



**26074 Avenue Hall, Ste. 1  
Valencia, CA 91355  
P: 818-362-2200  
F: 818-362-2220  
License # 930210  
DIR #: 1000001812**

LA Pierce College  
Robert Rendon

March 30, 2019

Thank you for allowing Advanced Cable Solutions, Inc. the opportunity to provide this quotation for the electrical relocation work at LA Pierce College NOM PH II Cabling and Infrastructure.

**ACS is currently under a Master Contract with LACCD to provide services direct with the district. Please reference ACS Master Contract #40364 for Job # 40J.5J55.05 for additional information. Please reference Master Contract on PO for materials only.**

#### Bid Set Drawings:

This project is proposed per plans and Information Technology Project Imitation Form and priced in accordance with bid set Installation Standards. This design is based on documents dated 04/02/19 including e-mails dated 4/29/19 Q&A. Per LACCD this proposal is for the labor and installation of the portion of work described on page 5 Project Scope of Work (LAPC Facilities) only. Per LACCD the balance of work described in this document will be proposed separately and at another time. Please note the project clarifications throughout this proposal.

### **ACS Scope of work:**

#### **Rooms 1201, 1202, 1203, 1204, 1206**

- ACS will furnish and install raceway material below in each classroom:
  - (10') 5400TB – Raceway ivory
  - (20') 5400TC – Raceway split cover ivory
  - (1) 5400DFO – Ceiling entrance fitting ivory
  - (1) 5410 – End cap ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (15') V500 – 500 Series Steel Raceway ivory
  - (2) V511– 500 Series Steel Flat Elbow cover ivory
  - (2) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (1) Single-Gang Steel 106 duplex faceplate



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### **Room 1205**

- ACS will furnish and install raceway material below:
  - (3) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
- Demo/remove/retire existing AV cabinet anchored to floor and document camera

### **Rooms 1300**

- ACS will furnish and install raceway material below:
  - (10') 5400TB – Raceway ivory
  - (20') 5400TC – Raceway split cover ivory
  - (1) 5400DFO – Ceiling entrance fitting ivory
  - (1) 5410 – End cap ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
- Demo/remove/retire existing podium anchored to floor
- Demo/remove/retire existing TV, VCR, and mount
- Demo existing raceway and outlet and coil existing cabling in ceiling
- Demo existing electric screen and electrical wiring feeding it

### **Room 1301**

- ACS will furnish and install raceway material below:
  - (20') 2300BAC – Raceway ivory
  - (1) 2311 – Flat elbow ivory
  - (1) 2310A – Entrance End fitting ivory
  - (3) 2344 – Extra deep single gang device box
- Demo/remove/retire existing TV, VCR, and mount
- Demo existing raceway and outlet and coil existing cabling in ceiling
- Demo/reroute existing electrical raceway, wiring and outlet(s) as needed to fit 2300 series raceway in corner drop down
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (15') V500 – 500 Series Steel Raceway ivory
  - (2) V511– 500 Series Steel Flat Elbow cover ivory
  - (2) 5748 – 500 Series Steel Single-Gang Device Box ivory



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- (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
- (1) Single-Gang Steel 106 duplex faceplate

#### **Room 1302**

- ACS will furnish and install raceway material below:
  - (20') 2300BAC – Raceway ivory
  - (1) 2311 – Flat elbow ivory
  - (1) 2310A – Entrance End fitting ivory
  - (3) 2344 – Extra deep single gang device box
- Demo/remove/retire existing TV, VCR, and mount
- Demo existing raceway and outlet and coil existing cabling in ceiling if needed
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (15') V500 – 500 Series Steel Raceway ivory
  - (2) V511– 500 Series Steel Flat Elbow cover ivory
  - (2) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (1) Single-Gang Steel 106 duplex faceplate

#### **Room 1305**

- ACS will furnish and install raceway material below:
  - (20') 2300BAC – Raceway ivory
  - (1) 2311 – Flat elbow ivory
  - (1) 2310A – Entrance End fitting ivory
  - (3) 2344 – Extra deep single gang device box
- Demo/remove/retire existing TV, VCR, and mount
- Demo existing raceway and outlet and coil existing cabling in ceiling if needed
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (5') V500 – 500 Series Steel Raceway ivory
  - (1) V511– 500 Series Steel Flat Elbow cover ivory
  - (2) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (1) Single-Gang Steel 106 duplex faceplate

#### **Rooms 1308**

- ACS will furnish and install material below:
  - (10') 5400TB – Raceway ivory
  - (20') 5400TC – Raceway split cover ivory
  - (1) 5400DFO – Ceiling entrance fitting ivory
  - (1) 5410 – End cap ivory



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- (3) 5450T – Single Gang outlet mount and cover ivory
- (1) 5507MAAP – Extron 4-space frame ivory
- (2) CM-EPLA – Frame ivory
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (15') V500 – 500 Series Steel Raceway ivory
  - (2) V511– 500 Series Steel Flat Elbow cover ivory
  - (2) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (1) Single-Gang Steel 106 duplex faceplate

#### **Room 1309**

- ACS will furnish and install raceway material below:
  - (20') 2300BAC – Raceway ivory
  - (1) 2311 – Flat elbow ivory
  - (1) 2317 – Internal elbow ivory
  - (1) 2310A – Entrance End fitting ivory
  - (3) 2344 – Extra deep single gang device box
- Demo/remove/retire existing TV, VCR, and mount
- Demo existing electrical raceway and outlet if needed
- Relocate existing electrical to raceway termination point at corner of wall

#### **Room 1310**

- ACS will furnish and install raceway material below:
  - (20') 2300BAC – Raceway ivory
  - (1) 2311 – Flat elbow ivory
  - (1) 2317 – Internal elbow ivory
  - (1) 2310A – Entrance End fitting ivory
  - (3) 2344 – Extra deep single gang device box
- Demo/remove/retire existing TV, VCR, and mount
- Demo existing electrical raceway and outlet if needed

#### **Room 1311**

- ACS will furnish and install raceway material below:
  - (20') 2300BAC – Raceway ivory
  - (1) 2311 – Flat elbow ivory
  - (1) 2317 – Internal elbow ivory
  - (1) 2310A – Entrance End fitting ivory
  - (3) 2344 – Extra deep single gang device box
- Demo/remove/retire existing TV, VCR, and mount



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- Demo/remove/retire existing podium
- Demo existing electrical raceway and outlet if needed

#### **COPIER/PRINTER CABLING Building 1400 (Location TBD)**

- ACS will furnish and install raceway material if needed for data
- Provide (1) electrical outlet at copier location

#### **Room 1400**

- ACS will furnish and install raceway material below:
  - (2) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
  - (1) three-gang blank wall plate ivory
- Demo/remove/retire existing AV cabinet anchored to floor

#### **Rooms 1401**

- ACS will furnish and install raceway material below:
  - (2) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
  - (1) three-gang blank wall plate ivory
- Demo/remove/retire existing AV cabinet anchored to floor
- Demo/remove/retire existing document camera(s)

#### **Room 1402**

- ACS will furnish and install raceway material below:
  - (2) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
  - (1) three-gang blank wall plate ivory
- Demo/remove/retire existing AV cabinet anchored to floor

#### **Room 1403**

- Install contractor furnished raceway material below:
  - (2) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory



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(2) dual-gang blank wall plate ivory

- Demo/remove/retire existing AV cabinet anchored to floor

**Room 1412**

- ACS will furnish and install raceway material below:
  - (10') 5400TB – Raceway ivory
  - (20') 5400TC – Raceway split cover ivory
  - (1) 5410 – End cap ivory
  - (2) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
  - (1) three-gang blank wall plate ivory
- Demo/remove/retire existing AV cabinet anchored to floor

**Room 1413**

- ACS will furnish and install raceway material below:
  - (3) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
- Demo/remove/retire existing AV cabinet anchored to floor

**Room 1414**

- ACS will furnish and install raceway material below:
  - (3) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
- Demo/remove/retire existing AV cabinet anchored to floor

**Rooms 1415**

- ACS will furnish and install raceway material below:
  - (20') 5400TB – Raceway ivory
  - (40') 5400TC – Raceway split cover ivory
  - (1) 5400DFO – Ceiling entrance fitting ivory
  - (1) 5411FO – Flat elbow ivory
  - (1) 5410 – End cap ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:



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- (10') V500 – 500 Series Steel Raceway ivory
- (2) V511– 500 Series Steel Flat Elbow cover ivory
- (2) 5748 – 500 Series Steel Single-Gang Device Box ivory
- (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
- (1) Single-Gang Steel 106 duplex faceplate

#### **Room 1416**

- ACS will furnish and install raceway material below:
  - (20') 2300BAC – Raceway ivory
  - (1) 2311 – Flat elbow ivory
  - (1) 2317 – Internal elbow ivory
  - (1) 2310A – Entrance End fitting ivory
  - (3) 2344 – Extra deep single gang device box
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (10') V500 – 500 Series Steel Raceway ivory
  - (2) V511– 500 Series Steel Flat Elbow cover ivory
  - (2) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (1) Single-Gang Steel 106 duplex faceplate

#### **Rooms 1502**

- ACS will furnish and install raceway material below:
  - (20') 5400TB – Raceway ivory
  - (40') 5400TC – Raceway split cover ivory
  - (1) 5400DFO – Ceiling entrance fitting ivory
  - (1) 5411FO – Flat elbow ivory
  - (1) 5410 – End cap ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (10') V500 – 500 Series Steel Raceway ivory
  - (2) V511– 500 Series Steel Flat Elbow cover ivory
  - (2) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (1) Single-Gang Steel 106 duplex faceplate

#### **Room 1504**

- ACS will furnish and install raceway material below:



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- (30') 2300BAC – Raceway ivory
- (1) 2311 – Flat elbow ivory
- (1) 2317 – Internal elbow ivory
- (1) 2310A – Entrance End fitting ivory
- (3) 2344 – Extra deep single gang device box
- Extend electrical to raceway termination point at doorway with contractor provided material listed below:
  - (30') V500 – 500 Series Steel Raceway ivory
  - (4) V511– 500 Series Steel Flat Elbow cover ivory
  - (1) V518 – 500 Series Steel internal Elbow cover ivory
  - (4) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (2) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (2) Single-Gang Steel 106 duplex faceplate

#### **Room 1507**

- ACS will furnish and install material below:
  - (3) 5450 – Dual gang outlet mount ivory
  - (1) 5410 – End cap ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory

#### **Rooms 1508**

- ACS will furnish and install raceway material below:
  - (20') 5400TB – Raceway ivory
  - (40') 5400TC – Raceway split cover ivory
  - (2) 5400DFO – Ceiling entrance fitting ivory
  - (1) 5417 – Internal elbow ivory
  - (1) 5410 – End cap ivory
  - (1) 5415 – Tee adapter ivory
  - (1) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
  - (10') 2300BAC – Raceway ivory
  - (2) 2310A – Entrance End fitting ivory
  - (1) 2344 – Extra deep single gang device box

#### **Room 1511**





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- ACS will furnish and install raceway material below:
  - (30') 2300BAC – Raceway ivory
  - (2) 2311 – Flat elbow ivory
  - (2) 2317 – Internal elbow ivory
  - (2) 2310A – Entrance End fitting ivory
  - (3) 2344 – Extra deep single gang device box
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (20') V500 – 500 Series Steel Raceway ivory
  - (2) V511– 500 Series Steel Flat Elbow cover ivory
  - (2) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (1) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (1) Single-Gang Steel 106 duplex faceplate

#### **Room 1512**

- ACS will furnish and install raceway material below:
  - (40') 5400TB – Raceway ivory
  - (80') 5400TC – Raceway split cover ivory
  - (3) 5450 – Dual gang outlet mount ivory
  - (3) 5450T – Single Gang outlet mount and cover ivory
  - (1) 5507MAAP – Extron 4-space frame ivory
  - (2) CM-EPLA – Frame ivory
  - (1) three-gang blank wall plate ivory
- Demo/remove/retire existing AV cabinet anchored to floor
- Demo/remove/retire existing document camera(s)
- Extend electrical to raceway termination point at corner of wall with contractor provided material listed below:
  - (40') V500 – 500 Series Steel Raceway ivory
  - (4) V511– 500 Series Steel Flat Elbow cover ivory
  - (4) 5748 – 500 Series Steel Single-Gang Device Box ivory
  - (2) Single-Gang Steel duplex Nema 5-15R Receptacle ivory
  - (2) Single-Gang Steel 106 duplex faceplate

#### **Per information received at job walk ACS includes the following additional scope:**

- All work to be done on Friday daytime hours or swing shift.
- Load test the circuit to be extended and provide amperage reading at the panel prior to the circuit extension. Please note this test is for the District's information only and is not to be relied on as an indication of the circuit suitability to support existing or future loads. This testing is for the circuit only and does not cover panel load testing.
- Identify and label circuit number on circuits being extended.
- Laydown area will be in room 1402
- Room 1402 will be done separately from the main project as a mock up room.



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- Existing receptacle box is to be extended with an extension ring, existing receptacle will be removed, Wiremold will be surface mounted extended to new receptacle location. Blank cover will be installed over extension box at old receptacle location.
- Empty wiremold raceway will be extended from ceiling to future display for use in Phase 2 AV upgrade.
- All demo/removed equipment will be inventoried and turned over to the District at the completion of the project. ACS excludes any disposal services & fees.
- ACS understands that this is a single project that is being separated into two distinct scopes to allow separate funding mechanisms. ACS further understands that this scope as outlined above is to determine if this work can be funded in order for the rest of the project to continue. Due to the complex nature of coordination between this electrical installation and the AV installation ACS will consider accepting this portion of the work only if ACS is awarded both scopes.

#### **Additional Project Qualifications:**

1. This project is not subject to DSA review or submittals. All DSA services are excluded from scope of work.
2. Shop drawings & as-builts are not included with the scope of work
3. ACS is not responsible for Panel Load Tests which measures the average load on the panel over a specified period (minimum 3-days). This load test is provided below as an alternate add should the district want to include this service to the contract.
4. ACS assumes the district will provide unrestricted access to each building, classrooms & electrical rooms.
5. ACS is not responsible for existing loads on the circuit or any additional loads which may be added to the circuit in the future by the district.
6. ACS is not responsible for circuit load engineering & calculations
7. ACS is not responsible for Title 24 compliance
8. "Anchor mounts to corner of room for display" were covered in the original Facilities scope. No information was provided concerning type, location and if backing is suitable to support the intended function. Per email issued by district this scope has been removed. ACS excludes furnishing or installing of these mounts.
9. ACS is not responsible for drywall & ceiling cutting, patching, & painting
10. Wiremold pathways are factory fabricated white. ACS is not responsible for painting of any surface mount wiremold pathways.
11. Services not identified in the schedule of work issued by the district or specified here within is considered NIC.
12. Certified payroll is not identified in the contract documents. ACS excludes certified payroll reports
13. Electrical permits are excluded from this proposal
14. Building & rooftop penetrations are excluded from this proposal



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## **PROJECT PRICING:**

**Materials:     \$10,142.00**

**Labor:           \$165,900.00**

**TOTAL:           \$176,042.00**

## **ALTERNATE ADD:**

### **Alternate Add #1 – Panel Load Test: \$6,000.00 per Panel**

- ❖ Includes Panel Load Test Equipment to measure the average load on the electrical panel over a 3-day period. Pricing includes load test equipment & labor to set up & breakdown each electrical panel after 3-days. Pricing includes test report.

## **ACS / LACCD Historical Project Delivery Approach**

ACS has extensive experience successfully completing numerous public works projects and many within LACCD. Our approach can most easily be explained by breaking out a project into the following phases: Please note not all these items are required for every project.

- **Bid / Procurement Phase** - It is important to have the right sales / estimating team that understand code, bid set documents, plans, specs, addenda, RFIs, LACCD standards, and specific campus standards. We take pride in having one of the most experienced Account Executives / Sales Managers (Rob Harrington) in the industry with over 30 LACCD projects completed or in progress to date. All bids are also reviewed by the company's President / Owner (Jasen Smith) who has both sales and installation field experience with over 10 LACCD projects completed or in progress to date. We take our time to review all bid documents to ensure qualified bids are submitted.
- **Engineering / Design / Preconstruction Phase** - Our engineering department will be performed in house. We have CAD operators and Revit capabilities in house. Our engineering department is familiar with both district and campus standards, which allows us to expedite critical RFIs, shop drawings, and submittals quickly during the startup of the project. Our experience on these types of projects has allowed us to become very streamlined and detailed on shop drawings to mitigate rework and bid design flaws.
- **Construction Phase** - Our installation team is comprised of some of the top installers and managers in the industry. Our team has extensive experience with all aspects of construction



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including design build, plans and specs, new construction, site construction, and modernization.

- Close Out Phase - At the end of each project, our engineering and installation teams collaborate to ensure accurate as-builts, testing and commissioning, warranties, and training are provided. We take pride in our attention to detail, accuracy, and level of documentation.

While engineering and construction is in progress, it is a top priority of ACS to continually communicate with the owner. Weekly meetings are the preferred avenue to achieve this goal. It is typical with the types of projects we install to communicate with the following representatives.

1. Construction Management Team - The construction management team will be our main point of contact throughout the project. All RFI, coordination, scheduling, change orders, etc. will be routed to the owner & discussed in more details in the weekly progress meetings.
2. District and Campus IT - The District and Campus IT will be managing all data but also play a hand in auxiliary systems such as security. Communication during the design phase to walk through the project and ensure all parties are on the same page is one of the most crucial steps of the project. It is common that each school has their own internal standards and a way they like to have the finish work labeled, organized, presented, color coded, etc. These types of small details can usually be incorporated into the project if they are disclosed prior to engineering, shop drawings, and submittals. After this phase, we will request having the IT walk the project during our early phases of construction to further ensure things are being installed to the campus' expectations.
3. Campus Sherriff and M&O Department - Much like IT departments, the Campus Sherriff and M&O will play a major role in security systems. Following the same protocol as explained with IT department is also just as critical to ensure success.

## **Project Proposed Schedule**

The district has indicated that this project should be completed in in a timely manner. ACS will work with District to complete the project in 8 weeks. To meet the schedule ACS will immediately begin procurement & coordination upon project award so that maximum field work can be scheduled. June 14, 2019 will be the earliest projected completion date. ACS acknowledges the schedule and has prepared our proposal to meet this project completion date.

1. Material procurement, perform and coordinate delivery with LACCD
2. Functionality Testing of Existing Systems
3. Install mock up room 1402
4. Install raceway remaining 29 classrooms.
5. Substantial Project Completion

These milestones are not intended to flag every task. Each of these milestones will include multiple tasks & services.

ACS believes that we have a significant advantage to successfully complete this project. As previously stated, ACS has tremendous experience at Pierce College and has a great working relationship with the IT & M&O departments. ACS understands the district & campus standards and therefore will not be at a disadvantage to learn standards & system architecture, which typically leads to delays.



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Upon award of the project, ACS will generate a detailed construction project schedule with critical milestones. This schedule will be presented to the college for review & approval. ACS will also provide 1-week look ahead schedules at each weekly progress meeting. Although disruptions are expected to be minimal, weekly look-ahead schedules are critical so that all parties can be prepared to make necessary arrangements.

## **Staffing Plan:**

ACS believes that properly staffing this project will lead to a successful project with minimal disruptions & impact to the college. ACS believes that a knowledgeable project manager & project foreman is critical to properly complete this project. The project manager will be the point of contact for this project with the school. The project manager will ensure the system is engineered correctly & that accurate drawings are available for the project foreman. The project manager will also coordinate classroom availability to ensure field work can be performed efficiently and on schedule.

The project foreman will be responsible for the field technicians., ACS believes this work can be performed with 2-3 field technicians in order to meet the schedule but is prepared to increase manpower based to meet schedule.

## **Key Personnel:**

### **Firm Owners**

Jasen Smith – ACS, Inc. President (Owner)  
Company Responsibilities: President, Operations, Sales, and Design.  
Trade Experience: Over 15 Years total Experience, 13 with ACS, Inc.  
CSLB Licenses: C-7 and C10 (2008 - Current)

Ward Wieman – ACS, Inc. Vice President (Owner)  
Company Responsibilities: Vice President and Design Engineer.  
Trade Experience: Over 25 Years total Experience, 13 with ACS, Inc.  
CSLB Licenses: C-7 (1997 - Current)  
BICSI Certifications: RCDD, RTPM

### **Project Managers**

Matt Mead – ACS, Inc. Project Manager  
Company Responsibilities: Project Manager, General Foreman, and Site Supervisor.  
Trade Experience: Over 12 Years total Experience, 6 with ACS, Inc.

Abraham Velasco – ACS, Inc. Project Manager  
Company Responsibilities: Project Manager, General Foreman, and Site Supervisor.  
Trade Experience: Over 15 Years total Experience, 1 with ACS, Inc.

### **Project Superintendents**

Chris Scott – ACS, Inc. Project Superintendent



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Company Responsibilities: Project Superintendent, General Foreman, and Site Supervisor.  
Trade Experience: Over 15 Years total Experience, 12 with ACS, Inc.

Omar Lopez - ACS, Inc. Project Superintendent  
Company Responsibilities: Project Superintendent and General Foreman.  
Trade Experience: Over 18 Years total Experience, 1 with ACS, Inc.

### **Additional Key Personnel**

Rene Gomez – ACS, Inc. Project Engineer  
Company Responsibilities: Project Engineer.  
Trade Experience: Over 20 Years total Experience, 7 with ACS, Inc.

Vivian Villarreal – ACS, Inc. Office Manager  
Company Responsibilities: Manage office, including all labor compliance and payroll.  
Trade Experience: Over 15 Years total Experience, 13 with ACS, Inc.

Robert Harrington – ACS, Inc. Account Executive  
Company Responsibilities: Sales and Design.  
Trade Experience: Over 20 Years total Experience, 6 with ACS, Inc.

ACS Team Experience: All individuals have vast experience in their respective positions with the design, development, installation, management, and implementation of voice, data, audio visual, security, PA, intercom, CATV, satellite TV, fire alarm, and multimedia systems. Our team has successfully managed and implemented numerous design-build and plans & specs projects for public works in the educational sector, including over 10 projects for LACCD ranging from \$50k - \$2 Mil+. We also have extensive experience working with other higher education districts and sites, such as Coast Community College District, Santa Clarita Community College District, Rio Hondo College, UCLA, UC Riverside, CSUN, and others. Our entire team is familiar with LACCD design and construction standards as well as many campus standards. Other common skills include:

- Strong communications skills.
- Accurate budgeting and estimating skills along with creative-value engineering skills.
- Resourceful contacts and relationships with various manufacturers and manufacturer reps.
- Fluent plan, specification, and RFP interpretation.
- Knowledge and understanding of LACCD, local and state building codes, and current industry standards.
- Extensive installation and integration field experience.
- Multiple industry certifications.

ACS has listed some of our key general foremen. At ACS, we feel having a strong general foremen onsite that can perform most of the project manager's duties is a huge key to our success. The model of having a project manager that is rarely onsite can slow communication. Our general foremen are proactive in identifying and addressing problems and coordination onsite in a timely matter.

We have also listed our office manager, Vivian Villarreal. Vivian has been managing public works projects and LACCD projects for over 10 years. She has been involved with all payroll, labor compliance, project start up forms, OCIP, PLA agreements, etc. required for LACCD projects. She



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has personally overseen or self-performed these tasks for all projects. She is a valuable asset to our organization and getting the work done is only one aspect of working with LACCD. Understanding and complying with LACCD labor compliance, OCIP, local hiring, PLA agreements, certified payroll, fringe benefit reporting, etc. is equally as important as being able to perform the work. ACS understands and complies with all required LACCD labor compliance and knows how to do this well.

Please note that Jasen Smith (Owner and President) and Ward Wieman (Owner and Chief Engineer) have also been involved with every project. We consider ourselves highly experienced and well informed of LACCD standards and procedures.

## **Project References:**

Please note that all three (3) projects included are considered Higher Education facilities in California.

1. **Golden West College Fiber Backbone**
  - a. Project Name: Golden West College MDF Relocation
  - b. Project Address: 15744 Goldenwest Street, Huntington Beach, CA 92647
  - c. Project Description: Fiber backbone included a full campus installation of Sumitomo Air-Blown Fiber Tube Cable with 12-strand single-mode fiber tube cable to a total of 37 IDFs. Copper backbone scope consisted of multiple large trunk cables from 100 pair to 900 pair with strategic splice points to relocate MPOE and campus distribution copper to new Server Room. Project included the installation of a new Server Room.
  - d. Project Start: 2015
  - e. Project Completion: 2015
  - f. Project Value: \$1,330,000.00
  - g. Contract Amount: \$1,330,000.00
  - h. Owner: Community Coast College District, Randy Flint, rflint@gwc.cccd.edu, (714) 895-8974
  
2. **LA Southwest College Design Build #2**
  - a. Project Name: LA Southwest College Design Build # 2
  - b. Project Address: 1600 West Imperial Hwy, Los Angeles, CA 90047
  - c. Project Description: Modernization of (1) 5-Story Building, (1) 4-Story Building, (1) Gym Building, (1) New Construction Building Addition, (1) New Temp Library Space, and (1) Temp Student Housing Space. Project consisted of the design, installation, certification, commissioning, and manufacturer extended warranty of approximately (3,000) new category 6 station cables and backbone cabling containing multi-pair copper, single-mode, and 50-micron multimode to 4 new BDF rooms and 12 new IDFs and the construction of a new MPOE and Server Room. Also included design and installation of AV smart classrooms, Public Address, CATV, Access Control, Security / Intrusion Detection, and CCTV.
  - d. Project Start: 2011
  - e. Project Completion: 2015
  - f. Contract Amount: \$1,845,205.00
  - g. Owner: LACCD, Sunil Shah, shahsb@elac.edu, (267) 825-0923



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**3. LA Valley College – Athletic Training Facility**

- a. Project Name: Athletic Training Facility
- b. Project Address: 5800 Fulton Ave, Valley Glen, CA 91401
- c. Project Description: New fiber & copper backbone from primary & secondary MDF rooms on campus. Also included approximately 300-CAT 6 data drops.
- d. Project Start: 2015
- e. Project Completion: 2016
- f. Contract Amount: \$1,323,471.00
- g. Owner: LACCD, Sunil Shah, shahsb@elac.edu, (267) 825-0923

All work, testing, and inspections are to be done during construction hours as outlined in the scope above.

We look forward to working with your team. Upon your review of our proposal please advise us of any questions you have regarding our submission.

Sincerely,

*Robert Brice*

**Robert Brice  
Business Development**

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