PAVING (MISCELLANEOUS AREAS)	SQYD	560		
67	721810	SLOPE PAVING (CONCRETE)	CY	180		
68	731530	MINOR CONCRETE (TEXTURED PAVING)	SQFT	7,500		
69	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
70	BLANK					
71	204096	MAINTAIN EXISTING PLANTED AREAS	LS	LUMP SUM	LUMP SUM	
72	018708	6" REMOTE CONTROL VALVE	EA	1		
73	018709	36 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	EA	2		
74	208008	3" GALVANIZED STEEL PIPE (SUPPLY LINE)	LF	250		
75 (F)	208278	3" PLASTIC PIPE (PR 315) (SUPPLY LINE)	LF	5,780		
76 (F)	018710	6" C900 GASKETED PLASTIC PIPE (PR 200) (SUPPLY LINE)	LF	4,850		
77	208301	IRRIGATION CONTROLLER ENCLOSURE CABINET	EA	2		
78	018711	2" FLOW SENSOR	EA	2		
79	018712	6" FLOW SENSOR	EA	1		
80	208575	2" GATE VALVE	EA	1		

**BID ITEM LIST
12-0F9204**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	208590	6" GATE VALVE	EA	3		
82	018713	6" WYE STRAINER	EA	1		
83 (F)	208770	1 1/4" GALVANIZED STEEL PIPE (CONDUIT)	LF	220		
84 (F)	018714	2" GALVANIZED STEEL PIPE (CONDUIT)	LF	260		
85	860797	ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
86	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____

Bidder Name: _____

The bidder must identify each subcontractor performing work in an amount in excess of 1/2 of 1 percent of the total bid or \$10,000, whichever is greater (Pub Cont Code § 4100 et seq.). Complete columns 1 and 4 and submit with the bid. Complete columns 2 and 3 and submit with the bid or fax to (916) 227-6282 within 24 hours after the bid opening. Failure to provide complete information in columns 1 through 4 within the time specified will result in a non-responsive bid.

Column 1: Business Name and Location	Column 2: Bid Item No.(s)	Column 3: Percent of Bid Item Subcontracted	Column 4: Description of Subcontracted Work

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