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Addendum #2: Revisions and Questions/Answers
Construction Services for Bus Parking Yard in Paso Robles
September 7, 2017

Revisions:

Revision 1: The DBE Utilization and DBE Participation Schedule form must be submitted as part of your bid package. The following DBE documents must be submitted within five business days after the close of bidding:

1. A DBE Letter of Intent form (this form was included in Addendum #1) for each proposed DBE firm.
2. A revised DBE Affidavit of No Change (replacing the form that was included in Addendum #1) for each proposed DBE firm. The revised form is attached.
3. Documentation of Good Faith Effort if RTA's 5.1% DBE participation rate was not achieved in your bid.

Since bidding closes at 3:00 PM on September 11, all of this follow-up documentation must be emailed to gstraw@slorta.org by 3:00 PM on September 18. This revised direction replaces the answers to Questions 7, 8 and 9 in Addendum #1.

Revision 2: Replace "Roadside Sign W70 (CA)" on sheet PD-1 of The Plans with "Roadside Sign W2-3". All other specifications and provisions still apply.

Revision 3: Replace Title Page T-1 of the Project Plans with the attached signed version.

Revision 4: Both State and Federal requirements apply. The Contractor will need to pay the higher of the two rates for each trade working on the project. It is important to note that this project will be constructed using both State LCTOP and Federal Transit Administration funds.

Pursuant to section 1770 et seq. of the California Labor Code, the Contractor and all Subcontractors shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations and comply with all applicable Labor Code provisions, which include, but are not limited to the employment of apprentices, the hours of labor, and the debarment of Contractors and Subcontractors. The Director of the California Department of Industrial Relations determines the general prevailing wage rates. Copies are available at the RTA Offices or at the DIR website, <http://www.dir.ca.gov/DLSR/PWD>. The success bidder and all subcontractors must be registered with the DIR before the bid close date/time, and certified payrolls must be submitted as required by DIR.

The Regional Transit Authority is a Joint Powers Agency serving residents and visitors of:

Arroyo Grande Atascadero Grover Beach Morro Bay Paso Robles Pismo Beach San Luis Obispo and The County of San Luis Obispo

Federal funds are being used on this project, and therefore, the Davis-Bacon Act (2 CFR part 200 Appendix II(D) and 29 CFR Part 5) apply. The Federal minimum wage rates for this project as predetermined by the United States Secretary of Labor are set forth in the revised Special Provisions section of the contract documents. If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the prevailing wage rates determined to be applicable to this contract by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and Subcontractors shall pay not less than the higher wage rate. The Davis-Bacon Act also requires that workers are paid no less frequently than every week.

The Department of Labor wage rates and benefits are incorporated into a new 18-page "Section 7. US DOL WAGE DETERMINATION" section of the Special Provisions of the contract documents. The new Section 7 is attached, as is a revised Table of Contents. Both of these documents will be incorporated into the contract documents to be executed by the successful bidder.

Revision 5: The RTA has determined that the maximum liquidated damages per day should be lowered to \$500. This means Section 4-1.02 LIQUIDATED DAMAGES in the Special Provisions section of the contract will be amended to read:

"Attention is directed to Section 8-1.07, "Liquidated Damages," of the Standard Specifications and these Special Provisions.

It is agreed by the parties to the contract that in the case all the work called for under the contract in all parts and requirements is not finished or completed within the number of working days as set forth in these Special Provisions, damage will be sustained by the RTA, and that it is and will be impractical and extremely difficult to ascertain and determine the actual damage which the RTA will sustain in the event of and by reason of such delay; and it is therefore agreed that the Contractor will pay to the RTA the sum of FIVE HUNDRED DOLLARS (\$500.00) per day for each and every calendar days delay in finishing the work in excess of the number of working days prescribed above as liquidated and agreed damages; and the Contractor agrees to pay said liquidated damages herein provided for, and further agrees that the RTA may deduct the amount thereof from any moneys due or that may become due the Contractor under the contract."

Revision 6: The project is a Working Day contract and all references to "day(s)", "calendar day(s)" shall mean "working day(s)" as defined by the 2006 Caltrans Standard Specifications.

Questions/Answers

Q1: Are the Meter Main and Panel LA in the same enclosure? I don't see a separate location for the meter main on the drawings.

A1: *Yes, the Meter/Main and Panel LA can be in the same enclosure.*

Q2: Will a PG&E handout be issued for this project?

A2: *Yes, PG&E handout drawings will be issued and are anticipated to be ready in September.*

Q3: Has a construction SWPPP waiver been granted for the project?

A3: *Yes, an erosivity waiver was granted by the State Water Resources Control Board on August 22nd (application number 489924, WDID: 3 40W0003380). The waiver is valid through 11/15/17. If less than 70% of the area is paved by this date, then a SWPPP will need to be prepared by the RTA and implemented by the Contractor.*

Q4: Is DBE participation project-specific?

A4: *No project-specific goal has been identified for this project (the 5.1% DBE goal is overall goal for the RTA).*

Q5: Will the Wallace Group be inspecting the site during construction?

A5: *Yes, the Wallace Group will be performing on-site inspections during construction and assisting the RTA with contract administration (i.e., assistance with Change Order reviews).*

Q6: Is the use of recycled base acceptable?

A6: *Use of Recycled Aggregate Base is acceptable and shall comply with the 2006 Caltrans Standard Specifications Section 26 – Aggregate Bases.*

26-1.02A

General

Aggregate for Class 2 and Class 3 AB must be clean and consist of any combination of the following:

1. Broken stone
2. Crushed gravel
3. Natural rough surfaced gravel
4. Sand
5. Processed reclaimed asphalt concrete, PCC, LCB, or CTB

Q7: What are the City of Paso Robles oak tree pruning and permitting requirements?

A7: *Refer to the attached City of Paso Robles permit application. Additional information can be found on the City's website as shown at the bottom of the permit application.*

Q8: Does the contactor maintain security during the project?

A8: *Yes, for the contractor is responsible for the security of its own assets and any improvements completed during construction. In addition, the contractor is responsible for maintaining fencing and lockable gates so that County assets remain secured.*

Q9: Can the paving base be driven on?

A9: *The contractor is responsible for maintaining the integrity of the subgrade and geosynthetic materials prior to paving. Before paving, the base and all structural underlying layers must meet the Standard Specifications and all applicable provisions of the contract documents.*

Q10: What is the lead-time on the production of the modular building and other long lead-time items?

A10: *Anticipate 90 to 120 days for delivery of the building.*

Q11: Can a field office be set up on-site, and if so, where?

A11: *Space is limited and no provisions have been made for a field office (trailer) on this project.*

Q12: Can our proposal be submitted electronically?

A12: *Yes, electronic submittals can be emailed to gstraw@slorta.org by the 3:00 PM deadline on September 11, 2017. The subject line for the email should be "Bid for RTA Bus Parking Yard in Paso Robles, Contract 1705". However, the submittal size shall not exceed 10 megabytes, and the RTA is not responsible for non-delivery due to a bidder misspelling the email address or other problem not caused by the RTA.*

Q13: Is construction staging permitted in the Caltrans right-of-way or on the County property to the north of the project limits?

A13: *No, all construction staging must occur within the project limits.*

Q14: Can we work on the job at night if we choose to avoid the traffic in and out of the corporate yard?

A14: *No, the noise-related environmental mitigations to which the RTA agreed to abide requires that construction activities are limited to 7:00 AM to 7:00 PM Monday through Friday. Per Section 12 of the Special Provisions, no construction activities shall take place outside of those weekday hours, nor on weekends.*

Q15: Page A-37 Item 'a' asks for "documented communication with the Deputy Director who serves as the RTA's DBE Coordinator" to demonstrate a Good Faith Effort. I see Tania Arnold listed on the RTA website as the Deputy Director and DBE coordinator. Would an email inquiry to Tania serve to fulfill the 'direct communication' requirement or is something else required to meet item 'a' on page A-37?

A15: *There is not a prescribed set of actions that are required; the RTA will be looking for a demonstration that DBE firms were fully considered in developing your bid if your firm is unable to achieve RTA's 5.1% DBE goal.*

Q16 Is a Soils Report available?

A16: *Yes, the Soils Report is attached with this Addendum #2.*

Q17: I have a question about the "Buy America Form." Can you please clarify what it means? Does it mean that 100% of the material used to build the job is made in America?

A17: *Because Federal funds will be used for this project, Buy America requirements apply. The Buy America provision covers the procurement of steel, iron or manufactured products.*

Q18: Page A-29 - Buy America Clause. Has a waiver been granted by FTA, or is this project subject to the "Buy America Clause" Article 17? (This would affect Fencing, Modular Building, light poles, etc.)

A18: *No Buy America waiver has been sought or granted for this project. Each bidder must submit the Buy America Form included on page A-30 as part the bid package.*

Q19: Will you send me a copy of the Paso Bus Parking Lot job walk sign in sheet, and a plan holders list for the job please?

A19: *See the attached two-page scan of the Sign-In List for Pre-Bid Meeting. Attached is also an updated Bidders List; we are unsure if other firms have also downloaded the bidding documents from the RTA or SLO Builders Exchange websites.*

Q20: Bid Item #10 Clear & Grubb/Tree Trimming and 10.1 Clearing and Grubbing – Q: It will be difficult to define the scope of tree trimming required prior to survey, suggestion would be to have all bidders include a set \$ allowance in the Bid Item for Tree Trimming. Please consider.

A20: *Contractors should bid the work as indicated in the contract documents.*

Q21: Sheet GN-1 General Note 8. Please clarify which permits and dollar value of the permits are the responsibility of the Contractor.

A21: *A City of Paso Robles encroachment permit is required for installation of the roadside sign on Paso Robles Street (see attached. The fee is about \$170).*

- *No County encroachment permit required since there is no work within their right of way.*
- *The Caltrans encroachment permit is required and RTA is processing a permit request with Caltrans at no cost to the Contractor.*
- *The State Water Resources Control Board general permit for storm water discharge will be provided by RTA (See Q5).*
- *All other permits and applicable fees required to perform the work will be provided by the Contractor.*

Q22: Does the Caltrans permit require any fees from the contractor. If so how much?

A22: *No, see the answers to the question above.*

Q23: Testing: Who is responsible for Testing (compaction, concrete, etc)?

A23: *The Contractor is responsible for QC testing and development of the Quality Control Plan. The Owner will be responsible for QA testing.*

Q24: Is Construction water available in suitable quantities for our use onsite?

A24: *No water is available for use onsite.*

Q25: Will the contractor have to pick up or apply for a double permit with Caltrans?

A25: *No.*

Q26: Does the contractor need to pull an encroachment permit and pay a fee for to install the traffic warning sign on Paso Robles Street?

A26: *The contractor will need to obtain a City of Paso Robles permit for the installation of the traffic warning sign. The application is on the City's website. The contractor will also will need to include a traffic control plan as part of their signed permit application. The fee is about \$170.*

Attachments:

1. Title Page T-1 of the Project Plans (revised)
2. Section 7. US DOL WAGE DETERMINATION (new)
3. Table of Contents (revised)
4. DBE Affidavit of No Change (revised)
5. City of Paso Robles Encroachment Permit Application (new)
6. City of Paso Robles Oak Tree – Permit to Prune Application (new)
7. Geotechnical Engineering Report and Infiltration Testing report (new)
8. Scan of Sign-In List for Pre-Bid Meeting (new)
9. Bidders List (updated)

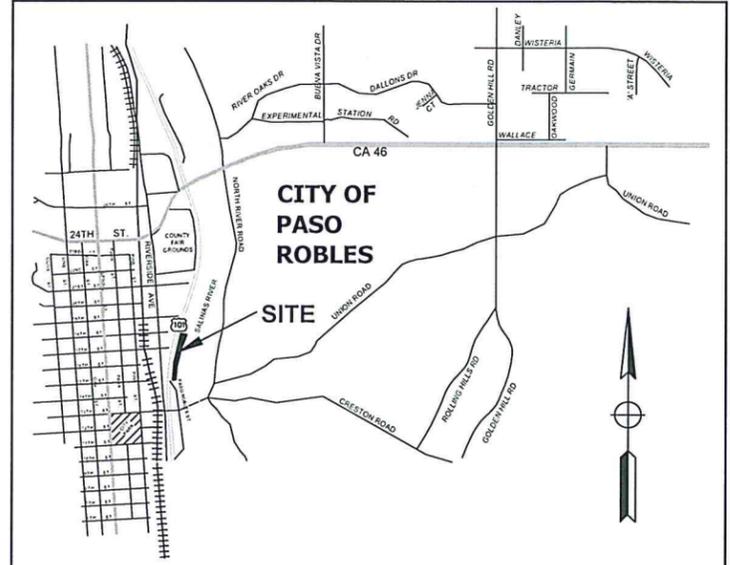
Attachment 1. Title Page T-1 of the Project Plans

SHEET No.	SHEET ID	DESCRIPTION
1	T-1	TITLE SHEET
2	GN-1	GENERAL NOTES
3	PC-1	PROJECT CONTROL PLAN
4	L-1	LAYOUT
5	G-1	GRADING AND DRAINAGE PLAN
6	C-1	CONSTRUCTION DETAILS
7	C-2	CONSTRUCTION DETAILS
8	WPC-1	WATER POLLUTION CONTROL PLAN
9	WPC-2	WATER POLLUTION CONTROL DETAILS
10	U-1	UTILITY PLAN
11	U-2	UTILITY DETAILS
12	F-1	FENCING PLAN
13	F-2	FENCING DETAILS
14	PD-1	PAVEMENT DELINEATION AND SIGNAGE PLAN
15	PD-2	PAVEMENT DELINEATION AND SIGNAGE DETAILS
16	PP-1	PLANTING PLAN
17	PP-2	PLANTING NOTES & DETAILS
18	IP-1	IRRIGATION PLAN
19	IP-2	IRRIGATION NOTES, DETAILS & SCHEDULE
20	IP-3	IRRIGATION DETAILS
21	E-1	ELECTRICAL NOTES/LEGEND AND ABBREVIATIONS
22	E-2	SITE LIGHTING PLAN
23	E-3	SITE LIGHTING PHOTOMETRIC PLAN
24	E-4	SINGLE LINE DIAGRAM AND PANEL SCHEDULE
25	E-5	ELECTRICAL DETAILS
26	A-1	OVERALL SITE PLAN AND NOTES
27	A-2	ENLARGED SITE PLAN
28	A-3	BUILDING FLOOR PLAN
29	A-4	INTERIOR ELEVATIONS

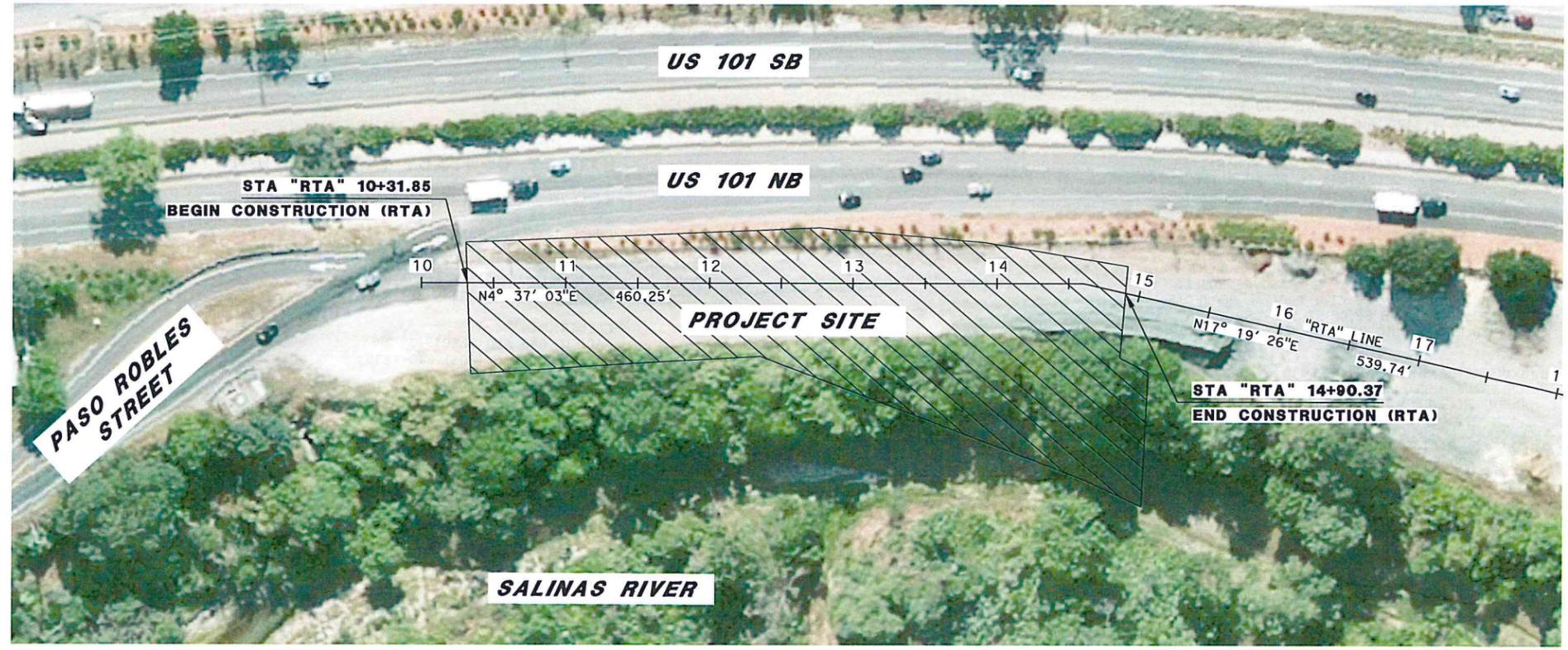
**SAN LUIS OBISPO
REGIONAL TRANSIT AUTHORITY**

**PROJECT PLANS FOR CONSTRUCTION OF THE
PASO ROBLES BUS PARKING YARD**

IN SAN LUIS OBISPO COUNTY
IN THE CITY OF PASO ROBLES
ON THE NORTHERN MOST END OF PASO ROBLES STREET
TO BE SUPPLEMENTED BY STATE OF CALIFORNIA STANDARD PLANS DATED 2015



VICINITY MAP
NTS



LOCATION MAP
NTS

ACCEPTED BY:

[Signature] 8-14-17
RTA PROJECT MANAGER DATE

[Signature] 8/25/17
CITY OF PASO ROBLES DATE

[Signature] 8/25/17
COUNTY OF SAN LUIS OBISPO DATE

FILE NAME: 1307-0002-T1.dwg 8/28/2017 9:10 AM

SAN LUIS OBISPO REGIONAL TRANSIT AUTHORITY
179 CROSS STREET, SUITE A
SAN LUIS OBISPO, CA 93401

SCALE: HORIZ N/A
VERT N/A
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE

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PROJECT MANAGER _____

PLANS APPROVAL DATE _____

RTA PASO ROBLES BUS YARD

TITLE SHEET

T-1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
EB	WBH	BHJ	1307-0002	1	29
DISREGARD PRINTS BEARING EARLIER REVISION DATE			REVISION DATES (PRELIMINARY STAGE ONLY)		

Attachment 2. Section 7. US DOL WAGE DETERMINATION

**SECTION 7. US DEPARTMENT OF LABOR WAGE DETERMINATION
FOR RTA BUS PARKING YARD IN PASO ROBLES PROJECT**

General Decision Number: CA170019 08/04/2017 CA19

Superseded General Decision Number: CA20160019

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

County: San Luis Obispo County in California.

BUILDING, DREDGING (does not include hopper dredge work), HEAVY (does not include water well drilling, AND HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	01/20/2017
2	01/27/2017
3	02/17/2017
4	03/10/2017
5	04/07/2017
6	04/21/2017
7	05/12/2017
8	05/26/2017
9	06/02/2017
10	07/07/2017
11	07/14/2017
12	07/28/2017
13	08/04/2017

ASBE0005-002 07/04/2016

Rates Fringes

Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings, and finishes to all types of mechanical systems).....\$ 38.37 20.13

Fire Stop Technician (Application of Firestopping Materials for wall openings and penetrations in walls, floors, ceilings and curtain walls).....\$ 26.15 17.31

ASBE0005-004 07/04/2016

Rates Fringes

Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)....\$ 18.38 10.82

BOIL0092-004 10/01/2012

Area within a 25 mile radius of City of Santa Maria

	Rates	Fringes
BOILERMAKER.....	\$ 41.17	28.27

BOIL0549-007 10/01/2016

Remainder of County outside a 25 mile radius of City of Santa Maria

	Rates	Fringes
BOILERMAKER.....	\$ 39.68	35.71

* BRCA0004-006 05/01/2017

	Rates	Fringes
BRICKLAYER; MARBLE SETTER.....	\$ 38.69	14.45

*The wage scale for prevailing wage projects performed in Blythe, China lake, Death Valley, Fort Irwin, Twenty-Nine Palms, Needles and 1-15 corridor (Barstow to the Nevada State Line) will be Three Dollars (\$3.00) above the standard San Bernardino/Riverside County hourly wage rate

BRCA0018-008 06/01/2016

	Rates	Fringes
MARBLE FINISHER.....	\$ 29.20	12.93
TILE FINISHER.....	\$ 24.53	4.19

BRCA0018-011 06/01/2016

	Rates	Fringes
TILE LAYER.....	\$ 35.89	16.24

CARP0409-001 07/01/2016

	Rates	Fringes
CARPENTER		
(1) Carpenter, Cabinet Installer, Insulation Installer, Hardwood Floor Worker and acoustical installer.....	\$ 39.83	15.50
(2) Millwright.....	\$ 40.90	15.50
(3) Piledrivermen/Derrick Bargeman, Bridge or Dock Carpenter, Heavy Framer, Rock Bargeman or Scowman, Rockslinger, Shingler (Commercial).....	\$ 40.53	15.50
(4) Pneumatic Nailer, Power Stapler.....	\$ 40.09	15.50
(5) Sawfiler.....	\$ 39.83	15.50
(6) Scaffold Builder.....	\$ 31.60	15.50
(7) Table Power Saw Operator.....	\$ 40.93	15.50

FOOTNOTE: Work of forming in the construction of open cut sewers or storm drains, on operations in which horizontal lagging is used in conjunction with steel H-Beams driven or placed in pre- drilled holes, for that portion of a lagged trench against which concrete is poured, namely, as a substitute for back forms (which work is performed by piledrivers): \$0.13 per hour additional.

CARP0409-005 07/01/2015

	Rates	Fringes
Drywall		
DRYWALL INSTALLER/LATHER....	\$ 40.40	15.03
STOCKER/SCRAPPER.....	\$ 10.00	7.17

CARP0409-008 08/01/2010

	Rates	Fringes
Modular Furniture Installer.....	\$ 17.00	7.41

ELEC0639-001 01/01/2017

	Rates	Fringes
Electricians		
Wireman/Technician.....	\$ 41.00	20.01

FOOTNOTES:

CABLE SPLICER: 10% additional per hour above Wireman/Technician basic hourly rate.

Work from trusses, swinging scaffolds, open ladders, scaffolds, bosun chairs, stacks or towers, where subject to a direct fall from the ground floor or support structure from a distance of fifty (50) feet to ninety (90) feet: to be paid time and one-half. Work from trusses, swinging scaffolds, open ladders, scaffolds, bosun chairs, stacks or towers, where subject to a direct fall from the ground floor or support structure from a distance over ninety (90) feet: to be paid double the regular straight time rate of pay.

Where workers are required to work under compressed air or in areas where injurious gases, dust or fumes are present in amounts necessitating the use of gas masks or self-contained breathing apparatus (particle masks are not considered self-contained breathing apparatus) or where workers work on poles at a distance of seventy-five (75) feet or more from the ground: to be paid a bonus of straight time pay. This shall be at a minimum of one hour, and thereafter, each succeeding hour or fraction thereof shall constitute an hour at the bonus rate.

Tunnel work: to be paid at the time and one-quarter hourly rate.

All employers may request workmen to report direct to a job within a free zone to include everything west of ten (10) miles east of Highway 101, as the crow flies, and then (10) miles north and south of Highway 46, as the crow flies, to the junction of Highway 41 and Highway 46. Everything outside this area shall be paid at full subsistence provide said job is of five (5) days duration or more and provide there is storage on the job for the Employee's tools. The Employer will be responsible for loss of tools under such circumstances. (Road: The most direct route on a surfaced road).

On all jobs or projects outside the free zone, as stated above, Employees may be required to report to the job site in their own transportation at the regular starting time and remain on the job site until the regular quitting time and these shall be paid at fifty dollars (\$50.00) per day or fifty-one cents (\$0.51) per mile for each road mile from shop to job and job to shop (round trip). (Day worked shall mean at least four (4) hours on the job unless sent home on account of weather, emergency, sickness, or injury).

The Employer shall pay for traveling time and furnish transportation from shop to job, job to job, and job to shop. Travel time shall be at the appropriate rate of pay for that day of the week. (Monday through Friday, straight time, Saturday and Sunday, double time.)

ELEC0639-003 12/26/2016

COMMUNICATIONS AND SYSTEMS WORK

SAN LUIS OBISPO COUNTY

	Rates	Fringes
Communications System		
Installer.....	\$ 32.50	11.66
Technician.....	\$ 30.89	11.66

SCOPE OF WORK: Installation, testing, service and maintenance of systems utilizing the transmission and/or transference of voice, sound, vision and digital for commercial, educational, security and entertainment purposes for the following: TV monitoring and surveillance, background - foreground music, intercom and telephone interconnect, microwave transmission, multi-media, multiplex, nurse call systems, radio page, burglar alarms and fire alarm (see last paragraph below).

Communication Systems that transmit or receive information and/or control systems that are intrinsic to the above listed systems; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding all other data systems or multiple systems which include control function or power supply; excluding installation of raceway systems, conduit systems, line voltage work, and energy management systems.

Fire alarm work shall be performed at the current inside electrician total cost package.

 * ELEC1245-001 06/01/2017

	Rates	Fringes
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LINE CONSTRUCTION

(1) Lineman; Cable splicer..	\$ 55.49	3%+17.65
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 44.32	3%+17.65
(3) Groundman.....	\$ 33.89	3%+17.65
(4) Powderman.....	\$ 49.55	3%+17.65

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

 ELEV0008-003 01/01/2017

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 63.44	31.585

FOOTNOTE:

PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.

PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

 ENGI0012-003 07/01/2016

	Rates	Fringes
OPERATOR: Power Equipment (All Other Work)		
GROUP 1.....	\$ 39.95	23.35
GROUP 2.....	\$ 40.73	23.35

GROUP 3.....	\$ 41.02	23.35
GROUP 4.....	\$ 42.51	23.35
GROUP 5.....	\$ 41.86	23.35
GROUP 6.....	\$ 41.83	23.35
GROUP 8.....	\$ 42.84	23.35
GROUP 9.....	\$ 42.19	23.35
GROUP 10.....	\$ 42.96	23.35
GROUP 11.....	\$ 42.31	23.35
GROUP 12.....	\$ 43.13	23.35
GROUP 13.....	\$ 43.23	23.35
GROUP 14.....	\$ 43.26	23.35
GROUP 15.....	\$ 43.34	23.35
GROUP 16.....	\$ 43.46	23.35
GROUP 17.....	\$ 43.63	23.35
GROUP 18.....	\$ 43.73	23.35
GROUP 19.....	\$ 43.84	23.35
GROUP 20.....	\$ 43.96	23.35
GROUP 21.....	\$ 44.13	23.35
GROUP 22.....	\$ 44.23	23.35
GROUP 23.....	\$ 44.34	23.35
GROUP 24.....	\$ 44.46	23.35
GROUP 25.....	\$ 44.63	23.35
OPERATOR: Power Equipment (Cranes, Piledriving & Hoisting)		
GROUP 1.....	\$ 43.20	22.15
GROUP 2.....	\$ 43.98	22.15
GROUP 3.....	\$ 44.27	22.15
GROUP 4.....	\$ 44.41	22.15
GROUP 5.....	\$ 44.63	22.15
GROUP 6.....	\$ 44.74	22.15
GROUP 7.....	\$ 44.86	22.15
GROUP 8.....	\$ 45.03	22.15
GROUP 9.....	\$ 45.20	22.15
GROUP 10.....	\$ 46.20	22.15
GROUP 11.....	\$ 47.20	22.15
GROUP 12.....	\$ 48.20	22.15
GROUP 13.....	\$ 49.20	22.15
OPERATOR: Power Equipment (Tunnel Work)		
GROUP 1.....	\$ 41.80	23.35
GROUP 2.....	\$ 42.58	23.35
GROUP 3.....	\$ 42.87	23.35
GROUP 4.....	\$ 43.01	23.35
GROUP 5.....	\$ 43.23	23.35
GROUP 6.....	\$ 43.34	23.35
GROUP 7.....	\$ 43.46	23.35

PREMIUM PAY:

\$3.75 per hour shall be paid on all Power Equipment Operator work on the following Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton

Workers required to suit up and work in a hazardous material environment: \$2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.

SEE ZONE DEFINITIONS AFTER CLASSIFICATIONS

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bargeman; Brakeman; Compressor operator; Ditch Witch, with seat or similar type equipment; Elevator operator-inside; Engineer Oiler; Forklift operator (includes loed, lull or similar types under 5 tons; Generator operator; Generator, pump or compressor plant operator; Pump operator; Signalman; Switchman

GROUP 2: Asphalt-rubber plant operator (nurse tank operator); Concrete mixer operator-skip type; Conveyor operator; Fireman; Forklift operator (includes loed, lull or similar types over 5 tons; Hydrostatic pump operator; oiler crusher (asphalt or concrete plant); Petromat laydown machine; PJU side dum jack; Screening and conveyor machine operator (or similar types); Skiploader (wheel type up to 3/4 yd. without attachment); Tar pot fireman; Temporary heating plant operator; Trenching machine oiler

GROUP 3: Asphalt-rubber blend operator; Bobcat or similar type (Skid steer); Equipment greaser (rack); Ford Ferguson (with dragtype attachments); Helicopter radioman (ground); Stationary pipe wrapping and cleaning machine operator

GROUP 4: Asphalt plant fireman; Backhoe operator (mini-max or similar type); Boring machine operator; Boxman or mixerman (asphalt or concrete); Chip spreading machine operator; Concrete cleaning decontamination machine operator; Concrete Pump Operator (small portable); Drilling machine operator, small auger types (Texoma super economic or similar types - Hughes 100 or 200 or similar types - drilling depth of 30' maximum); Equipment greaser (grease truck); Guard rail post driver operator; Highline cableway signalman; Hydra-hammer-aero stomper; Micro Tunneling (above ground tunnel); Power concrete curing machine operator; Power concrete saw operator; Power-driven jumbo form setter operator; Power sweeper operator; Rock Wheel Saw/Trencher; Roller operator (compacting); Screed operator (asphalt or concrete); Trenching machine operator (up to 6 ft.); Vacuum or much truck

GROUP 5: Equipment Greaser (Grease Truck/Multi Shift).

GROUP 6: Articulating material hauler; Asphalt plant engineer; Batch plant operator; Bit sharpener; Concrete joint machine operator (canal and similar type); Concrete planer operator; Dandy digger; Deck engine operator; Derrickman (oilfield type); Drilling machine operator, bucket or auger types (Calweld 100 bucket or similar types - Watson 1000 auger or similar types - Texoma 330, 500 or 600 auger or similar types - drilling depth of 45' maximum); Drilling machine operator; Hydrographic seeder machine operator (straw, pulp or seed), Jackson track maintainer, or similar type; Kalamazoo Switch tamper, or similar type; Machine tool operator; Maginnis internal full slab vibrator, Mechanical berm, curb or gutter(concrete or asphalt); Mechanical finisher operator (concrete, Clary-Johnson-Bidwell or similar); Micro tunnel system (below ground); Pavement breaker operator (truck mounted); Road oil mixing machine operator; Roller operator (asphalt or finish), rubber-tired earth moving equipment (single engine, up to and including 25 yds. struck); Self-propelled tar pipelining machine operator; Skiploader operator (crawler and wheel type, over 3/4 yd. and up to and including 1-1/2 yds.); Slip form pump operator (power driven hydraulic lifting device for concrete forms); Tractor operator-bulldozer, tamper-scraper (single engine, up to 100 h.p. flywheel and similar types, up to and including D-5 and similar types); Tugger hoist operator (1 drum); Ultra high pressure waterjet cutting tool system operator; Vacuum blasting machine operator

GROUP 8: Asphalt or concrete spreading operator (tamping or finishing); Asphalt paving machine operator (Barber Greene or similar type); Asphalt-rubber distribution operator; Backhoe operator (up to and including 3/4 yd.), small ford, Case or similar; Cast-in-place pipe laying machine operator; Combination mixer and compressor operator (gunite work); Compactor operator (self-propelled); Concrete mixer operator (paving); Crushing plant operator; Drill Doctor; Drilling machine operator, Bucket or auger types (Calweld 150 bucket or similar types - Watson 1500, 2000 2500 auger or similar types - Texoma 700, 800 auger or similar types - drilling depth of 60' maximum); Elevating grader operator; Grade checker; Gradall operator; Grouting machine operator; Heavy-duty repairman; Heavy equipment robotics operator; Kalamazoo balliste regulator or similar type; Kolman belt loader and similar type; Le Tourneau blob compactor or similar type; Loader operator (Athey, Euclid, Sierra and similar types); Mobark Chipper or similar; Ozzie padder or similar types; P.C. slot saw; Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pumpcrete gun operator; Rock Drill or similar types; Rotary drill operator (excluding caisson type); Rubber-tired earth-moving equipment operator (single engine, caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator (multiple engine up to and including 25 yds. struck); Rubber-tired scraper operator (self-loading paddle wheel type-John Deere, 1040 and similar single unit); Self-propelled curb and gutter machine operator; Shuttle buggy; Skiploader operator (crawler and wheel type over 1-1/2 yds. up to and including 6-1/2 yds.); Soil remediation plant operator; Surface heaters and planer operator; Tractor compressor drill combination operator; Tractor operator (any type larger than D-5 - 100 flywheel h.p. and over, or similar-bulldozer, tamper, scraper and push tractor single engine); Tractor operator (boom attachments), Traveling pipe wrapping, cleaning and bending machine operator; Trenching machine operator (over 6 ft. depth capacity, manufacturer's rating); trenching Machine with Road Miner attachment (over 6 ft depth capacity); Ultra high pressure waterjet cutting tool system mechanic; Water pull (compaction) operator

GROUP 9: Heavy Duty Repairman

GROUP 10: Drilling machine operator, Bucket or auger types (Calweld 200 B bucket or similar types-Watson 3000 or 5000 auger or similar types-Texoma 900 auger or similar types-drilling depth of 105' maximum); Dual drum mixer, dynamic compactor LDC350 (or similar types); Monorail locomotive operator (diesel, gas or electric); Motor patrol-blade operator (single engine); Multiple engine tractor operator (Euclid and similar type-except Quad 9 cat.); Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Pneumatic pipe ramming tool and similar types; Prestressed wrapping machine operator; Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Rubber tired earth moving equipment operator (multiple engine, Euclid, caterpillar and similar over 25 yds. and up to 50 yds. struck), Tower crane repairman; Tractor loader operator (crawler and wheel type over 6-1/2 yds.); Woods mixer operator (and similar Pugmill equipment)

GROUP 11: Heavy Duty Repairman - Welder Combination, Welder - Certified.

GROUP 12: Auto grader operator; Automatic slip form operator; Drilling machine operator, bucket or auger types (Calweld, auger 200 CA or similar types - Watson, auger 6000 or similar types - Hughes Super Duty, auger 200 or similar types - drilling depth of 175' maximum); Hoe ram or similar with compressor; Mass excavator operator less tha 750 cu. yards; Mechanical finishing machine operator; Mobile form traveler operator; Motor patrol operator (multi-engine); Pipe mobile machine operator; Rubber-tired earth- moving equipment operator (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck); Rubber-tired self- loading scraper operator (paddle-wheel-auger type self-loading - two (2) or more units)

GROUP 13: Rubber-tired earth-moving equipment operator operating equipment with push-pull system (single engine, up to and including 25 yds. struck)

GROUP 14: Canal liner operator; Canal trimmer operator; Remote- control earth-moving equipment operator (operating a second piece of equipment: \$1.00 per hour additional); Wheel excavator operator (over 750 cu. yds.)

GROUP 15: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine- up to and including 25 yds. struck)

GROUP 16: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 17: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 50 cu. yds. struck); Tandem tractor operator (operating crawler type tractors in tandem - Quad 9 and similar type)

GROUP 18: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, up to and including 25 yds. struck)

GROUP 19: Rotex concrete belt operator (or similar types); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, up to and including 25 yds. struck)

GROUP 20: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps, and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 21: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

GROUP 22: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, up to and including 25 yds. struck)

GROUP 23: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating with the tandem push-pull system (multiple engine, up to and including 25 yds. struck)

GROUP 24: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 25: Concrete pump operator-truck mounted; Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

CRANES, PILEDIVING AND HOISTING EQUIPMENT CLASSIFICATIONS

GROUP 1: Engineer oiler; Fork lift operator (includes loed, lull or similar types)

GROUP 2: Truck crane oiler

GROUP 3: A-frame or winch truck operator; Ross carrier operator (jobsite)

GROUP 4: Bridge-type unloader and turntable operator; Helicopter hoist operator

GROUP 5: Hydraulic boom truck; Stinger crane (Austin-Western or similar type); Tugger hoist operator (1 drum)

GROUP 6: Bridge crane operator; Cretor crane operator; Hoist operator (Chicago boom and similar type); Lift mobile operator; Lift slab machine operator (Vagtborg and similar types); Material hoist and/or manlift operator; Polar gantry crane operator; Self Climbing scaffold (or similar type); Shovel, backhoe, dragline, clamshell operator (over 3/4 yd. and up to 5 cu. yds. mrc); Tugger hoist operator

GROUP 7: Pedestal crane operator; Shovel, backhoe, dragline, clamshell operator (over 5 cu. yds. mrc); Tower crane repair; Tugger hoist operator (3 drum)

GROUP 8: Crane operator (up to and including 25 ton capacity); Crawler transporter operator; Derrick barge operator (up to and including 25 ton capacity); Hoist operator, stiff legs, Guy derrick or similar type (up to and including 25 ton capacity); Shovel, backhoe, dragline, clamshell operator (over 7 cu. yds., M.R.C.)

GROUP 9: Crane operator (over 25 tons and up to and including 50 tons mrc); Derrick barge operator (over 25 tons up to and including 50 tons mrc); Highline cableway operator; Hoist operator, stiff legs, Guy derrick or similar type (over 25 tons up to and including 50 tons mrc); K-crane operator; Polar crane operator; Self erecting tower crane operator maximum lifting capacity ten tons

GROUP 10: Crane operator (over 50 tons and up to and including 100 tons mrc); Derrick barge operator (over 50 tons up to and including 100 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 50 tons up to and including 100 tons mrc), Mobile tower crane operator (over 50 tons, up to and including 100 tons M.R.C.); Tower crane operator and tower gantry

GROUP 11: Crane operator (over 100 tons and up to and including 200 tons mrc); Derrick barge operator (over 100 tons up to and including 200 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 100 tons up to and including 200 tons mrc); Mobile tower crane operator (over 100 tons up to and including 200 tons mrc)

GROUP 12: Crane operator (over 200 tons up to and including 300 tons mrc); Derrick barge operator (over 200 tons up to and including 300 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 200 tons, up to and including 300 tons mrc); Mobile tower crane operator (over 200 tons, up to and including 300 tons mrc)

GROUP 13: Crane operator (over 300 tons); Derrick barge operator (over 300 tons); Helicopter pilot; Hoist operator, stiff legs, Guy derrick or similar type (over 300 tons); Mobile tower crane operator (over 300 tons)

TUNNEL CLASSIFICATIONS

GROUP 1: Skiploader (wheel type up to 3/4 yd. without attachment)

GROUP 2: Power-driven jumbo form setter operator

GROUP 3: Dinkey locomotive or motorperson (up to and including 10 tons)

GROUP 4: Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons)

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading shield (tunnel); Pumpcrete gun operator; Tractor compressor drill combination operator; Tugger hoist operator (2 drum); Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy Duty Repairman

GROUP 7: Tunnel mole boring machine operator

ENGINEERS ZONES

\$1.00 additional per hour for all of IMPERIAL County and the portions of KERN, RIVERSIDE & SAN BERNARDINO Counties as defined below:

That area within the following Boundary: Begin in San Bernardino County, approximately 3 miles NE of the intersection of I-15 and the California State line at that point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Continue W in a straight line to that point which is the SW corner of the northwest quarter of Section 6, T27S, R42E, Mt. Diablo Meridian. Continue North to the intersection with the Inyo County Boundary at that point which is the NE corner of the western half of the northern quarter of Section 6, T25S, R42E, MDM. Continue W along the Inyo and San Bernardino County boundary until the intersection with Kern County, at that point which is the SE corner of Section 34, T24S, R40E, MDM. Continue W along the Inyo and Kern County boundary until the intersection with Tulare County, at that point which is the SW corner of the SE quarter of Section 32, T24S, R37E, MDM. Continue W along the Kern and Tulare County boundary, until that point which is the NW corner of T25S, R32E, MDM. Continue S following R32E lines to the NW corner of T31S, R32E, MDM. Continue W to the NW corner of T31S, R31E, MDM. Continue S to the SW corner of T32S, R31E, MDM. Continue W to SW corner of SE quarter of Section 34, T32S, R30E, MDM. Continue S to SW corner of T11N, R17W, SBM. Continue E along south boundary of T11N, SBM to SW corner of T11N, R7W, SBM. Continue S to SW corner of T9N, R7W, SBM. Continue E along south boundary of T9N, SBM to SW corner of T9N, R1E, SBM. Continue S along west boundary of R1E, SBM to Riverside County line at the SW corner of T1S, R1E, SBM. Continue E along south boundary of T1s, SBM (Riverside County Line) to SW corner of T1S, R10E, SBM. Continue S along west boundary of R10E, SBM to Imperial County line at the SW corner of T8S, R10E, SBM. Continue W along Imperial and Riverside county line to NW corner of T9S, R9E, SBM. Continue S along the boundary between Imperial and San Diego Counties, along the west edge of R9E, SBM to the south boundary of Imperial County/California state line. Follow the California state line west to Arizona state line, then north to Nevada state line, then continuing NW back to start at the point which is the NW corner of Section 1, T17N, R14E, SBM

\$1.00 additional per hour for portions of SAN LUIS OBISPO, KERN, SANTA BARBARA & VENTURA as defined below:

That area within the following Boundary: Begin approximately 5 miles north of the community of Cholame, on the Monterey County and San Luis Obispo County boundary at the NW corner of T25S, R16E, Mt. Diablo Meridian. Continue south along the west side of R16E to the SW corner of T30S, R16E, MDM. Continue E to SW corner of T30S, R17E, MDM. Continue S to SW corner of T31S, R17E, MDM. Continue E to SW corner of T31S, R18E, MDM. Continue S along West side of R18E, MDM as it crosses into San Bernardino Meridian numbering area and becomes R30W. Follow the west side of R30W, SBM to the SW corner of T9N, R30W, SBM. Continue E along the south edge of T9N, SBM to the Santa Barbara County and Ventura County boundary at that point which is the SW corner of Section 34, T9N, R24W, SBM, continue S along the Ventura County line to that point which is the SW corner of the SE quarter of Section 32, T7N, R24W, SBM. Continue E along the south edge of T7N, SBM to the SE corner to T7N, R21W, SBM. Continue N along East side of R21W, SBM to Ventura County and Kern County boundary at the NE corner of T8N, R21W. Continue W along the Ventura County and Kern County boundary to the SE corner of T9N, R21W. Continue North along the East edge of R21W, SBM to the NE corner of T12N, R21W, SBM. Continue West along the north edge of T12N, SBM to the SE corner of T32S, R21E, MDM. [T12N SBM is a thin strip between T11N SBM and T32S MDM]. Continue North along

the East side of R21E, MDM to the Kings County and Kern County border at the NE corner of T25S, R21E, MDM, continue West along the Kings County and Kern County Boundary until the intersection of San Luis Obispo County. Continue west along the Kings County and San Luis Obispo County boundary until the intersection with Monterey County. Continue West along the Monterey County and San Luis Obispo County boundary to the beginning point at the NW corner of T25S, R16E, MDM.

\$2.00 additional per hour for INYO and MONO Counties and the Northern portion of SAN BERNARDINO County as defined below:

That area within the following Boundary: Begin at the intersection of the northern boundary of Mono County and the California state line at the point which is the center of Section 17, T10N, R22E, Mt. Diablo Meridian. Continue S then SE along the entire western boundary of Mono County, until it reaches Inyo County at the point which is the NE corner of the Western half of the NW quarter of Section 2, T8S, R29E, MDM. Continue SSE along the entire western boundary of Inyo County, until the intersection with Kern County at the point which is the SW corner of the SE 1/4 of Section 32, T24S, R37E, MDM. Continue E along the Inyo and Kern County boundary until the intersection with San Bernardino County at that point which is the SE corner of section 34, T24S, R40E, MDM. Continue E along the Inyo and San Bernardino County boundary until the point which is the NE corner of the Western half of the NW quarter of Section 6, T25S, R42E, MDM. Continue S to that point which is the SW corner of the NW quarter of Section 6, T27S, R42E, MDM. Continue E in a straight line to the California and Nevada state border at the point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Then continue NW along the state line to the starting point, which is the center of Section 18, T10N, R22E, MDM.

REMAINING AREA NOT DEFINED ABOVE RECIEVES BASE RATE

 ENGI0012-004 08/01/2015

	Rates	Fringes	
OPERATOR: Power Equipment (DREDGING)			
(1) Leverman.....	\$ 49.50	23.60	
(2) Dredge dozer.....	\$ 43.53	23.60	
(3) Deckmate.....	\$ 43.42	23.60	
(4) Winch operator (stern winch on dredge).....	\$ 42.87	23.60	
(5) Fireman-Oiler, Deckhand, Bargeman, Leveehand.....	\$ 42.33	23.60	23.60
(6) Barge Mate.....	\$ 42.94	23.60	

 IRON0377-002 07/01/2016

	Rates	Fringes	
Ironworkers:			
Fence Erector.....	\$ 28.33	20.64	
Ornamental, Reinforcing and Structural.....	\$ 34.75	29.20	

PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland, Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

LABO0220-001 07/03/2017

	Rates	Fringes
LABORER (TUNNEL)		
GROUP 1.....	\$ 39.04	18.24
GROUP 2.....	\$ 39.36	18.24
GROUP 3.....	\$ 39.82	18.24
GROUP 4.....	\$ 40.51	18.24
LABORER		
GROUP 1.....	\$ 32.34	19.07
GROUP 2.....	\$ 32.89	19.07
GROUP 3.....	\$ 33.44	19.07
GROUP 4.....	\$ 34.99	19.07
GROUP 5.....	\$ 35.34	19.07

LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellower

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in

the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Changehouse person; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.);

GROUP 2: Bull gang mucker, track person; Chucktender, Cabletender; Concrete crew, including rodder and spreader; Loading and unloading agitator cars; Vibrator person, jack hammer, pneumatic tools (except driller)

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

LABO0220-004 07/01/2017

	Rates	Fringes
Brick Tender.....	\$ 31.36	17.82

LABO0300-005 01/01/2017

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 31.88	16.82

SCOPE OF WORK: Includes site mobilization, initial site cleanup, site preparation, removal of asbestos-containing material and toxic waste, encapsulation, enclosure and disposal of asbestos- containing materials and toxic waste by hand or with equipment or machinery; scaffolding, fabrication of temporary wooden barriers and assembly of decontamination stations.

LABO0345-001 07/02/2017

	Rates	Fringes
LABORER (GUNITE)		
GROUP 1.....	\$ 41.08	17.39
GROUP 2.....	\$ 40.13	17.39
GROUP 3.....	\$ 36.59	17.39

FOOTNOTE: GUNITE PREMIUM PAY: Workers working from a Bosn'n's Chair or suspended from a rope or cable shall receive 40 cents per hour above the foregoing applicable classification rates. Workers doing gunite and/or shotcrete work in a tunnel shall receive 35 cents per hour above the foregoing applicable classification rates, paid on a portal-to-portal basis. Any work performed on, in or above any smoke stack, silo, storage elevator or similar type of structure,

when such structure is in excess of 75'-0" above base level and which work must be performed in whole or in part more than 75'-0" above base level, that work performed above the 75'-0" level shall be compensated for at 35 cents per hour above the applicable classification wage rate.

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Rodmen, Nozzlemen

GROUP 2: Gunmen

GROUP 3: Reboundmen

LABO1184-001 07/01/2017

	Rates	Fringes
Laborers: (HORIZONTAL DIRECTIONAL DRILLING)		
(1) Drilling Crew Laborer...	\$ 34.65	13.20
(2) Vehicle Operator/Hauler.	\$ 34.82	13.20
(3) Horizontal Directional Drill Operator.....	\$ 36.67	13.20
(4) Electronic Tracking Locator.....	\$ 38.67	13.20
Laborers: (STRIPING/SLURRY SEAL)		
GROUP 1.....	\$ 35.86	16.21
GROUP 2.....	\$ 37.16	16.21
GROUP 3.....	\$ 39.17	16.21
GROUP 4.....	\$ 40.91	16.21

LABORERS - STRIPING CLASSIFICATIONS

GROUP 1: Protective coating, pavement sealing, including repair and filling of cracks by any method on any surface in parking lots, game courts and playgrounds; carstops; operation of all related machinery and equipment; equipment repair technician

GROUP 2: Traffic surface abrasive blaster; pot tender - removal of all traffic lines and markings by any method (sandblasting, waterblasting, grinding, etc.) and preparation of surface for coatings. Traffic control person: controlling and directing traffic through both conventional and moving lane closures; operation of all related machinery and equipment

GROUP 3: Traffic delineating device applicator: Layout and application of pavement markers, delineating signs, rumble and traffic bars, adhesives, guide markers, other traffic delineating devices including traffic control. This category includes all traffic related surface preparation (sandblasting, waterblasting, grinding) as part of the application process. Traffic protective delineating system installer: removes, relocates, installs, permanently affixed roadside and parking delineation barricades, fencing, cable anchor, guard rail, reference signs, monument markers; operation of all related machinery and equipment; power broom sweeper

GROUP 4: Striper: layout and application of traffic stripes and markings; hot thermo plastic; tape traffic stripes and markings, including traffic control; operation of all related machinery and equipment

* LABO1414-001 08/02/2017

	Rates	Fringes
LABORER		
PLASTER CLEAN-UP LABORER....	\$ 32.50	18.29
PLASTER TENDER.....	\$ 35.05	18.29

Work on a swing stage scaffold: \$1.00 per hour additional.

* PAIN0036-007 07/01/2017

Rates Fringes

Painters:

(1) Repaint Including Lead Abatement.....	\$ 24.40	13.91
(2) High Iron & Steel.....	\$ 30.70	12.83
(3) Journeyman Painter including Lead Abatement....	\$ 29.04	13.91
(4) Industrial.....	\$ 32.52	14.19
(5) All other work.....	\$ 29.04	13.91

REPAINT of any previously painted structure. Exceptions: work involving the aerospace industry, breweries, commercial recreational facilities, hotels which operate commercial establishments as part of hotel service, and sports facilities.

HIGH IRON & STEEL:

Aerial towers, towers, radio towers, smoke stacks, flag poles (any flag poles that can be finished from the ground with a ladder excluded), elevated water towers, steeples and domes in their entirety and any other extremely high and hazardous work, cooning steel, bos'n chair, or other similar devices, painting in other high hazardous work shall be classified as high iron & steel

PAIN0036-008 10/01/2016

Rates Fringes

DRYWALL FINISHER/TAPER.....	\$ 37.18	17.99
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PAIN0169-002 01/01/2017

Rates Fringes

GLAZIER.....	\$ 34.93	24.03
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PAIN1247-002 05/01/2017

Rates Fringes

SOFT FLOOR LAYER.....	\$ 32.35	14.56
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* PLAS0200-001 08/02/2017

Rates Fringes

PLASTERER.....	\$ 41.26	14.46
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PLAS0500-002 07/01/2016

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...	\$ 33.30	23.33
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PLUM0016-001 07/01/2017

Rates Fringes

PLUMBER/PIPEFITTER

Plumber and Pipefitter

All other work except work on new additions and remodeling of bars, restaurant, stores and commercial buildings not to exceed 5,000 sq. ft. of floor space and work on strip malls, light commercial, tenant improvement and remodel work.....

\$ 49.28	21.61
----------	-------

Work ONLY on new additions and remodeling of bars, restaurant, stores and commercial buildings not to exceed 5,000 sq. ft. of floor space.....\$ 47.76 20.63
 Work ONLY on strip malls, light commercial, tenant improvement and remodel work.....\$ 36.91
 18.96

 PLUM0345-001 07/01/2014

	Rates	Fringes
PLUMBER		
Landscape/Irrigation Fitter.\$	29.27	19.75
Sewer & Storm Drain Work....\$	33.24	17.13

 * ROOF0036-002 08/01/2017

	Rates	Fringes
ROOFER.....\$	37.07	16.17

FOOTNOTE: Pitch premium: Work on which employees are exposed to pitch fumes or required to handle pitch, pitch base or pitch impregnated products, or any material containing coal tar pitch, the entire roofing crew shall receive \$1.75 per hour "pitch premium" pay.

 SFCA0669-014 04/01/2017

	Rates	Fringes
SPRINKLER FITTER.....\$	37.20	15.84

 * SHEE0273-002 08/01/2017

	Rates	Fringes
SHEET METAL WORKER.....\$	42.28	28.33

HOLIDAYS: New Year's Day, Martin Luther King Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day & Friday after, Christmas Day

 TEAM0011-002 07/01/2017

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....\$	29.59	27.74
GROUP 2.....\$	29.74	27.74
GROUP 3.....\$	29.87	27.74
GROUP 4.....\$	30.06	27.74
GROUP 5.....\$	30.09	27.74
GROUP 6.....\$	30.12	27.74
GROUP 7.....\$	30.37	27.74
GROUP 8.....\$	30.62	27.74
GROUP 9.....\$	30.82	27.74
GROUP 10.....\$	31.12	27.74
GROUP 11.....\$	31.62	27.74
GROUP 12.....\$	32.05	27.74

WORK ON ALL MILITARY BASES:

PREMIUM PAY: \$3.00 per hour additional. [29 palms Marine Base, Camp Roberts, China Lake, Edwards AFB, El Centro Naval Facility, Fort Irwin, Marine Corps Logistics Base at Nebo & Yermo, Mountain Warfare Training Center, Bridgeport, Point Arguello, Point Conception, Vandenberg AFB]

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Truck driver

GROUP 2: Driver of vehicle or combination of vehicles - 2 axles; Traffic control pilot car excluding moving heavy equipment permit load; Truck mounted broom

GROUP 3: Driver of vehicle or combination of vehicles - 3 axles; Boot person; Cement mason distribution truck; Fuel truck driver; Water truck - 2 axle; Dump truck, less than 16 yds. water level; Erosion control driver

GROUP 4: Driver of transit mix truck, under 3 yds.; Dumpcrete truck, less than 6-1/2 yds. water level

GROUP 5: Water truck, 3 or more axles; Truck greaser and tire person (\$0.50 additional for tire person); Pipeline and utility working truck driver, including winch truck and plastic fusion, limited to pipeline and utility work; Slurry truck driver

GROUP 6: Transit mix truck, 3 yds. or more; Dumpcrete truck, 6-1/2 yds. water level and over; Vehicle or combination of vehicles - 4 or more axles; Oil spreader truck; Dump truck, 16 yds. to 25 yds. water level

GROUP 7: A Frame, Swedish crane or similar; Forklift driver; Ross carrier driver

GROUP 8: Dump truck, 25 yds. to 49 yds. water level; Truck repair person; Water pull - single engine; Welder

GROUP 9: Truck repair person/welder; Low bed driver, 9 axles or over

GROUP 10: Dump truck - 50 yds. or more water level; Water pull - single engine with attachment

GROUP 11: Water pull - twin engine; Water pull - twin engine with attachments; Winch truck driver - \$1.25 additional when operating winch or similar special attachments

GROUP 12: Boom Truck 17K and above

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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

Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

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

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

Union Rate Identifiers

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

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

Survey Rate Identifiers

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

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

Union Average Rate Identifiers

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

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

WAGE DETERMINATION APPEALS PROCESS

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

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

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the

Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

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

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

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

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

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

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

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

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

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END OF GENERAL DECISION

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(AMMENDED (9/7/2017))

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PROJECT PLANS

Attachment 4. DBE Affidavit of No Change

**DISADVANTAGED BUSINESS ENTERPRISE (DBE)
(REVISED) AFFIDAVIT OF NO CHANGE**

---This form must be signed by each disadvantaged owner ---

Firm Name: _____
Mailing Address: _____
Street Address (if different): _____
Telephone: (_____) _____ - _____ Fax: (_____) _____ - _____
E-Mail: _____
Caltrans DBE Certification Number: _____

Any misrepresentation made in this Affidavit will be grounds for initiating proceedings to remove your firm's DBE certification status with the California State Unified Certification Program. If your firm does not meet the eligibility criteria to be certified as a DBE and attempts to participate in the DBE program based on false, fraudulent or deceitful representations, the U. S. Department of Transportation may initiate suspension or debarment proceedings against your firm; and other enforcement action may be taken against you including referral for prosecution under applicable Federal and State statutes.

As required by Title 49, Code of Federal Regulations (CFR) Part 26, Subpart E, Section 26.83(j), I/We, the undersigned, affirm that there have been no changes in my/our firm's circumstances affecting its ability to meet the size, disadvantaged status, ownership, or control requirements of 49 CFR Part 26.

I/We further affirm that there have been no material changes in the information provided with my/our firm's application for certification, except for any changes about which I/we have previously provided written notification to the California Unified Certification Program pursuant to 49 CFR §26.83(i).

Under penalty of perjury of the laws of the United States, I/we certify to the truthfulness of the affirmations made in this affidavit and the accuracy of the information in the supporting documentation provided herewith.

Printed Name

Signature

Printed Name

Signature

Attachment 5. City of Paso Robles Encroachment Permit Application



CITY OF EL PASO DE ROBLES
"The Pass of the Oaks"

[City Use Only]
Permit No. _____
Deposit Amount \$ _____

ENCROACHMENT PERMIT APPLICATION

Contractor Name: _____ Date: _____

Business Address: _____ Phone: _____ Cell: _____

City, State Zip: _____ Fax: _____

City Business License #: _____ State Contractor's License #: _____ Class*: _____

*Note: Class A License is required for underground work in City right-of-way

Property Owner: _____

Job Location: _____ Project Number (if applicable): _____

Estimated Start Date: _____ Estimated Completion Date: _____

Will this work require a street closure or block parking during construction? Yes [] No []

Do you need a Traffic Control Plan for this work? (Per Caltrans) Yes [] No []

Permission is being requested to work within the public right-of way for the construction of the following improvements:

CALL U.S.A. 48 HOURS BEFORE YOU DIG 1-800-227-2600

Contractor is responsible for preservation and/or perpetuation of all existing monuments which control subdivisions, tracts, boundaries, streets, highways, or other rights-of-way, easements, or provide survey control which will be disturbed or removed due to contractor's work.

The undersigned applicant / permittee agrees that the work will be done in accordance with all City Standards and Specifications and is subject to this permit's terms and conditions, the State Vehicle Code, the State Streets & Highways Code and is subject to inspection.

Signature of Applicant (Permittee)

Print Name: _____

[Area Below For City Use Only]

SPECIAL CONDITIONS: _____

APPROVED: _____
David M. Athey, PE City Engineer

DATE: _____

FINAL INSPECTION BY: _____

DATE: _____

CONTACT INSPECTION LINE @ 227-7222
24 HOURS PRIOR TO, DURING ALL PHASES OF CONSTRUCTION & UPON COMPLETION OF THE PROJECT
Reference your Permit Number when requesting an inspection

ENCROACHMENT PERMIT GENERAL PROVISIONS

1. Authority: Each Encroachment Permit is issued in accordance with the City of Paso Robles Municipal Code, Title 11.

2. Revocation: These General Provisions, and any Encroachment Permit issued hereunder, are revocable or subject to modification or abrogation at any time, without prejudice, however, to prior rights, including those evidenced by joint use agreements, franchise rights, reserved rights, or any other agreements for operating purposes in the public right-of-way.

3. Responsible Party: No party other than the named permittee or their agent is authorized to work under any permit.

4. Acceptance of Provisions: It is understood and agreed by the permittee that the doing of any work under this permit shall constitute an acceptance of the provisions of this permit and all attachments.

5. Notice Prior to Starting Work: Before starting work under the Encroachment Permit, the permittee shall notify the designated City representative two (2) working days prior to initial start of work. When work has been interrupted for more than five (5) working days, an additional 24-hour notification is required before restarting work unless a pre-arranged agreement has been made with the City's representative. Unless otherwise specified, all work shall be performed on weekdays and during the normal working hours of the City Inspector (7AM - 5PM).

6. Standards of Construction: All work performed within the public right-of-way shall conform to recognized standards of construction and the current City of Paso Robles Engineering Standards, Standard Specifications, City Policies and CALTRANS Manual of Traffic Controls (for Construction and Maintenance Work Zones).

7. Inspection and Approval by the City: All work shall be subject to monitoring, inspection, and approval by the City. The inspector must receive all inspection requests at least 24 hours prior to inspection. The permittee shall request a final inspection and acceptance of the work.

8. Keep Permit on the Work Site: The Encroachment Permit or a copy thereof shall be kept at the site of the work and must be shown to any representative of the City or any law enforcement officer on demand. **Work shall be suspended if permit is not at job site as provided.**

9. Conflicting Permits: If a prior encroachment conflicts with the proposed work, the new permittee must arrange for any necessary removal or relocation with the prior permittee. Any such removal or relocation will be at no expense to the City.

10. Permits From Other Agencies: The party or parties to whom a permit is issued shall, whenever required by law, secure the written authorization for any work that must be approved by the Public Utilities Commission (PUC) of the State of California, OSHA, or any other public agency having jurisdiction. **Failure to comply with the law, as noted above, will invalidate this City permit.**

11. Provisions for Pedestrians: Where facilities exist, a minimum sidewalk and bike path width of four feet (4') shall be maintained at all times for safe passage through the work area. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where adjacent alternate walkways cannot be provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the closure at the nearest crosswalk or intersection to divert pedestrians across the street.

12. Protection of Traffic: Adequate provisions shall be made for the protection of the traveling public. Warning signs, lights and safety devices and other measures required for the public safety, shall conform to the requirements of CALTRANS' Manual of Traffic Controls. Traffic control for day or nighttime lane closures shall comply with Caltrans Standard Plans for Traffic Control Systems. Nothing in the permit is intended, as to third parties, to impose on permittee any duty, or standard of care, greater than or different than the duty or standard of care imposed by law.

13. Minimum Interference with Traffic: All work shall be planned and carried out so that there will be the least possible inconvenience to the traveling public. The permittee is authorized to place properly attired flagger(s) to stop and warn conventional highway traffic. Traffic shall not be unreasonably delayed. Flagging procedures shall comply with CALTRANS' Manual of Traffic Controls for Construction and Maintenance Work Zones.

14. Storage of Equipment and Materials: The permittee shall delineate/cone off any obstacle, material stored, or equipment parked adjacent to the lane, to the satisfaction of the City Engineer. Utilities are subject to the provisions of Section 22512 of the California Vehicle Code (CVC).

15. Care of Drainage: If the work contemplated in any Encroachment Permit shall interfere with the established drainage, ample provisions shall be made by the permittee to provide for it as may be directed by the City Engineer.

16. Making Repairs: In every case, the permittee shall be responsible for restoring to its former condition as nearly as may be possible any portion of the public right-of-way facilities that have been excavated or otherwise disturbed by permittee. The permittee shall maintain, for one year, all portions of the public right-of-way disturbed and/or placed under any permit. If the highway is not restored as herein provided for, or if the City elects to make repairs, permittee agrees to bear the cost thereof.

17. Elevation Reference Marks: The permittee is responsible for locating and identifying all City benchmarks (elevation reference marks) that might be damaged or disturbed prior to the start of any work authorized under this permit. If the permittee damages or disturbs any benchmark, the permittee shall have the benchmark replaced by a registered civil engineer or land surveyor and all supporting documentation shall be submitted to the Director of Public Works for review and approval prior to the final inspection.

18. Clean Up Right-of-Way: Upon completion of the work, all brush, timber, scraps, material, etc. shall be entirely removed and the right-of-way shall be left in as presentable a condition as existed before work started.

19. Cost of Work: Unless otherwise stated on the permit or other separate written agreement, all costs incurred for work within the public right-of-way pursuant to this Encroachment Permit shall be borne by the permittee, and permittee hereby waives all claims for indemnification or contribution from the City for such work.

20. Submit Plan: For installation of all underground facilities, and all surface work or other activity of consequence, the permittee shall furnish three (3) sets of plans showing location and construction or other activity. For underground facilities, the permittee shall submit a complete set of "record drawings", prepared by a registered civil engineer, for review and approval prior to placing said facilities into operation.

21. Bonding: This permit shall not be effective for any purpose unless, and until the permittee files with the City a surety bond when required by the City's Municipal Code. A bond is not ordinarily required of any public corporation or publicly or privately-owned utility but will be required of any utility that fails to meet any obligation arising out of the work permitted or done under an Encroachment Permit or fails to maintain its plant, work, or facilities. The said bond shall remain in force for a period of one (1) year after acceptance of the work by the City.

22. Maintenance of the Public Right-of-Way: The permittee agrees, by acceptance of a permit, to properly maintain any encroachment. This will require inspection and repair of any damage to any facilities within the public right-of-way resulting from the encroachment. **Said maintenance and repair responsibility shall run for the life of the encroachment.**

23. Responsibility for Damage: The City of Paso Robles and all officers and employees thereof, including but not limited to the Director of Public Works and the Capital Projects Engineer, shall not be answerable or accountable in any manner, for injury to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability imposed by law

and for injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or damage to property arising out of work or other activity permitted and done by the permittee under a permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity, or at any subsequent time work or other activity is being performed under the obligations provided by and contemplated by the permit.

The permittee shall indemnify and save harmless the City of Paso Robles and all officers and employees thereof, including but not limited to the Director of Public Works and the Capital Projects Engineer, from all claims, suits or actions of every name, kind and description brought for or on account of injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee and the public, or damage to property resulting from the performance of work or other activity under the permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by statute. The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code. The permittee waives any and all rights to any type of expressed or implied indemnity against the City, its officers or employees. It is the intent of the parties that the permittee will indemnify and hold harmless the City, its officers and employees from any and all claims, suits or actions as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the City, the permittee, persons employed by the permittee, or persons acting in behalf of the permittee; provided, however, that permittee's duty to indemnify and hold harmless shall not include any claims or liability arising from the established sole active negligence or

willful misconduct of the City, its agents, officers or employees.

24. No Precedent Established: This permit is issued with the understanding that any particular action is not to be considered as establishing any precedent: (1) on the question of the expediency of permitting any certain kind of encroachment to be erected within the public right-of-way; or (2) as to any utility of the acceptability of any such permits as to any other or future situation.

25. Archaeological: The permittee shall cease work in the vicinity of any archaeological resources that are revealed. The Capital Projects Engineer shall be notified immediately. A qualified archaeologist, retained by the permittee, will evaluate the situation and make recommendations to the Capital Projects Engineer concerning the continuation of the work.

26. Future Moving of Installations: Permittee understands and agrees that whenever permitted facilities conflict with future City improvements and projects, new construction, reconstruction or maintenance work in the public right-of-way, said facilities shall be relocated, removed, modified or adjusted at permittee's sole expense.

EFFECTIVE: JANUARY 2002

Attachment 6. City of Paso Robles Oak Tree - Permit to Prune Application



CITY OF EL PASO DE ROBLES

"The Pass of the Oaks"

Department of Public Works

OAK TREE – PERMIT TO PRUNE

Applicant: _____

Mailing Address: _____

Phone: _____ Fax: _____

Tree Pruner: _____

Mailing Address: _____

Phone: _____ Fax: _____

Contractor License # (if applicable) Business License # (if applicable)

Location and Description of Oak Tree(s) – include street address and any other information to specifically locate tree(s) to be pruned. If necessary, please include map, sketch, and/or photo: _____

Date(s) work will be performed _____

Pursuant to Municipal Code Ordinance No. 835, Applicant/Pruner has met and satisfied the requirements for an authorized pruning and/or removal of:

Limb - Pruning/Removal _____ inches diameter _____ feet _____ inches in length

Limb - Pruning/Removal _____ inches diameter _____ feet _____ inches in length

Limb - Pruning/Removal _____ inches diameter _____ feet _____ inches in length

Limb - Pruning/Removal _____ inches diameter _____ feet _____ inches in length

Limb - Pruning/Removal _____ inches diameter _____ feet _____ inches in length

Signature of Applicant or Pruner Date

Office Use Only:

Notes/comments: _____

Approval Denial By: _____, Street Maint, Div. Date _____

Approved Denied By: _____, Pub. Wks Director Date _____

City Council Authorization will be required

Paid Check # _____ (\$50.00 non-refundable fee)

Excerpts from the Paso Robles Municipal Code relevant to pruning oak trees

10.01.030 Permit required.

- A. Permit to Prune. No person shall prune an oak tree growing on private or public property within the city limits of the city of El Paso de Robles if said pruning involves cutting a portion of the tree that is six inches or greater in diameter unless they have first received approval of a Permit to Prune issued by the City's Public Works Director. The Director of Public Works is authorized to establish standards for pruning of oak trees. Pruning of tree limbs of less than six inches diameter does not require a permit.

Exception to requirement for Permit to Prune:

Owners of developed properties (parcels with existing buildings and related improvements) that are not being considered for new construction or other development entitlements may prune oak trees on their property without the need for a permit and without limitation as to limb size as long as the pruning does not endanger the health of the oak tree.

...

10.01.051 Pruning of an oak tree—Application process.

- A. Any person or agent of any person wishing to prune one or more oak trees in a manner that would involve cutting limbs of six or more inches in diameter on any parcel within the city shall apply in writing to the Public Works Department for a permit. A processing fee in an amount to be established by City Council resolution shall be made for each tree at the time of the application. For large numbers of trees or forested areas, the Director of Public Works shall have the authority to adjust the fee to reflect the City's actual costs for administering the permitting an inspection process, and shall be authorized to establish an oak tree management program for the subject property. (Please note exceptions to Permit to Prune requirements under Section 10.01.030(A)).

A permit to prune application shall contain a description of the subject tree and shall identify with specificity the limbs to be removed.

If a request is being made to prune one or more healthy, oak trees that would require a "Permit to Prune", the Director of Public Works shall approve or deny the request considering the factors described in Section 10.01.050 of this chapter. The Public Works Director may, at his or her discretion, require an arborist report prepared under contract to the city at the applicant's cost.

...

10.01.060 Appeals of permit decisions.

- A. Any person aggrieved or affected by a decision of either the Director of Community Development or the Director of Public Works may appeal the decision to the city council by filing a written appeal with the City Clerk with fifteen days of the date of the Director's notice. Any such appeal shall be accompanied by an appeal fee in the amount established by resolution of the City Council.
- B. If no appeal is filed within such time, the Director of Community Development or the Director of Public Works shall promptly implement his intended decision by denying or issuing the permit, with or without conditions. An appeal shall automatically stay execution of the implementation of the intended decision until the appeal has been considered and decided by the City Council.
- C. The City Clerk shall place all such appeals on the agenda of the next regular council meeting and shall give notice to the applicant and/or appellant. The City Council shall consider and decide all issues raised in the appeal and may call for expert witness from a consulting certified arborist, for which the City may require to be reimbursed by the applicant. The decision of the Council shall be final.

Additional regulations/information available online at

<http://www.prcity.com/government/departments/commdev/planning/trees.asp>

Attachment 7. Geotechnical Engineering Report and Infiltration Testing Report

**GEOTECHNICAL ENGINEERING REPORT
AND INFILTRATION TESTING
RTA BUS PARKING YARD
PASO ROBLES STREET
PASO ROBLES, CALIFORNIA**

March 23, 2017
(Revised April 4, 2017)

Prepared for

Mr. Esau Blanco
Wallace Group

Prepared by

Earth Systems Pacific
4378 Old Santa Fe Road
San Luis Obispo, California 93401

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March 23, 2017
(Revised April 4, 2017)

SL-17979-SA

Mr. Esau Blanco
Wallace Group
612 Clarion Court
Santa Luis Obispo, CA 93401

PROJECT: RTA BUS PARKING YARD
PASO ROBLES STREET
PASO ROBLES, CALIFORNIA

SUBJECT: Geotechnical Engineering Report and Infiltration Testing

REF: Revised Proposal for a Geotechnical Engineering Report, Infiltration Testing, and Geotechnical Construction Observation and Materials Testing, RTA Bus Parking Yard, Paso Robles Street, Paso Robles, California, by Earth Systems Pacific, dated November 8, 2016, Doc. No. 1610-089.PRP.REV.

Dear Mr. Blanco:

In accordance with your authorization of the above-referenced proposal, this geotechnical engineering report has been prepared for use in the development of plans and specifications for the RTA Bus Parking Yard project located on Paso Robles Street in the City of Paso Robles, California. Preliminary geotechnical recommendations for site preparation, grading, utility trenches, pavement sections, drainage and maintenance, and construction observation and testing are presented herein. This report was revised based upon discussions with Wallace Group regarding the final design. The results of our infiltration testing are also included. Two bound copies and an electronic copy of this report are being furnished for your use.

We appreciate the opportunity to have provided services for this project and look forward to working with you again in the future. If there are any questions concerning this report, please do not hesitate to contact the office.

Sincerely,
Earth Systems Pacific


Phillip Madrid, EIT
Staff Engineer

Doc. No. 1703-123.SER/pm


Robert Down, PE
Senior Engineer

9/4/17





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1.0 INTRODUCTION AND SITE SETTING

The RTA Bus Parking Yard project is planned at Paso Robles Street in the central sector of the City of Paso Robles, California. The general area where this project is planned is referred to herein as “the site.” The site is shown on the Exploration Location Map presented in Appendix A.

We understand the project will generally consist of developing a new parking lot for 14 buses, 5 vans, and employee vehicles as well as a modular building with a footprint of 1,250 square feet. The modular building is to be supported on it’s drivable axle and adjustable steel foundation piers bearing on the pavement surface; no permanent foundations will be constructed. Bio-retention areas are also planned at the north end of the site. The vehicle access driveway and parking spaces will be constructed of hot mix asphalt (HMA) pavement placed over aggregate base (AB). Subsurface improvements are assumed to be the underground conduits associated with the service utilities. No on-site effluent disposal systems are planned; therefore, addressing this item is not within our scope of work and is not included within this report.

Based on the current grading design, cuts and fills will be less than a foot to develop the surface improvement areas, to improve access, and to improve drainage.

The site is bounded to the east by the bank of the Salinas River and to the west by US Highway 101. Access to the site is via Paso Robles Street. The approximate central site coordinates and elevation from the Google Earth website (Google, 2017) are latitude 35.6315 degrees north, longitude 120.6862 degrees west.

Much of the site is currently paved with HMA. Site topography is very gently sloping to the east, towards the top of bank of the Salinas River. Drainage is by sheet flow.

2.0 SCOPE OF SERVICES

The scope of work for the geotechnical engineering report included a general site reconnaissance, subsurface exploration, infiltration testing, laboratory testing of selected soil samples, geotechnical evaluation of the data collected, and preparation of this report. The report and subsequent preliminary geotechnical recommendations were based, in part, on information provided by the client.



This report and preliminary geotechnical recommendations are intended to comply with the applicable considerations of California Building Code (CBC) Sections 1803.2 through 1803.5 and J104.3, and common geotechnical engineering practice in this area under similar conditions at this time. The test procedures were accomplished in general conformance with the standards noted, as modified by common geotechnical engineering practice in this area under similar conditions at this time.

Preliminary geotechnical recommendations for site preparation, grading, utility trenches, pavement sections, drainage and maintenance, and construction observation and testing are presented to guide the development of project plans and specifications. It is our intent that this report be used exclusively by the client to form the geotechnical basis of the design of the project and in the preparation of plans and specifications. Application beyond this intent is strictly at the user's risk. If future parties wish to use this report, such use will be allowed to the extent the report is applicable, only if the user agrees to be bound by the same contractual conditions as the original client, or contractual conditions that may be applicable at the time of the report use.

This report does not address issues in the domain of contractors such as, but not limited to, site safety, loss of volume due to stripping of the site, shrinkage of soils during compaction, dewatering, shoring, temporary slope angles, construction means and methods, etc. Analyses of the areal or site geology, and of the soil for asbestos (either man-made or naturally occurring), radioisotopes, mold or other microbial content, hydrocarbons, lead, or other chemical properties are beyond the scope of this report. Ancillary features such as temporary access roads; fences and site walls; flag and light poles; signage; effluent disposal systems; and nonstructural fills are not within our scope and are also not addressed.

As there may be unresolved geotechnical issues with respect to this project, the geotechnical engineer should be retained to provide consultation as the design progresses, and to review project plans as they near completion to assist in verifying that pertinent geotechnical issues have been addressed and to aid in conformance with the intent of this report. In the event that there are any changes in the nature, design, or location of improvements, or if any assumptions used in the preparation of this report prove to be incorrect, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed and the conclusions of this report are modified or verified by the geotechnical engineer in writing. The criteria presented in this report are considered preliminary until such time as any peer review or review by any jurisdiction has been completed, conditions are



observed by the geotechnical engineer in the field during construction, and the recommendations have been verified as appropriate or are modified by the geotechnical engineer in writing.

3.0 FIELD AND LABORATORY INVESTIGATION

On February 10, 2017, seven borings were drilled at the site to depths between approximately 1.0 and 16.5 feet below the existing ground surface; Four of which were used for infiltration testing. The borings were drilled with a Mobile Model B-53 drill rig equipped with a 6-inch outside diameter hollow stem auger and an automatic trip hammer for sampling. The approximate locations of the borings are shown on the Exploration Location Map presented in Appendix A.

Soils encountered in the exploratory borings were logged and categorized in general accordance with the Unified Soil Classification System and ASTM D2488-09a. Copies of the boring logs can also be found in Appendix A along with a boring log legend. In reviewing the boring logs and legend, the reader should recognize that the legend is intended as a guideline only, and there are a number of conditions that may influence the characteristics observed during drilling. These include, but are not limited to, the presence of cobbles or boulders, organics, cementation, variations in soil moisture, presence of groundwater, and other factors. Consequently, the logger must exercise judgment in interpreting soil characteristics, possibly resulting in soil descriptions that vary from the legend.

As the borings were drilled, soil samples were taken using a ring-lined barrel sampler (ASTM D3550-01/07, with shoe similar to D2937-10) and Standard Penetration Tests (SPT) were conducted at selected depths in the borings (ASTM D1586-11). Bulk soil samples were also obtained from the auger cuttings.

A ring sample was tested for bulk density (ASTM D2937-10, as modified for ring liners). One bulk sample was tested for maximum density and optimum moisture content (ASTM D1557-12) and R-value (ASTM D2844/D2844M-13). The laboratory test results are presented in Appendix B .

4.0 GENERAL SUBSURFACE PROFILE

The general subsurface profile observed within the borings consisted of layered sand soils. Below the pavement section, fill soils were encountered from approximately 1.5 to 5 feet below ground surface. The fill was underlain by alluvium. The fill soils generally consisted of



clayey sand with gravel in a moist condition with a medium dense consistency. The alluvium generally consisted of well graded sand with gravel with varying amounts of cobbles. The alluvium was moist to wet with a medium dense consistency. Subsurface water was encountered within Boring 1 at approximately 14.5 feet. Please refer to the boring logs for a more complete description of the subsurface conditions.

5.0 INFILTRATION TESTING

Test Procedures

Four test borings (A through D) were used for infiltration testing as mentioned above. The borings were 6 inches in diameter and were drilled to depths of 4.5 to 5 feet below ground surface. Infiltration testing was performed in the areas chosen based on discussions between this firm and the client for the client's use in determining the potential for utilizing LID drainage improvements at the site. A 2-inch diameter perforated PVC pipe was installed in the center of each of the four infiltration test borings. The bottom 2 inches of the infiltration test borings and the annular spaces around the outside of the PVC pipes were filled with gravel to reduce caving of the boring sidewalls and the migration of soil back into the pipes.

The infiltration test borings were filled with water to an elevation close to the existing ground surface, and water was added as necessary to maintain the water level for 30 minutes (i.e. kept at a constant head). At the end of the 30-minute period, the volume of water added into each infiltration test boring to maintain a constant head was recorded. From this point on, the infiltration tests were conducted as falling head tests and measurements were taken as the water level dropped. If the test holes emptied, water was added and the test continued. The falling head portion of the tests lasted between 80 and 120 minutes. Following the infiltration testing, all of the PVC pipes were removed and the test holes were backfilled with the soil auger cuttings.

Test Results

Constant head infiltration tests resulted in introducing approximately 0.0 to 1.1 cubic feet of water over a period of 30 minutes. Falling head infiltration rates varied from approximately 0 to 148 inches/hour initially and 0 to 8 inches/hour during the final readings. This range indicates the infiltration rates are dependent upon the water's head, or elevation, that existed in the infiltration test boring. The tabulated infiltration test data are presented in Appendix C.



These test results only indicate the infiltration rate at the specific location and under specific conditions. Sound engineering judgment should be exercised in extrapolating the test results for other conditions or locations. Technical design references vary in methods they present for using these types of test results. However, the majority of references include reduction or correction factors for several parameters including, but not limited to, degree of processing and compaction after testing, size of the LID drainage system relative to the test volume, number of tests conducted, variability in the soil profile, anticipated silt loading, anticipated biological buildup, anticipated long-term maintenance, and other factors. Typically, in aggregate these factors range from about 2.5 to 50 depending upon the method used; the final determination of the means by which these data are used is left to the design engineer.

6.0 CONCLUSIONS

In our opinion, the site is suitable from a geotechnical standpoint for the project as described in the "Introduction" section of this report, provided the recommendations contained herein are implemented into the design and construction. The upper site soils were judged to be generally nonexpansive; therefore, no special measures with respect to expansive soils are considered necessary.

The primary geotechnical concerns at this site are the proximity of the project location to the bank slopes of the Salinas River, the potential for settlement, and the erodible nature of the soils. The potential for liquefaction to occur is also discussed.

Proximity to Bank of Salinas River

Preliminary plans from the Wallace Group depict Bio-retention swales are in close proximity to the top of the bank slope descending to the Salinas River. We understand that these basins would be designed to infiltrate stormwater. From a geotechnical perspective it is not recommended to infiltrate water at the top of a slope because it could lead to water daylighting from the slope face and/or destabilize the slope. A minimum of 25 feet should be maintained and the area should be periodically monitored after construction to confirm these conditions do not occur. Currently, the planned locations meet this minimum offset.

Settlement Potential

Settlement (total and differential) can occur when surface improvements span materials having variable consolidation, moisture, and density characteristics, such as the soils that currently exist on this site. Such a situation can stress and possibly damage surface



improvements, often resulting in severe cracks and displacement. To reduce this settlement potential, it is necessary for all surface improvements to bear on material that is as uniform as practicable. A program of overexcavation, scarification, moisture conditioning, and compaction of the upper soils in the surface improvement areas is recommended to provide more uniform soil moisture and density and appropriate support.

Soil Erosion

The surface soils are erodible. Stabilization of surface soils, particularly those disturbed during construction, by vegetation or other means *during* and *following* construction is essential to reduce erosion damage. Care should be taken to establish and maintain proper drainage around the structures.

Liquefaction

Liquefaction is the loss of soil strength caused by a significant seismic event. It occurs primarily in loose, fine to medium-grained sands, and in very soft to medium stiff silts that are saturated by groundwater. During a major earthquake, the saturated sands and silts tend to compress and the void spaces between the soil particles that are filled with water decrease in volume. This causes the pore water pressure to build up in the soils. Then if the water does drain away rapidly, the soils may lose their strength and transition into a liquefied state. The well graded sand with gravel soils encountered are not a soil type typically associated with liquefaction. Furthermore, these soils are anticipated to drain well enough such that they will not experience the pore pressure buildup and rapid draining which cause liquefaction. Thus, it is our opinion that there is a low potential for liquefaction to occur at the project site.

7.0 PRELIMINARY GEOTECHNICAL RECOMMENDATIONS

The following recommendations are applicable to the project as described in the "Introduction" section of this report. If structures such as retaining walls, additional buildings, or other such features are incorporated into site development, the geotechnical engineer should be contacted for individual assessment.



Definitions

Unless otherwise noted, the following definitions are used in these recommendations. Where specific terms are not defined, common definitions used in the construction industry are intended.

- **Surface Improvement Area:** The area within and extending a minimum of 2-foot beyond the perimeter of the surface improvement.
- **Scarified:** Ripping or plowing the exposed soil surface in two orthogonal directions to a minimum depth of 8 inches.
- **Moisture Conditioning:** Adjusting the soil moisture to optimum moisture content or slightly above, prior to the application of compaction effort.
- **Compacted or Recompacted:** Soils placed in level lifts not exceeding 8 inches in loose thickness, and compacted to a minimum of 90 percent of maximum dry density. A minimum of 95 percent will be required in the upper 1-foot of subgrade below vehicle pavement and in all AB. The standard tests used to define maximum dry density and field density should be ASTM D1557-12 and ASTM D6938-15, respectively, or by other methods acceptable to the geotechnical engineer and the governing jurisdiction.

Site Preparation

1. The ground surface in the surface improvement areas should be prepared for construction by removing existing surface improvements, vegetation, large roots, debris, and other deleterious materials. Existing utility lines that will not be serving the site should be either removed or abandoned. The appropriate method of abandonment will depend upon the type and depth of the utility. Recommendations for abandonment can be made as necessary.
2. Voids created by the removal of materials or utilities described above should be called to the attention of the geotechnical engineer. No fill should be placed unless the underlying soil has been observed by the geotechnical engineer.



Grading

1. Following site preparation, the soils in the surface improvement area should be removed to planned subgrade elevation. The surface should be observed by the geotechnical engineer prior to compaction. During construction, locally deeper removals may be recommended based on field conditions. The resulting soil surface should then be moisture conditioned and compacted prior to placing any fill soil.
2. Following site preparation, the soils in the fill areas beyond the surface improvement areas should be removed to a depth of 1-foot below the existing ground surface. During construction, locally deeper removals may be recommended based on field conditions. The resulting soil surface should then be scarified, moisture conditioned, and compacted prior to placing any fill soil.
3. Voids created by dislodging cobbles and/or debris during scarification should be backfilled and compacted, and the dislodged materials should be removed from the area of work.
4. On-site material and approved import materials may be used as general fill. All imported soil should be nonexpansive. Nonexpansive material is defined as being a coarse grained soil (ASTM D2487-11) and having an expansion index of 10 or less (ASTM D4829-11). Proposed imported soils should be evaluated by the geotechnical engineer before being used, and on an intermittent basis during placement on the site.
5. All materials used as fill should be cleaned of any debris and rocks larger than 6 inches in diameter. No rocks larger than 3 inches in diameter should be used within the upper 3 feet of finish grade. When fill material includes rocks, the rocks should be placed in a sufficient soil matrix to ensure that voids caused by nesting of the rocks will not occur and that the fill can be properly compacted.

Utility Trenches

1. A select, noncorrosive, granular, easily compacted sand should be used as bedding and shading immediately around utilities. Generally, the soil found at the site may be used for trench backfill above the select material.



2. Utility trench backfill should be moisture conditioned and compacted. The City of Paso Robles Department of Public Works, City Standards and Specifications, Standard Drawing Number U-2, Pipe in Trench Detail (CPR, 2012) depicts the local requirements. A minimum of 95 percent of maximum dry density should also be obtained where trench backfill comprises the upper 1-foot of subgrade beneath HMA or PCC pavement, and in all AB.
3. Jetting of trench backfill should generally not be allowed as a means of backfill densification. However, to aid in encasing utility conduits, particularly corrugated conduits and multiple closely spaced conduits in a single trench, jetting or flooding may be useful. Jetting or flooding should only be attempted with extreme caution, and any jetting or flooding operation should be subject to review by the geotechnical engineer.
4. The recommendations of this section are minimums only, and may be superseded by the architect/engineer based upon the soil corrosivity, or the recommendations of the pipe manufacturer, or requirements of the utility companies or the governing jurisdiction.

Pavement Sections

The following pavement sections are based on a tested R-value of 50 and should only be used for cost estimation purposes. The soil exposed at the roadway, access driveway, and parking area subgrade should be tested during construction for R-value to verify that these preliminary pavement sections are appropriate, otherwise revised pavement sections should be prepared. Pavement design sections are provided for assumed Traffic Indices (TI) of 4.5, 5.0, 5.5, 6.0, 6.5, and 7.0. Determination of the appropriate TI for specific areas is left to others. The pavement sections were calculated in accordance with the Highway Design Manual (Caltrans, 2012). The calculated Class 2 AB (Caltrans, 2015) and HMA thickness are for compacted material. Normal Caltrans construction tolerances should apply.



R-value	TI	HMA (inches)	Class 2 AB (inches)
50	5.0	2.75	4.0
50	6.0	3.25	4.0
50	7.0	4.00	6.0
50	8.0	4.50	6.0
50	9.0	5.25	6.0
50	10.0	6.00	8.0

1. The upper 12 inches of subgrade and all AB should be compacted to a minimum of 95 percent of maximum dry density.
2. Subgrade and AB should be firm and unyielding when proof-rolled by heavy rubber-tired equipment prior to paving.
3. Where HMA will lie within 5 feet of landscape or LID drainage improvements, the HMA should be separated from these improvements by deepened curbs or other means that will reduce the potential for moisture fluctuations in the soils beneath the HMA and improve the stability of the curbs.
4. Finished HMA surfaces should slope toward drainage facilities such that rapid runoff will occur and no ponding is allowed on or adjacent to the HMA.

Drainage and Maintenance

1. Per CBC Section 1804.4 unpaved ground surfaces should be *finish graded* to direct surface runoff away from foundations and other improvements at a minimum 5 percent grade for a minimum distance of 10 feet. The site should be similarly sloped to drain away from foundation, slopes, and other improvements during construction. Where this is not practicable due to property lines, other improvements, etc., swales with improved surfaces, area drains, or other drainage facilities, should be used to collect and discharge runoff.
2. The on-site soils are erodible; stabilization of soils disturbed during construction by vegetation or other means *during* and *following* construction, is essential to reduce erosion damage. Care should be taken to establish and maintain vegetation. The



landscaping should be planned and installed to maintain the surface drainage recommended above. Surface drainage should also be maintained during construction.

3. To reduce migration of surface drainage into the subgrade, maintenance of pavement areas is critical. Any cracks that develop in the pavement should be promptly sealed.
4. The owner should periodically observe the areas around the site to look for indications of surficial soil instability, and implement a program for controlling the abundant rodent activity in the general area.

Construction Observation and Testing

1. It must be recognized that the recommendations contained in this report are based on a limited number of borings and rely on the continuity of the subsurface conditions encountered. It is assumed that the geotechnical engineer will be retained to provide consultation during the design phase, to review final plans once they are available, to interpret this report during construction, and to provide construction monitoring in the form of testing and observation.
2. At a minimum, the geotechnical engineer should be retained to provide:
 - Review of final grading and utility plans
 - Professional observation during grading and trench backfill
 - Oversight of compaction testing during grading
 - Oversight of special inspection during grading
- Special inspection of grading should be provided as per CBC Section 1705.6 and CBC Table 1705.6. The special inspector should be under the direction of the geotechnical engineer. In our opinion, none of the grading construction is of a nature that should warrant continuous special inspection; periodic special inspection should suffice. Subject to approval by the Building Official, the exception to continuous special inspection is described in CBC Section 1704.2 and should be specified by the architect/engineer and periodic special inspection of the following items should be provided by the special inspector.
 - Stripping and clearing of vegetation
 - Overexcavation to the recommended depths
 - Scarification, moisture conditioning, and compaction of the soil



- Fill quality, placement, and compaction
 - Utility trench backfill
 - Subgrade and AB compaction and proofrolling under surface improvements
3. A program of quality control should be developed prior to beginning grading. The contractor or project manager should determine any additional inspection items required by the architect/engineer or the governing jurisdiction.
 4. Locations and frequency of compaction tests should be as per the recommendation of the geotechnical engineer at the time of construction. The recommended test location and frequency may be subject to modification by the geotechnical engineer, based upon soil and moisture conditions encountered, size and type of equipment used by the contractor, the general trend of the results of compaction tests, or other factors.
 5. A preconstruction conference should be convened by the contractor, including the owner, the geotechnical engineer, the City of Paso Robles, the special inspector, and the architect/engineer, in order to discuss planned construction procedures and quality control requirements.
 6. The geotechnical engineer should be notified at least 48 hours prior to beginning construction operations. If Earth Systems Pacific is not retained to provide construction observation and testing services, it shall not be responsible for the interpretation of the information by others or any consequences arising therefrom.

8.0 CLOSURE

Our intent was to perform the investigation in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the locality of this project under similar conditions. No representation, warranty, or guarantee is either expressed or implied. This report is intended for the exclusive use by the client as discussed in the "Scope of Services" section of this report. Application beyond the stated intent is strictly at the user's risk.



This report is valid for conditions as they exist at this time for the type of project described herein. The conclusions and recommendations contained in this report could be rendered invalid, either in whole or in part, due to changes in building codes, regulations, standards of geotechnical or construction practice, changes in physical conditions, or the broadening of knowledge.

If changes with respect to development type or location become necessary, if items not addressed in this report are incorporated into plans, or if any of the assumptions used in the preparation of this report are not correct, this firm shall be notified for modifications to this report. Any items not specifically addressed in this report shall comply with the CBC (CBSC, 2016) and the requirements of the governing jurisdiction.

The preliminary recommendations of this report are based upon the geotechnical conditions encountered at the site, and may be augmented by additional requirements of the architect/engineer, or by additional recommendations provided by the geotechnical engineer based on conditions exposed at the time of construction.

This document, the data, conclusions, and recommendations contained herein are the property of Earth Systems Pacific. This report shall be used in its entirety, with no individual sections reproduced or used out of context. Copies may be made only by Earth Systems Pacific, the client, and the client's authorized agents for use exclusively on the subject project. Any other use is subject to federal copyright laws and the written approval of Earth Systems Pacific.

Thank you for this opportunity to have been of service. If you have any questions, please feel free to contact this office at your convenience.

End of Text



TECHNICAL REFERENCES

Caltrans (California Department of Transportation). 2015. "Standard Specifications." Caltrans.

Caltrans (California Department of Transportation). 2012. "Highway Design Manual."

CPR (City of Paso Robles Department of Public Works). City Standards and Specifications Revised 2012. "*Standard Drawing U-2.*"

Google. 2017. U.S. Department of State Geographer. *Google Earth Website*. Retrieved from: <http://www.google.com/earth/index.html>

APPENDIX A

Site Vicinity Map

Boring Location Map

Boring Log Legend

Boring Logs

RTA BUS PARKING YARD-022317VICINITY8.SX11



Google Earth
© 2016 Google



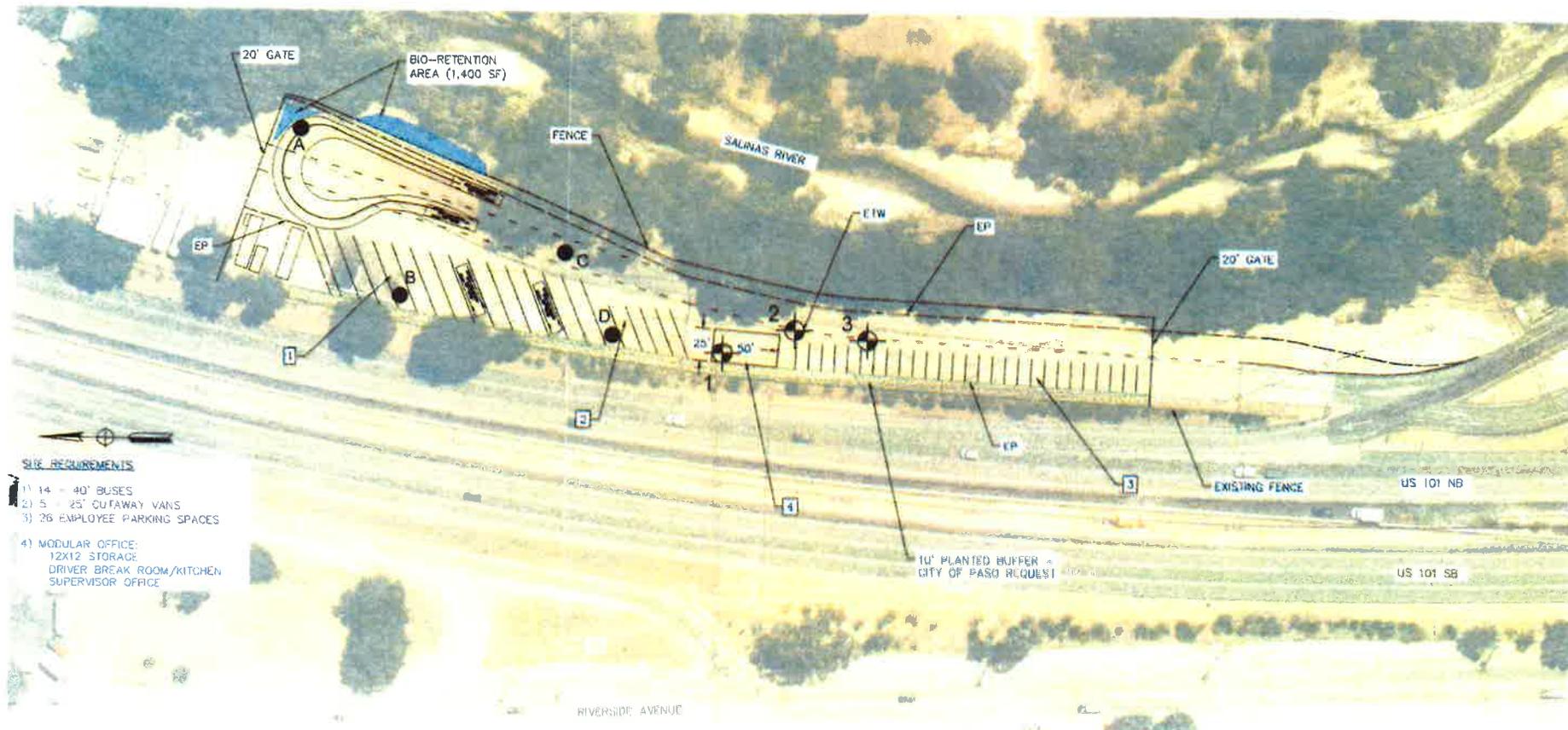
Earth Systems Pacific
 4378 Old Santa Fe Road, San Luis Obispo, CA 93401
 www.earthsystems.com
 (805) 544-3276 • Fax (805) 544-1786

SITE VICINITY MAP
RTA Bus Parking Yard
Paso Robles Street
Paso Robles, California

Date
 February 23, 2017

Project No.
 SL-17979-SA

Figure 1



SITE REQUIREMENTS

- 1) 14 - 40' BUSES
- 2) 5 - 25' CUTAWAY VANS
- 3) 26 EMPLOYEE PARKING SPACES
- 4) MODULAR OFFICE:
12X12 STORAGE
DRIVER BREAK ROOM/KITCHEN
SUPERVISOR OFFICE

LEGEND

- 3 Boring Location (Approx.)
- D ● Infiltration Test Location (Approx.)

BASE MAP PROVIDED BY: WALLACE GROUP



NOT TO SCALE



Earth Systems Pacific
4378 Old Santa Fe Road, San Luis Obispo, CA 93401
www.earthsystems.com
(805) 544-3276 • Fax (805) 544-1766

EXPLORATION LOCATION MAP
RTA Bus Parking Yard
Paso Robles Street
Paso Robles, California

Date
February 23, 2017
Project No.
SL-17979-SA

Figure 2

RTA BUS PARKING YARD-022317LOCATIONS



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53 with Automatic Hammer
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 1
 PAGE 1 OF 1
 JOB NO.: SL-17979-SA
 DATE: 02/10/17

DEPTH (feet)	USCS CLASS	SYMBOL	SOIL DESCRIPTION	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0			1.5" AC over 3" Oiled Sand					
0 - 4.0	SC		CLAYEY SAND WITH GRAVEL: brown, medium dense, moist, trace cobbles (Fill)	1.0 - 4.0	○			
5.0 - 6.5	SW		WELL GRADED SAND WITH GRAVEL: light brown, medium dense, moist, trace clay, trace to some cobbles (Alluvium)	5.0 - 6.5	■	107.5	4.1	7 14 17
10.0 - 11.5				10.0 - 11.5	●			4 8 14
15.0 - 16.5			wet	15.0 - 16.5	●			15 17 21
16.5 - 18.5			End of Boring @ 16.5' Subsurface water encountered @ 14.5'					

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53 with Automatic Hammer
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 2
 PAGE 1 OF 1
 JOB NO.: SL-17979-SA
 DATE: 02/10/17

DEPTH (feet)	USCS CLASS	SYMBOL	RTA BUS PARKING YARD Paso Robles Street Paso Robles, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0			SOIL DESCRIPTION					
0			3.0" AC over 2" AB					
0 - 5	SC		CLAYEY SAND WITH GRAVEL: light brown, medium dense, moist, trace cobbles (Fill)					
5 - 6.5	SW		WELL GRADED SAND WITH GRAVEL: light brown, medium dense, very moist, trace cobbles (Alluvium)	5.0 - 6.5		No Return		7 10 11
6.5 - 10.0			same cobbles					
10.0 - 11.5				10.0 - 11.5				50/5"
10.5			End of Boring @ 10.5' No subsurface water encountered					
11 - 26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53 with Automatic Hammer
 AUGER TYPE: 6" Hollow Stem Auger

Infiltration Test A
 PAGE 1 OF 1
 JOB NO.: SL-17979-SA
 DATE: 02/10/17

DEPTH (feet)	USCS CLASS	SYMBOL	SAMPLE DATA				
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
RTA BUS PARKING YARD Paso Robles Street Paso Robles, California							
SOIL DESCRIPTION							
0 - 1 - 2 - 3 - 4 - 5	SC		CLAYEY SAND WITH GRAVEL: light brown, loose, moist, trace debris (Fill)				
4 - 5	SC		CLAYEY SAND: dark brown, medium dense, moist (Alluvium)				
5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26			End of Boring @ 5.0' No subsurface water encountered				

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53 with Automatic Hammer
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 3
 PAGE 1 OF 1
 JOB NO.: SL-17979-SA
 DATE: 02/10/17

DEPTH (feet)	USCS CLASS	SYMBOL	SAMPLE DATA					
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.	
RTA BUS PARKING YARD Paso Robles Street Paso Robles, California								
SOIL DESCRIPTION								
0		■						
			6.5" AC over 6.0" AB					
1			End of Boring @ 1.0'					
2			No subsurface water encountered					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53 with Automatic Hammer
 AUGER TYPE: 6" Hollow Stem Auger

Infiltration Test B
 PAGE 1 OF 1
 JOB NO.: SL-17979-SA
 DATE: 02/10/17

DEPTH (feet)	USCS CLASS	SYMBOL	SOIL DESCRIPTION	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0			7.0" AC over 4.5" AB					
1	SC		CLAYEY SAND WITH GRAVEL: brown, medium dense, moist (Fill)					
2	SC		CLAYEY SAND: brown, medium dense, moist (Alluvium)					
3			orange brown					
5			End of Boring @ 5.0' No subsurface water encountered					
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53 with Automatic Hammer
 AUGER TYPE: 6" Hollow Stem Auger

Infiltration Test C

PAGE 1 OF 1
 JOB NO.: SL-17979-SA
 DATE: 02/10/17

DEPTH (feet)	USCS CLASS	SYMBOL	SAMPLE DATA				
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
RTA BUS PARKING YARD Paso Robles Street Paso Robles, California							
SOIL DESCRIPTION							
0 - 1 - 2 - 3 - 4	SC		CLAYEY SAND WITH GRAVEL: brown / dark brown mottled, medium dense, moist (Fill)				
4 - 5	SC		CLAYEY SAND: brown, medium dense, moist (Alluvium)				
5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26			End of Boring @ 5.0' No subsurface water encountered				

LEGEND:  Ring Sample  Grab Sample  Shelby Tube Sample  SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53 with Automatic Hammer
 AUGER TYPE: 6" Hollow Stem Auger

Infiltration Test D

PAGE 1 OF 1
 JOB NO.: SL-17979-SA
 DATE: 02/10/17

DEPTH (feet)	USCS CLASS	SYMBOL	SAMPLE DATA				
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
RTA BUS PARKING YARD Paso Robles Street Paso Robles, California							
SOIL DESCRIPTION							
0							
1	SC						
2							
3	SC						
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

APPENDIX B

Laboratory Test Results



RTA Bus Parking Yard

SL-17979-SA

MOISTURE-DENSITY COMPACTION TEST

ASTM D 1557-12 (Modified)

PROCEDURE USED: A

February 24, 2017

PREPARATION METHOD: Moist

Boring #1 @ 1.0 - 4.0'

RAMMER TYPE: Mechanical

Brown Clayey Sand (SC)

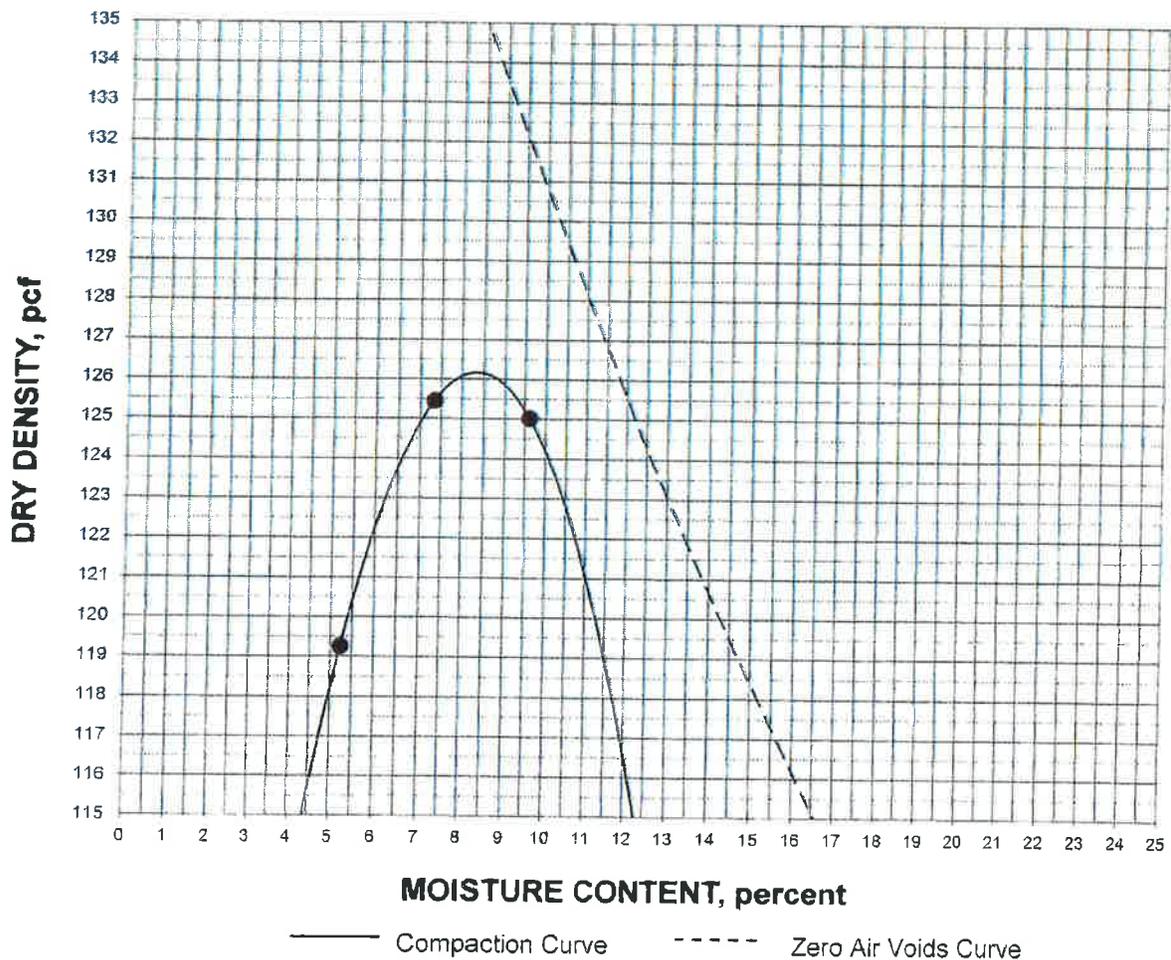
SPECIFIC GRAVITY: 2.65 (assumed)

SIEVE DATA:

Sieve Size	% Retained (Cumulative)
3/4"	0
3/8"	0
#4	6

MAXIMUM DRY DENSITY: 126.2 pcf

OPTIMUM MOISTURE: 8.3%





RTA Bus Parking Yard

SL-17979-SA

RESISTANCE 'R' VALUE AND EXPANSION PRESSURE

ASTM D 2844/D2844M-13

February 24, 2017

Boring #1 @ 1.0 - 4.0'
Brown Clayey Sand (SC)

Dry Density @ 300 psi Exudation Pressure: 115.7-pcf

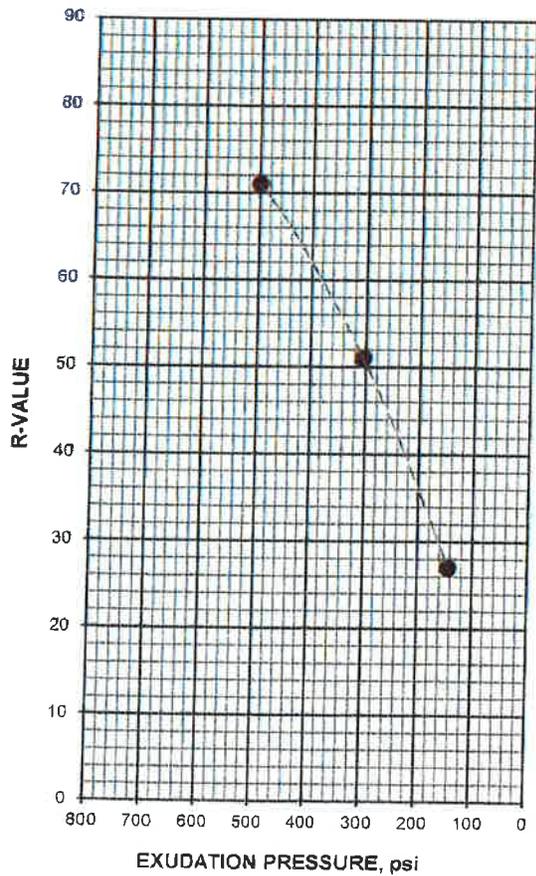
%Moisture @ 300 psi Exudation Pressure: 11.1%

R-Value - Exudation Pressure: 50

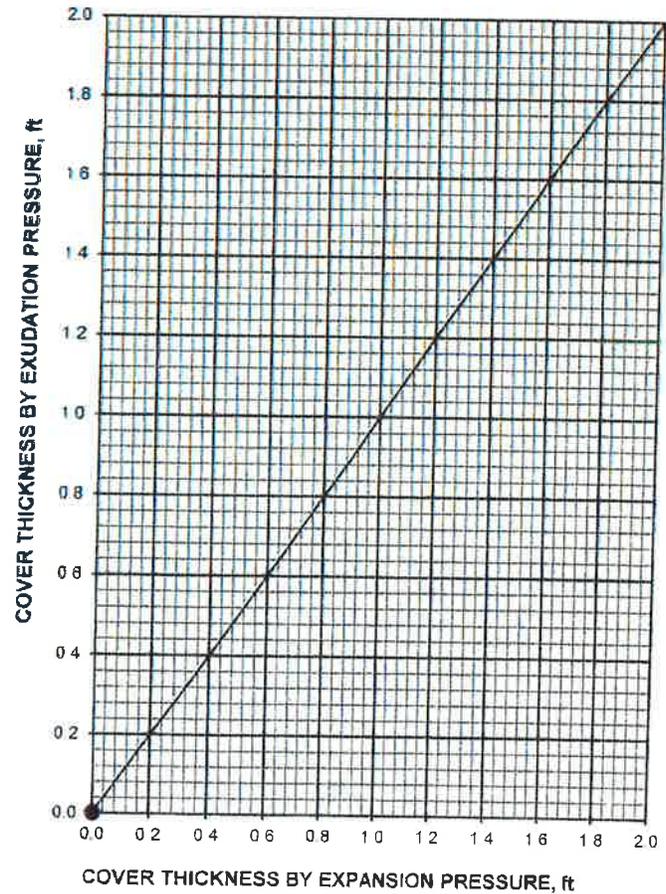
R-Value - Expansion Pressure: N/A

R-Value @ Equilibrium: 50

EXUDATION PRESSURE CHART



EXPANSION PRESSURE CHART





RTA Bus Parking Yard

SL-17979-SA

BULK DENSITY TEST RESULTS

ASTM D 2937-10 (modified for ring liners)

February 24, 2017

<u>BORING NO.</u>	<u>DEPTH feet</u>	<u>MOISTURE CONTENT, %</u>	<u>WET DENSITY, pcf</u>	<u>DRY DENSITY, pcf</u>
1	6	4.1	111.9	107.5



Project: RTA BUS PARKING YARD
Paso Robles Street, Paso Robles, CA

SL-17979-SA

INFILTRATION TEST RESULTS

Infiltration Test: A

Test Hole Diameter: 6 inches

Date Drilled: February 10, 2017

Test Hole Depth: 4.5 feet

Date Tested: February 10, 2017

Test Duration: 150 minutes

Technician: RW

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 0 gallons (0 cu.ft.)

Depth to constant head: 6.75 inches

FALLING HEAD RESULTS

INTERVAL (minutes)	READING (inches)	INCREMENTAL FALL (inches)	INFILTRATION RATE (inches / hour)
Begin	6.75	--	--
30	6.75	0.0	0.0
30	6.75	0.0	0.0
30	6.75	0.0	0.0
30	6.75	0.0	0.0



Project: RTA BUS PARKING YARD
Paso Robles Street, Paso Robles, CA

SL-17979-SA

INFILTRATION TEST RESULTS

Infiltration Test: B

Date Drilled: February 10, 2017

Date Tested: February 10, 2017

Technician: RW

Test Hole Diameter: 6 inches

Test Hole Depth: 5.0 feet

Test Duration: 110 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 2.2 gallons (0.3 cu.ft.)

Depth to constant head: 3.0 inches

FALLING HEAD RESULTS

INTERVAL (minutes)	READING (inches)	INCREMENTAL FALL (inches)	INFILTRATION RATE (inches / hour)
Begin	3.00	--	--
5	13.25	10.3	124
5	20.25	7.0	84
5	31.00	10.8	130
5	43.25	12.3	148
5	49.00	5.8	70
5	51.50	2.5	30
5	52.75	1.3	16
5	54.00	1.3	16
5	55.00	1.0	12
5	56.00	1.0	12
5	56.75	0.8	10
5	57.50	0.8	10
5	58.25	0.8	10
5	59.00	0.8	10
5	59.50	0.5	6
5	60.00	0.5	6



Project: RTA BUS PARKING YARD
Paso Robles Street, Paso Robles, CA

SL-17979-SA

INFILTRATION TEST RESULTS

Infiltration Test: C

Test Hole Diameter: 6 inches

Date Drilled: February 10, 2017

Test Hole Depth: 4.5 feet

Date Tested: February 10, 2017

Test Duration: 150 minutes

Technician: MS

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 0.7 gallons (0.1 cu.ft.)

Depth to constant head: 9.5 inches

FALLING HEAD RESULTS

INTERVAL (minutes)	READING (inches)	INCREMENTAL FALL (inches)	INFILTRATION RATE (inches / hour)
Begin	11.25	—	—
5	11.75	0.5	6
5	12.25	0.5	6
5	13.50	1.3	16
5	15.25	1.8	22
5	16.25	1.0	12
5	17.25	1.0	12
10	19.25	2.0	12
10	21.25	2.0	12
10	23.00	1.8	11
10	24.25	1.3	8
10	26.00	1.8	11
10	27.50	1.5	9
10	29.25	1.8	11
10	30.50	1.3	8
10	31.75	1.3	8



Project: RTA BUS PARKING YARD
Paso Robles Street, Paso Robles, CA

SL-17979-SA

INFILTRATION TEST RESULTS

Infiltration Test: D

Date Drilled: February 10, 2017

Date Tested: February 10, 2017

Technician: CA

Test Hole Diameter: 6 inches

Test Hole Depth: 5.0 feet

Test Duration: 130 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 8.1 gallons (1.1 cu.ft.)

Depth to constant head: 3.0 inches

FALLING HEAD RESULTS

INTERVAL (minutes)	READING (inches)	INCREMENTAL FALL (inches)	INFILTRATION RATE (inches / hour)
Begin	22.00	--	--
5	32.00	10.0	120
5	38.00	6.0	72
5	42.50	4.5	54
5	45.00	2.5	30
5	47.75	2.8	34
5	50.00	2.3	28
5	51.50	1.5	18
5	52.50	1.0	12
Refill	21.00	--	--
5	27.50	6.5	78
5	39.00	11.5	138
5	41.75	2.8	34
5	44.00	2.3	28
5	47.00	3.0	36
5	49.25	2.3	28
5	50.00	0.8	10
5	52.00	2.0	24
5	53.25	1.3	16
5	53.50	0.3	4
5	54.00	0.5	6
5	54.50	0.5	6

APPENDIX C

Infiltration Test Results



Project: RTA BUS PARKING YARD
Paso Robles Street, Paso Robles, CA

SL-17979-SA

INFILTRATION TEST RESULTS

Infiltration Test: A

Date Drilled: February 10, 2017

Date Tested: February 10, 2017

Technician: RW

Test Hole Diameter: 6 inches

Test Hole Depth: 4.5 feet

Test Duration: 150 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 0 gallons (0 cu.ft.)

Depth to constant head: 6.75 inches

FALLING HEAD RESULTS

INTERVAL (minutes)	READING (inches)	INCREMENTAL FALL (inches)	INFILTRATION RATE (inches / hour)
Begin	6.75	--	--
30	6.75	0.0	0.0
30	6.75	0.0	0.0
30	6.75	0.0	0.0
30	6.75	0.0	0.0



Project: RTA BUS PARKING YARD
Paso Robles Street, Paso Robles, CA

SL-17979-SA

INFILTRATION TEST RESULTS

Infiltration Test: B

Date Drilled: February 10, 2017

Date Tested: February 10, 2017

Technician: RW

Test Hole Diameter: 6 inches

Test Hole Depth: 5.0 feet

Test Duration: 110 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 2.2 gallons (0.3 cu.ft.)

Depth to constant head: 3.0 inches

FALLING HEAD RESULTS

INTERVAL (minutes)	READING (inches)	INCREMENTAL FALL (inches)	INFILTRATION RATE (inches / hour)
Begin	3.00	--	--
5	13.25	10.3	124
5	20.25	7.0	84
5	31.00	10.8	130
5	43.25	12.3	148
5	49.00	5.8	70
5	51.50	2.5	30
5	52.75	1.3	16
5	54.00	1.3	16
5	55.00	1.0	12
5	56.00	1.0	12
5	56.75	0.8	10
5	57.50	0.8	10
5	58.25	0.8	10
5	59.00	0.8	10
5	59.50	0.5	6
5	60.00	0.5	6



Project: RTA BUS PARKING YARD
Paso Robles Street, Paso Robles, CA

SL-17979-SA

INFILTRATION TEST RESULTS

Infiltration Test: C

Date Drilled: February 10, 2017

Date Tested: February 10, 2017

Technician: MS

Test Hole Diameter: 6 inches

Test Hole Depth: 4.5 feet

Test Duration: 150 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 0.7 gallons (0.1 cu.ft.)

Depth to constant head: 9.5 inches

FALLING HEAD RESULTS

INTERVAL (minutes)	READING (inches)	INCREMENTAL FALL (inches)	INFILTRATION RATE (inches / hour)
Begin	11.25	--	--
5	11.75	0.5	6
5	12.25	0.5	6
5	13.50	1.3	16
5	15.25	1.8	22
5	16.25	1.0	12
5	17.25	1.0	12
10	19.25	2.0	12
10	21.25	2.0	12
10	23.00	1.8	11
10	24.25	1.3	8
10	26.00	1.8	11
10	27.50	1.5	9
10	29.25	1.8	11
10	30.50	1.3	8
10	31.75	1.3	8



Project: RTA BUS PARKING YARD
Paso Robles Street, Paso Robles, CA

SL-17979-SA

INFILTRATION TEST RESULTS

Infiltration Test: D

Date Drilled: February 10, 2017

Date Tested: February 10, 2017

Technician: CA

Test Hole Diameter: 6 inches

Test Hole Depth: 5.0 feet

Test Duration: 130 minutes

CONSTANT HEAD RESULTS

Time: 30 minutes

Water added: 8.1 gallons (1.1 cu.ft.)

Depth to constant head: 3.0 inches

FALLING HEAD RESULTS

INTERVAL (minutes)	READING (inches)	INCREMENTAL FALL (inches)	INFILTRATION RATE (inches / hour)
Begin	22.00	--	--
5	32.00	10.0	120
5	38.00	6.0	72
5	42.50	4.5	54
5	45.00	2.5	30
5	47.75	2.8	34
5	50.00	2.3	28
5	51.50	1.5	18
5	52.50	1.0	12
Refill	21.00	--	--
5	27.50	6.5	78
5	39.00	11.5	138
5	41.75	2.8	34
5	44.00	2.3	28
5	47.00	3.0	36
5	49.25	2.3	28
5	50.00	0.8	10
5	52.00	2.0	24
5	53.25	1.3	16
5	53.50	0.3	4
5	54.00	0.5	6
5	54.50	0.5	6

Attachment 8. Scan of Sign-In List for Pre-Bid Meeting



179 Cross Street, Suite A
 San Luis Obispo, CA 93401
 (805) 781-4472 Fax (805) 781-1291
www.slorta.org

Sign-In List for Pre-Bid Meeting
 RTA Bus Parking Yard in Paso Robles
 September 5, 2017

<u>Name</u>	<u>Company</u>	<u>Email address</u>	<u>DBE (yes/no)?</u>
KEM O'Connell	Souza	KOCONOR@SOUSA.CONSTRUCTIONINC.COM	No
Jack Haley	Electricraft	jhaley@electricraftinc.com	No
GREG SOSSA	G Sossa Const Inc	GSOSA@AOL.COM	YES
Randy Walters	Whitaker Const. Group	birds@wcgroupinc.com	No
DAN SANCHEZ	SANSAPE CO. INC.	DAN@SANSONESG.COM	No
Cathy Zucelli	Raminha Const. Inc.	raminhaconstruction@gmail.com	Yes
John Souza	Broyle Const.	John@broyleconstruction.com	No
MARK KALOWER	CO PORTLAND	MKALOWER@COPORTLAND.COM MARRIS	No
KRISTIN FECCAVANTI	CITY OF P.R.	KFECCAVANTI@PRCITY.COM	N/A
Philip X. Niemi	County of SLO, RPS	Placiere.co.slo.ca.us	

The Regional Transit Authority is a Joint Powers Agency serving residents and visitors of:

Arroyo Grande Atascadero Grover Beach Morro Bay Paso Robles Pismo Beach San Luis Obispo and The County of San Luis Obispo

Attachment 9. Bidders List

BIDDERS LIST
RTA Bus Parking Yard in Paso Robles
September 7, 2017

General Contractor Contact List

CONFIRMED

G. Sosa Construction. Inc.
2007 Preisker Ln, Unit A
Santa Maria, CA 93454
Greg Sosa
(805) 934-3606
Fax 805-934-3609
gsosainc@aol.com

Newton Construction & Management
259 Higuera Street
San Luis Obispo, CA 93401
Brittany Blue, Bid Coordinator
805-544-5583 Office
805-544-5584 Fax
brittany@newtonconstruction.com

CalPortland Company
PO Box 1280
Santa Maria, CA 93456
Jesse Bishop - Construction General Manager
(805) 345-3466
jbishop@calportland.com

Raminha Construction, Inc.
6805 Sycamore Rd, Atascadero, CA 93422
Toby Wheeler, Estimator
(805) 461-0052
raminhaconstruction@gmail.com

Modern Building Systems Modular
Wayne Summers, Sales Manager
605 Sutter Avenue
West Sacramento, CA 95691
(916) 985-9852
wsummers@modernbuildingsystems.com
www.modernbuildingsystems.com

Sansone Company
Dan Swingley
354 Pacific Street, Ste. 210
P.O. Box 1429
San Luis Obispo, CA 93406-1429
(805) 549.0667
dan@sansoneco.com

Santa Maria Electric Inc.
408 N. Broadway
Santa Maria CA 93454
Andrew Sutton, Estimator
(805) 922-7777
andrew@smelectric.net

Whitaker Construction
2752 Concrete Ct.
Paso Robles, CA 93446
Randy Walters, Chief Estimator
(805) 226-4020
rwalters@wcgroupinc.com

Williams Scotsman Modular Buildings
Becky Whitaker, Account Executive
661-588-1990 x 48412
Cell 661-201-7681
Becky.Whitaker@as.willscot.com
www.willscot.com

Design Space Modular Buildings, Inc.
Brad W. Fallentine, Project Sales Representative
810 North Pleasant Drive
Fresno, CA 93728
(559) 233-5596
bradf@designspacemod.com
www.DesignSpaceModular.com

Mobile Modular
Cristhyan L. Monreal, Business Dev. Manager
11450 Mission Blvd.
Mira Loma, CA 91752
(951) 790-8961
Cristhyan.Monreal@mobilemodular.com
www.MobileModular.com

USModular Inc.
Bill Cavanaugh,
1369 Magnolia Avenue
Carlsbad, CA 92008
(619) 507-2727
billc@usmodularinc.com
www.usmodularinc.com

Panel Built Modular, Inc.
Seth Brinkman, Sales Assistant
302 Beasley Street
Blairsville, GA 30512
(800) 636-3873
sbrinkman@panelbuilt.com
www.panelbuilt.com

Impact Modular Construction Services
Ericka Walkder
(209) 358-0109
ewalker@impactml.com
www.impactml.com

CORRESPONDENCE (BUT NO CONFIRMATION TO BE PLACED ON BIDDER LIST)

Jacob Construction & Design (DBE)
Jacob Pickering
2436 Broad Street, Suite A
San Luis Obispo, CA 93405
(805) 460-6940
jacobpickering@jacobcd.com

S. Chaves Construction, Inc.
Nadsya Efseaff, Contract Administrator
11545 Los Osos Valley Road, Suite C-3
San Luis Obispo, CA 93405
(805) 543-9340
nadsya@schavesconstruction.com

Electricraft Electrical Contractors
Jack Haley, Estimator / Project Manager
jhaley@electricraftinc.com

ASKED TO BE REMOVED

JM Construction (declined 8/31/2017 via email)

1244 Pine Street

Suite 220

Paso Robles, CA 93426

805-472-2400

<http://www.jmconstruction.com/Company/ContactUs/Forms/mark-contact-form.php>

Sustainable Modular Management (asked to be removed 9/7/17 via email)

David Farris, Regional Sales Manager Southwest

7500 Dallas Parkway Suite 175

Plano, TX 75024

(972) 619-7306

Dfarris@sustainablemodular.com

www.sustainablemodular.com

EMAIL BROADCAST ON AUGUST 25, 2017:

J.W. Design & Construction
3563 Sueldo Street, Suite I
P.O. Box 1154
San Luis Obispo, CA 93406
(805) 544-3130
LICENSE #554910 B, General Contractor
<http://www.jwdci.com/contact.html>

D.A. Craghead Construction
3765 S Higuera St., Ste. 130
San Luis Obispo, CA 93401
(805) 541-9027
LICENSE #527942
SBA #1727040
DIR #1000010075
<http://dacraghead.com/about-us/>

NK Builders
697 Higuera St. Suite G
San Luis Obispo, CA 93401
(805) 544-4457
<http://nkbuildersinc.com/contact-us/>

Rarig Construction, Inc.
Airport Plaza
4540 Broad Street, Suite 110
San Luis Obispo, CA 93401
(805) 543-9397
<http://rarig.com/contact/>

C3 Construction & Development Inc
911 21st Street
Paso Robles, Ca. 93446
(805) 440-7106
<http://www.c3buildingcontractor.com/contact/>

Specialty Construction
645 Clarion Court
San Luis Obispo, CA 93401
(805) 543-1706
info@specialtyconstruction.com
License #619361 A,B
<https://www.specialtyconstruction.com/contact.php>

Chamblin-Landes Construction Inc.
(note: all emails bounced on 25-Aug)
1345 Riverside Avenue
P.O. Box 2577
Paso Robles, CA 93447
(805) 239-0490
info@chamblin-landes.com
<http://www.chamblin-landes.com/Contact/>

J & H ENGINEERING GENERAL CONTRACTORS,
INC. (DBE)
4085 MISSION OAKS BLVD., SUITE B
CAMARILLO, CA 93012
amy@JandHeng.com

KELLIE AVILA CONSTRUCTION SERVICES, INC
(DBE)
PO BOX 2221
ATASCADERO, CA 93423
kellie@associatedtrafficsafety.com

LA FIRMA INC. (DBE)
715 RIDGE ROAD
NIPOMO, CA 93444
estimating@theswppfirm.com

LORENZO DESIGN GROUP, INC (DBE)
3196 WILD HORSE COURT
THOUSAND OAKS, CA 91360
elina@rldesigninc.com

Electrical Contractors

CABLE LINKS CONSTRUCTION GROUP, INC.
(DBE)
5940 E SHIELDS, SUITE 101
FRESNO, CA 93727
office@clcinc.us

GALINDO ELECTRIC (DBE)
41017 ROAD 116
OROSI, CA 93647
victor.galindo@galindoelectric.com

Landscape Contractors

WILDSCAPE RESTORATION, INC. (DBE)
2500 CHANNEL DRIVE, STE. A-1
VENTURA, CA 93003
admin@wildscaperestoration.com

Earthwork and Paving

EDMONDS ASPHALT MAINTENANCE (DBE)
3500 BULLOCK LANE #23
P.O. BOX 1063
SAN LUIS OBISPO, CA 93406
edmondsasphalt@yahoo.com

G F GARCIA AND SONS, INC (DBE)
123 PARK AVE.
P.O. BOX 525
CAYUCOS, CA 93430
gfgsi@att.net

KRITZ EXCAVATING & TRUCKING, INC. (DBE)
415 VOLPI YSABEL ROAD
PASO ROBLES, CA 93446
kritztrucking@gmail.com

PAVE-RITE CONSTRUCTION, INC. (DBE)
972 RED GUM LN
P. O. BOX 5531
SANTA MARIA, CA 93456
fidaniel@charter.net

Concrete

PRE-CON PRODUCTS (DBE)
240 LOS ANGELES AVENUE
P O BOX 940669
SIMI VALLEY, CA 93094
danz@pre-conproducts.com

STONE CONCEPTS, INC (DBE)
96 SIX FLAGS CIRCLE
PO BOX 188
SANTA YNEZ, CA 93460
kristal@stoneconceptsinc.com