

Southern California

LOGISTICS AIRPORT

PROJECT #CC20-065 RUNWAY 17/35 RECONSTRUCTION PHASE III

September 24, 2020

ADDENDUM 2

The attached constitutes additional information and serves to clarify issues considered to be part of the Southern California Logistics Airport Authority “**Runway 17/35 Reconstruction Phase III Project #CC20-065.**”

QUESTIONS

1. QUESTION: Can the QC Manager position be filled by an individual with a minimum of 10 years construction experience in airport construction without having a College degree?

ANSWER: Yes.

2. QUESTION: Will a Bachelor of Science with a focus in Project Management be acceptable for the QC Manager position?

ANSWER: Yes.

3. QUESTION: Will an onsite batch plant be required for the concrete placement?

ANSWER: Yes.

4. QUESTION: Can the Supervisor also be the Contractor’s Safety & Security Coordinator?

ANSWER: Yes.

5. QUESTION: Will airfield radios for communication with the Tower be provided by the Airport Authority?

ANSWER: No.

6. QUESTION: What is the GPM volume of the water hydrant provided for the crushing & concrete batch plant supply?

ANSWER: *The GPM tested at 900. The flow of water has been adequate for a single drum concrete batch plant on past projects.*

7. QUESTION: There are no electrical drawings or details for Bid Schedule 200.

ANSWER: Electrical components of the runway shortening are shown on the plan view sheets. There are no separate electrical sheets.

8. QUESTION: There are no drawings or details for the AWOS Bid Schedule 300.

ANSWER: The plans and specifications for the AWOS Bid Proposal Price Schedule 300 were inadvertently omitted. They are included with this Addendum.

9. QUESTION: Who is the manufacture of the existing RDR Signs?

ANSWER: ADB.

STATEMENTS

1. SECTION C *REQUIRED BID DOCUMENTS* MODIFICATIONS:

Bid Proposal Price Schedules are hereby replaced by the attached Bid Proposal Price Schedules forms labeled "ADDENDUM 2." **ONLY THE ATTACHED VERSION OF THE BID PROPOSAL FORMS WILL BE ACCEPTED.** The new schedules reflect the following revisions:

- i. Bid Item 151 – Deleted
- ii. Bid Item 121 – Description revised to "Remove Portland Cement Concrete and Crush to P-304 Specifications (G-301-4.4)"
- iii. Bid Item 119 – Quantity revised to 13,000 TN
- iv. Bid Item 207 – Quantity revised to 6,500 TN
- v. Bid Item 208 – Quantity revised to 1,000 LF
- vi. Bid item 224 – Quantity revised to 3,300 Cyd
- vii. Bid Item 225 – Quantity revised to 3,300 Cyd

2. PRE-BID MEETING SIGN-IN SHEET(S):

- i. Pre-bid meeting sign-in sheets are attached.

3. AWOS PLAN DRAWING AND SPECIFICATIONS:

- i. The scope of work contemplated for the AOWS under Bid Proposal Price Schedule 300 is depicted on the single drawing entitled "SCLA AWOS Relocation" and described in the "AWOS Relocation Scope of Work". FAA Advisory Circular AC150-5220-16E *AWOS for Non-Fed Applications* and two Corning fiber optic specification sheets provide additional guidance. The aforementioned documents, sans the Advisory Circular, are attached hereto and labeled "Addendum 2".
- ii. Aside from the AWOS work in Item i above, the single drawing entitled "SCLA AWOS Relocation" provides graphic guidance for relocation of other navigational aids that are represented in Bid Proposal Price Schedule 200.

Should you have any questions or concerns regarding this project or any of the project documentation, please email or fax them to Celeste Calderon, Finance Specialist at cmcalderon@victorvilleca.gov or (760) 269-0045 respectively.

PRE-BID MEETING SIGN IN SHEET

September 16, 2020
SCLA ADMIN BLDG. @10:00 A.M.

PROJECT NAME: RUNWAY 17/35 RECONSTRUCTION – PHASE III

PROJECT #: CC20-065

This meeting is mandatory

COMPANY NAME & REPRESENTATIVE	ADDRESS	PHONE #	FAX #	E-MAIL
SCLA – Eric Ray Airport Director	Airport Admin Building	(760) 243 -1910		eray@victorvilleca.gov
SCLA - James Murawski Airport Ops & Facilities Manager	Airport Admin Building	(760) 243 -1945		jmurawski@victorvilleca.gov
SCLA – Heather Kurowski, Airport Specialist	Airport Admin Building	(760) 243 -1905		hkurowski@victorvilleca.gov
City of Victorville – Elizabeth Salcido Finance Technician	14343 Civic Dr. Victorville, CA 92392	(760) 243-6371	(760) 269-0045	esalcido@victorvilleca.gov
City of Victorville – Bruce Miller Buyer	14343 Civic Dr. Victorville, CA 92392	(760) 955-5085	(760) 269-0045	bmiller@victorvilleca.gov
Padilla & Associates Jared Pappas, DBE Compliance Consultant	211 E. City Place Dr. Santa Ana, CA 92705	(949) 735-1635		jpappas@padillainc.com
WSP USA Michael Stewart, Senior Inspector	862 E. Hospitality Ln. San Bernardino, CA 92408	(951) 212-3319		mike.stewart@wsp.com
WSP USA George Harvilla PE, Sr. Supervising Engr., Prj Mgr.	862 E. Hospitality Ln. San Bernardino, CA 92408	(909) 615-6716		george.harvilla@wsp.com
Sully-Miller Contracting Jesse Flores, Senior Project Estimator	135 S. State College Blvd., Ste 400, Brea, CA 92821	(714) 578-9600		estimating@sully-miller.com
C. A. Rasmussen Eric Peterson, Project Manager/Estimator	28548 Livingston Ave. Valencia, CA 91355	(805) 331-9499		ericp@carasmussen.com

PRE-BID MEETING SIGN IN SHEET

September 16, 2020
 SCLA ADMIN BLDG. @10:00 A.M.

PROJECT NAME: RUNWAY 17/35 RECONSTRUCTION – PHASE III

PROJECT #: CC20-065

This meeting is mandatory

COMPANY NAME & REPRESENTATIVE	ADDRESS	PHONE #	FAX #	E-MAIL
Pave-Tech Daniel Zavalani, Estimator	2231 La Mirada Dr. Vista, CA 92081	(760) 727-8700		mainoffice@pave-tech.com
Pave-Tech Jerry Keepers, Superintendent	2231 La Mirada Dr. Vista, CA 92081	(951) 333-7130		jerry@pave-tech.com
Coffman Specialties Abraham Ramirez, Engineer/Estimator	9685 Via Excelencia, Ste 200, San Diego, CA 92126	(858) 536-3100		estimating@coffmanspecialties.com
Burns & McDonnell Curt Ingraham	140 So. State College Blvd., Brea, CA 92821	(760) 981-2126		ccingraham@mcd.com

**SOUTHERN CALIFORNIA LOGISTICS AIRPORT AUTHORITY
CC20-065 RUNWAY 17/35 RECONSTRUCTION PHASE III**

BID PROPOSAL PRICE SCHEDULES

The undersigned declares he has carefully examined the site of the proposed work, the proposal, plans, specifications, and contract forms. Bidders shall satisfy themselves to the character, quality, and quantities of work to be performed, availability of materials, tools, equipment, incidentals, and labor to be furnished, and to the requirements of the proposed contract. The submission of a proposal shall be prima facie evidence that the bidder has made such examination and is satisfied to the conditions to be encountered in performing the work and the requirements of the proposed contract, plans, and specifications to complete all the work for Phase III Base Bid in accordance with all the provisions of the Contract Documents for the prices set forth in the following schedules:

BASE BID SCHEDULE 1 – RUNWAY 17/35 RECONSTRUCTION - Station 59+36.69 to 66+86.69 and TAXIWAY D

Bid Item	Description	U. M.	Bid Quantity	Unit Price	Total
101	Mobilization (C-105-10.1)	LS	1		\$
102	Bonds and Insurance (C-105-10.2)	LS	1		\$
103	Personnel Training (G-102-5.2)	Allow	1		\$10,000.00
104	Provide Low-Profile Barricade (G-102-5.1)	EA	25	\$	\$
105	Soil Erosion, and Siltation Control – on Finish Stockpile (C-102-5.1)	LS	1		\$
106	Additional Soil Erosion, and Siltation Control (C-102-5.2)	Allow			\$30,000.00
107	Utility Relocation (G-201-4.1)	Allow			\$10,000.00
108	Administrative Delay (G-201-4.2)	Allow			\$50,000.00
109	Perimeter Road Repair (G-201-4.3)	Allow			\$30,000.00
110	Remove Existing conduit and Conductors (P-101-5.2)	LF	450	\$	\$
111	Remove existing Light Foundation (P-101-5.3)	EA	2	\$	\$
112	Remove and Salvage Existing Edge Light (L-125-5.2)	EA	2	\$	\$
113	Provide Quality Control Testing for P-152 (C-100-5.1)	Cyd	5,722	\$	\$
114	Provide Quality Control Testing for P-208 (C-100-5.2)	SF	150,500	\$	\$
115	Provide Quality Control Testing for P-304 (C-100-5.3)	SF	150,500	\$	\$
116	Provide Quality Control Testing for P-501 (C-100-5.4)	SF	152,316	\$	\$
117	Provide Quality Control Testing for P-403 (C-100-5.5)	SF	57,990	\$	\$
118	Cold Mill 0.21 Shoulder Cut (P-101-5.1)	SF	45,980	\$	\$
119	Remove Asphalt Concrete and Crush to P-208 Specifications (G-301-4.1)	TN	13,000	\$	\$
120	Crush Stockpiled Portland Cement Concrete to P-304 Specifications (G-301-4.3)	TN	2,400	\$	\$
121	Remove Portland Cement Concrete and Crush to P-304 Specifications (G-301-4.4)	TN	2,400	\$	\$
122	Salvage Existing Aggregate Base and crush to P-304 Specifications (G-301-4.2)	TN	350	\$	\$

ADDENDUM 2

123	Over-excavation and Re-compaction P-152 95% (P-152-4.1)	Cyd	5,722	\$	\$
124	Haul and Stockpile Excess or Unsuitable Excavation (P-152-4.2)	CYd	5,722	\$	\$
125	Structural Section Subgrade Preparation (P-152-4.3)	SF	152,000	\$	\$
126	Place 6" Aggregate Base Course P-208 (P-208-5.1)	SF	150,300	\$	\$
127	Construct 5" Cement Treated Base (P-304-8.1)	SF	150,300	\$	\$
128	Provide Cement (tons) (P-304-8.2)	TN	181	\$	\$
129	Provide Hot-Mix Asphalt P-403 Base Course - 0.21' (P-403-8.1)	SF	57,790	\$	\$
130	Provide Hot-Mix Asphalt P-403 Base Course - 0.83' (P-403-8.2)	SF	200	\$	\$
131	Provide Non-reinforced Portland Cement Concrete Pavement (t=17.5") (W=150') (P-501-8.1)	SF	112,500	\$	\$
132	Provide Non-reinforced Portland Cement Concrete Pavement (T=17.5") (W=100') (P-501-8.4)	SF	28,950	\$	\$
133	Provide Non-reinforced Portland Cement Concrete Pavement TW E Pipe Xing(T=18") (P-501-8.3)	SF	1,088	\$	\$
134	Provide Reinforced Portland Cement Concrete Pavement (T=17.5") (P-501-8.2)	SF	8,778	\$	\$
135	Construct Thickened Edge Joint - Detail A4, Sheet C10.2.2 (P-501-8.5)	LF	1,100	\$	\$
136	Construct Isolation Edge Joint - Detail C3, Sheet C10.2.2 (P-501-8.6)	LF	450	\$	\$
137	Provide Pavement Markings With Beads (P-620-5.1)	SF	8,500	\$	\$
138	Provide Pavement Markings Without Beads (P-620-5.2)	SF	4,000	\$	\$
139	Construct Pavement Marking Control Strip (P-620-5.3)	LS	1	\$	\$
140	Saw-Cut Grooving (P-621-5.1)	SF	97,500	\$	\$
141	PCCP Edge CLSM Backfill (P-153-6.1)	LF	2,200	\$	\$
142	Provide 0.12 gal/sy SS1-h asphaltic emulsion seal coat-1 coat (P-623-7.1)	SF	17,680	\$	\$
143	Re-Saw and re-seal Existing PCCP Joint (TW D) ((P-605-5.1)	LF	2,075	\$	\$
144	Furnish and Install L-868 Light Can (L-125-8.12)	EA	2	\$	\$
145	Install Salvaged Light (L-125-5.5)	EA	2	\$	\$
146	Furnish and Install 1-2" PVC Conduit encased - in soil (L-110-5.2)	LF	450	\$	\$
147	Furnish and Install Bare #6 conductor (L-108-5.2)	LF	460	\$	\$
148	Furnish and Install L-824 #6 Conductor (L-108-5.1)	LF	475	\$	\$
149	Furnish and Install Blank Cover (L-125-5.8)	EA	1	\$	\$
150	Connect to Existing Circuit (L-125-5.9)	EA	2	\$	\$

Total Base Bid Schedule 1 \$ _____

Total Base Bid Schedule 1 _____ (dollars)
(in words)

BASE BID SCHEDULE 2 – RUNWAY SHORTENING

Bid Item	Description	U. M.	Bid Quantity	Unit Price	Total
201	Bonds and insurance (C-105-10.2)	LS	1		\$
202	Remove Existing Pavement Markings (P-101-5.4)	SF	50,040	\$	\$
203	Remove and Salvage Existing Edge Light (L-125-5.2)	EA	73	\$	\$
204	Remove and Salvage Existing Sign (L-125-5.6))	EA	6	\$	\$
205	Install Salvaged Edge Light (L-125-5.5)	EA	25	\$	\$
206	Remove Existing Conduit and Conductor (P-101-5.2)	LF	2,000	\$	\$
207	Remove Asphalt Concrete and Crush to P-208 Specifications (G-301-4.1) (T=0.67')	TN	6,500	\$	\$
208	Furnish and Install 1-2" PVC Conduit in Pavement (L-110-5.1)	LF	1,000	\$	\$
209	Remove Existing Sign Foundation (P-101-5.5)	EA	5	\$	\$
210	Install Salvaged Sign (L-125-5.7)	EA	15	\$	\$
211	Remove Existing Light Foundation (P-101-5.3)	EA	12	\$	\$
212	Provide 0.12 gal/'sy SS1-h sealcoat, 2-coat (P-623-7.2)	SF	436,250	\$	\$
213	Furnish and Install Bare #6 Conductor (L-108-5.2)	LF	1,150	\$	\$
214	Furnish and Install L-824 #6 Conductor (L-108-5.1)	LF	1,500	\$	\$
215	Connect to Existing Circuit (L-125-5.9)	EA	7	\$	\$
216	Provide Slurry Seal to removed markings (P-626-6.1)	SF	50,040	\$	\$
217	Provide Pavement Marking with Beads (P-620-5.1)	SF	55,100	\$	\$
218	Provide Pavement Marking without Beads (P-620-5.2)	SF	12,410	\$	\$
219	Relocate RDR sign panel (L-125-5.3)	EA	24	\$	\$
220	Provide new RDR sign panel (L-125-5.4)	EA	2	\$	\$
221	Furnish and Install blank cover (L-125-5.8)	EA	68	\$	\$
222	Furnish and Install L-867 Light Can (L-125-5.1)	EA	8	\$	\$
223	Reinstall PAPI System on new foundation (L-125-5.11)	LS	1	\$	\$
224	Backfill to drain (P-152-4.4)	Cyd	3,300	\$	\$
225	Provide Quality Control Testing P-152 (C-100-5.1)	Cyd	3,300	\$	\$
226	Provide 1-2" Sch 40 PVC Conduit in Soil (L-110-5.2)	LF	270	\$	\$
227	Provide 2-2" Sch 40 PVC Conduit in Soil (L-110-5.3)	LF	1325	\$	\$
228	Provide 4-2" Sch 40 PVC Conduit in Soil (L-110-5.4)	LF	1715	\$	\$
229	Provide Directional Bore 4-2" PVC Conduit (L-112-5.1)	LF	470	\$	\$
230	Provide L868 Class A, Size C Light Can (L-125-5.12)	EA	8	\$	\$
231	Provide L850D in Pavement Threshold light (L-125-5.22)	EA	8	\$	\$
232	Provide L806, Size 1, Style 1A, Supplemental Wind Cone (L-125-5.23)	LS	1		\$
233	Provide L849I, LED Runway End Identifier Light System (L-125-5.10)	LS	1		\$

BASE BID SCHEDULE 3 - AWOS

Bid Item	Description	U. M.	Bid Quantity	Unit Price	Total
301	Bonds And Insurance (C-105-10.2)	LS	1		\$
302	Terminate and Tag Existing L-824 Cable for future use (L-125-5.13)	LS	1		\$
303	Provide #8 AWG L-824 Conductor with brass tags (L-108-5.3)	LF	1,400	\$	\$
304	Provide Precast H20 rated 24"x36" precast vault with traffic rated cover, Jensen PB2436 & CA2436A! or approved equal (L-115-5.1)	EA	3	\$	\$
305	Salvage Existing Transformer, Service Equipment, Transfer Switch and Disconnects. (L-125-5.14)	LS	1		\$
306	Install Salvaged Transformer, Service Equipment, Transfer Switch and Disconnects. (L-125-5.15)	LS	1		\$
307	Provide new Transformer Pad (L-125-5.16)	LS	1		\$
308	Provide ¾"x10' copper clad ground rods (L-115-5.3)	EA	4	\$	\$
309	Provide New AWOS III P/T per FAA A/C 150/5220-16E (L-125-5.17)	LS	1		\$
310	Provide #8 AWG Bare Cu Bond Conductor (L-108-5.4)	LF	700	\$	\$
311	Provide 4- 2" Schedule 40 PVC Conduit in Soil (L-110-5.4)	LF	600	\$	\$
312	Provide 2- 2" Schedule 40 PVC Conduit in Soil (L-110-5.3)	LF	500	\$	\$
313	Remove and Preserve 96 Strand Fiber Optic Cable (L-125-5.18)	LF	2,000	\$	\$
314	Install Preserved 96 Strand Fiber Optic Cable in New Conduit (L-125-5.19)	LF	450	\$	\$
315	Provide 36"x24" Type 4 Enclosure for Fiber Optic Termination (L-125-5.20)	EA	1	\$	\$
316	Terminate 96 Strand Fiber Optic Cable (L-125-5.21)	LS	1		\$

Total Base Bid Schedule 3 \$ _____

Total Base Bid Schedule 3 _____ **(dollars)**
 (in words)

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BID ALTERNATE No. 1 – RUNWAY 17/35 RECONSTRUCTION Station 56+94.19 to 50+36.69

Bid Item	Description	U. M.	Bid Quantity	Unit Price	Total
1001	Bonds and Insurance (C-105-10.2)	LS	1		\$
1002	Provide Quality Control Testing for P-152 (C-100-5.1)	CYd	1,365	\$	\$
1003	Provide Quality Control Testing for P-208 (C-100-5.2)	SF	36,375	\$	\$
1004	Provide Quality Control Testing for P-304 (C-100-5.3)	SF	36,375	\$	\$
1005	Provide Quality Control Testing for P-501 (C-100-5.4)	SF	36,375	\$	\$
1006	Provide Quality Control Testing for P-403 (C-100-5.5)	SF	3,395	\$	\$
1007	Cold Mill 0.21' Shoulder Cut. (P-101-5.1)	SF	3,395	\$	\$
1008	Remove Asphalt Concrete and Crush to P-208 Specifications (G-301-4.1)	TN	1,364	\$	\$
1009	Salvage Existing Aggregate Base and crush to P-308 Specifications (P-301-4.2)	TN	2,175	\$	\$
1010	Over-excavation and Re-compaction P-152 95% (P-152-4.1)	Cyd	1,365	\$	\$
1011	Haul and Stockpile Excess or Unsuitable Excavation (P-152-4.2)	CYd	1,502	\$	\$
1012	Structural Section Subgrade Preparation (P-152-4.3)	SF	36,860	\$	\$
1013	Place 6" Aggregate Base Course P-208 (P-208-5.1)	SF	36,375	\$	\$
1014	Construct 5" Cement Treated Base (P-304-8.1)	SF	36,375	\$	\$
1015	Provide Cement (P-304-8.3)	TN	40	\$	\$
1016	Provide Hot-Mix Asphalt P-403 Base Course - 0.21' (P-403-8.1)	SF	3,395	\$	\$
1017	Provide Non-reinforced Portland Cement Concrete Pavement (t=17.5") (P-501-8.1)	SF	36,375	\$	\$
1018	Provide Pavement Markings With Beads (P-620-5.1)	SF	1,940	\$	\$
1019	Provide Pavement Markings Without Beads (P-620-5.2)	SF	647	\$	\$
1020	Provide Sawcut Grooving (P-621-5.1)	SF	31,525	\$	\$
1021	PCCP Edge CLSM Backfill (P-153-6.1)	LF	485	\$	\$
1022	Provide 0.12 gal/SY SS1-h asphaltic emulsion seal coat (Shoulder)(P-623-8.1)	SF	3,880	\$	\$

Total Bid Alternate No. 1 \$ _____

Total Bid Alternate No. 1 _____ **(dollars)**
 (in words)

BID ALTERNATE No. 2 – RUNWAY 17/35 RECONSTRUCTION Station 54+51.69 to 56+94.19

Bid Item	Description	U. M.	Bid Quantity	Unit Price	Total
2001	Bonds and Insurance (C-105-10.2)	LS	1		\$
2002	Provide Quality Control Testing for P-152 (C-100-5.1)	CYd	1,365	\$	\$
2003	Provide Quality Control Testing for P-208 (C-100-5.2)	SF	36,375	\$	\$
2004	Provide Quality Control Testing for P-304 (C-100-5.3)	SF	36,375	\$	\$
2005	Provide Quality Control Testing for P-501 (C-100-5.4)	SF	36,375	\$	\$
2006	Provide Quality Control Testing for P-403 (C-100-5.5)	SF	3,395	\$	\$
2007	Cold Mill 0.21' Shoulder Cut. (P-101-5.1)	SF	3,395	\$	\$
2008	Remove Asphalt Concrete and Crush to P-208 Specifications (G-301-4.1)	TN	1,364	\$	\$
2009	Salvage Existing Aggregate Base and crush to P-308 Specifications (P-301-4.2)	TN	2,175	\$	\$
2010	Over-excavation and Re-compaction P-152 95% (P-152-4.1)	Cyd	1,365	\$	\$
2011	Haul and Stockpile Excess or Unsuitable Excavation (P-152-4.2)	CYd	1,502	\$	\$
2012	Structural Section Subgrade Preparation (P-152-4.3)	SF	36,860	\$	\$
2013	Place 6" Aggregate Base Course P-208 (P-208-5.1)	SF	36,375	\$	\$
2014	Construct 5" Cement Treated Base (P-304-8.1)	SF	36,375	\$	\$
2015	Provide Cement (P-304-8.3)	TN	40	\$	\$
2016	Provide Hot-Mix Asphalt P-403 Base Course - 0.21' (P-403-8.1)	SF	3,395	\$	\$
2017	Provide Non-reinforced Portland Cement Concrete Pavement (t=17.5") (P-501-8.1)	SF	36,375	\$	\$
2018	Provide Pavement Markings With Beads (P-620-5.1)	SF	1,940	\$	\$
2019	Provide Pavement Markings Without Beads (P-620-5.2)	SF	647	\$	\$
2020	Provide Sawcut Grooving (P-621-5.1)	SF	31,525	\$	\$
2021	PCCP Edge CLSM Backfill (P-153-6.1)	LF	485	\$	\$
2022	Provide 0.12 gal/SY SS1-h asphaltic emulsion seal coat (Shoulder)(P-623-8.1)	SF	3,880	\$	\$

Total Bid Alternate No. 2 \$ _____

Total Bid Alternate No. 2 _____ (dollars)
 (in words)

BID ALTERNATE No. 3 – RUNWAY 17/35 RECONSTRUCTION Station 52+09.19 to 54+51.69

Bid Item	Description	U. M.	Bid Quantity	Unit Price	Total
3001	Bonds and Insurance (C-105-10.2)	LS	1		\$
3002	Provide Quality Control Testing for P-152 (C-100-5.1)	CYd	1,365	\$	\$
3003	Provide Quality Control Testing for P-208 (C-100-5.2)	SF	36,375	\$	\$
3004	Provide Quality Control Testing for P-304 (C-100-5.3)	SF	36,375	\$	\$
3005	Provide Quality Control Testing for P-501 (C-100-5.4)	SF	36,375	\$	\$
3006	Provide Quality Control Testing for P-403 (C-100-5.5)	SF	3,395	\$	\$
3007	Cold Mill 0.21' Shoulder Cut. (P-101-5.1)	SF	3,395	\$	\$
3008	Remove Asphalt Concrete and Crush to P-208 Specifications (G-301-4.1)	TN	3,765	\$	\$
3009	Salvage Existing Aggregate Base and crush to P-308 Specifications (P-301-4.2)	TN	897	\$	\$
3010	Over-excavation and Re-compaction P-152 95% (P-152-4.1)	Cyd	1,365	\$	\$
3011	Haul and Stockpile Excess or Unsuitable Excavation (P-152-4.2)	CYd	1,502	\$	\$
3012	Structural Section Subgrade Preparation (P-152-4.3)	SF	36,860	\$	\$
3013	Place 6" Aggregate Base Course P-208 (P-208-5.1)	SF	36,375	\$	\$
3014	Construct 5" Cement Treated Base (P-304-8.1)	SF	36,375	\$	\$
3015	Provide Cement (P-304-8.3)	TN	40	\$	\$
3016	Provide Hot-Mix Asphalt P-403 Base Course - 0.21' (P-403-8.1)	SF	3,395	\$	\$
3017	Provide Non-reinforced Portland Cement Concrete Pavement (t=17.5") (P-501-8.1)	SF	36,375	\$	\$
3018	Provide Pavement Markings With Beads (P-620-5.1)	SF	1,940	\$	\$
3019	Provide Pavement Markings Without Beads (P-620-5.2)	SF	647	\$	\$
3020	Provide Sawcut Grooving (P-621-5.1)	SF	31,525	\$	\$
3021	PCCP Edge CLSM Backfill (P-153-6.1)	LF	485	\$	\$
3022	Provide 0.12 gal/SY SS1-h asphaltic emulsion seal coat (Shoulder)(P-623-8.1)	SF	3,880	\$	\$

Total Bid Alternate No. 3 \$ _____

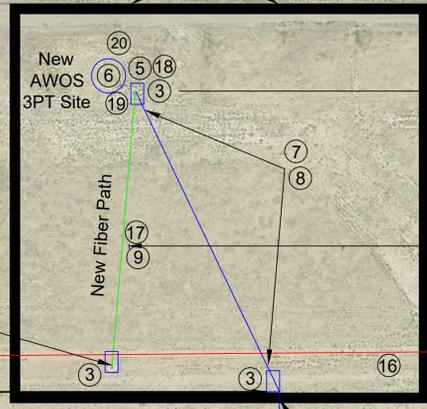
Total Bid Alternate No. 3 _____ **(dollars)**
 (in words)

Southern California Logistics Airport AWOS Relocation AIP # 03-06-0359-025-2019



SCALE 1" = 150'
0 150 300 450

Schedule 300



Existing Fiber Cans
INTERCEPT FIBER HERE

280' From CL
RSA is 270' CL

Approximately 2000'

Approximately 700'

Existing Fiber Path

Future
Threshold
Location

Existing
Lighting Can

Runway 17/35

Airport
Lighted 'X'

Existing
REIL

New Papi
Location

Existing
Lighting Can

New Wind Cone
Location

280' From CL
RSA is 270' CL

Contractor to site and
survey new runway
threshold 2000' south
of existing threshold in
accordance to FAA
standards

Existing
Wind
Cone

Taxiway Echo

Existing PAPI #8 AWG L824 Single-Conductor
cable (6.6A Constant Current)

Existing AWOS #8 AWG L824
Conductor cable (4160V)

Existing Electrical Vault
Feeding Papis and AWOS -
INTERCEPT HERE

Taxiway Echo

- ① BRASS TAG AND SAFE END EXISTING #8 AWG L824 CONDUCTOR CABLE TO PRESERVE FOR FUTURE USE
- ② #8 AWG L824 SINGLE-CONDUCTOR CABLE WITH GROUND IN ONE OF THE 2" CONDUITS
- ③ CONTRACTOR TO SUPPLY AND INSTALL GROUND BOX: 24" x 36" PRECAST RATED FOR H2O LOAD; STYLE PB2436 BOX AND CA2436AI COVER BY JENSEN PRECAST OR APPROVED EQUAL
- ④ REMOVE XFMR, TRANSFER SWITCH, PANEL BOARD, AND DISCONNECTS AND PRESERVE FOR RE-INSTALLATION.
- ⑤ INSTALL 25KVA, 4160/240/120V XFMR PRESERVED FROM DEMOLITION AT NEW AWOS SITE ON NEW CONCRETE PAD. TIE XFMR PRIMARY CIRCUIT CONSTRUCTED BY CONTRACTOR. PROVIDE RELOCATED XFMR WITH #8 AWG BARE COPPER EARTH ELECTRODE CONDUCTOR TO (2) 3/4" X 10 FT COPPER-CLAD STEEL GROUND RODS; SPACE RODS NO CLOSER THAN 10 FT. PROVIDE INSTALLED XFMR WITH ADDITIONAL 2" SCHED 0 PVC 90 DEG SWEEP FROM SECONDARY THRU CONCRETE PAD; SECONDARY WIRING AND REMAINING CONDUIT TO AWOS EQUIPMENT PROVIDED BY VENDOR
- ⑥ AN AUTHORIZED FAA VENDOR SHALL FURNISH AND INSTALL AWOS III P/T. CONTRACTOR TO SITE NEW LOCATION BASED ON NEW THRESHOLD LOCATION IN ACCORDANCE WITH THE FAA STANDARDS
- ⑦ #8 AWG L824 4160V CONDUCTOR CABLE WITH GROUND IN ONE OF THE 2" CONDUITS
- ⑧ (4) 2" CONDUITS SCHED 80 PVC WITH NYLON PULL CORD - 18" BELOW FINISH GRADE
- ⑨ (2) 2" CONDUITS SCHED 80 PVC WITH NYLON PULL CORD - 18" BELOW FINISH GRADE
- ⑩ (1) 2" CONDUITS SCHED 80 PVC WITH NYLON PULL CORD - 18" BELOW FINISH GRADE
- ⑪ DIRECTIONAL BORE (4) 2" CONDUITS
- ⑫ CONTRACTOR TO PROVIDE AND PLACE (2) 2" CONDUITS, (8) L868 15" LIGHTING CANS, (8) L850-D IN-PAVEMENT THRESHOLD LIGHTS & TRENCH AND REPLACE PAVEMENT
- ⑬ FURNISH & INSTALL (2) L862E FAA APPROVED LED CURRENT DRIVEN RUNWAY END IDENTIFIER LIGHTS. INSTALL (1) 2" CONDUIT. EXTEND PRIMARY CIRCUIT FROM NEAREST RWY EDGE LIGHT. TRENCH AND REPLACE PAVEMENT PER SPECIFICATIONS & DETAILS.
- ⑭ 3FT X 4FT CONCRETE PAD WITH L868 15" LIGHTING CAN
- ⑮ FURNISH AND INSTALL L806 FAA SIZE 1 WIND CONE (8' LENGTH 18" OPENING)
- ⑯ REMOVE AND PRESERVE 96 STRAND FIBER OPTIC CABLE FOR RE-INSTALLATION
- ⑰ PULL 96 STRAND FIBER OPTIC CABLE PRESERVED FROM REMOVAL OF EXISTING INFRASTRUCTURE
- ⑱ FURNISH & INSTALL 36" X 24" TYPE 4 ENCLOSURE FOR FIBER OPTIC TERMINATION
- ⑲ TERMINATE 96 STRAND FIBER OPTIC CABLE UTILIZING "CORNING" WALL MOUNTS AND TERMINATION ENCLOSURES. SPECIFICATIONS ON TERMINATION EQUIPMENT PROVIDED BY OWNER.
- ⑳ CONTRACTOR TO PROVIDER LICENSED SURVEYOR WHO WILL SURVEY ALL NEW EQUIPMENT SITES IN ACCORDANCE TO FAA STANDARDS. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL SURVEY ALL NEW SITES AND SHALL PROVIDE THE OWNER WITH THESE LOCATIONS AND SUPPORTING DOCUMENTS VERIFYING THESE AREAS ARE IN ACCORDANCE TO FAA STANDARDS. ONCE THE AIRPORT AUTHORITY APPROVES OF THESE LOCATIONS, CONSTRUCTION CAN BEGIN. SITES TO BE SURVEYED INCLUDE: NEW AWOS; NEW PAPI; NEW WIND CONE; NEW THRESHOLD; NEW THRESHOLD LIGHTS; NEW REIL.
- ㉑ ALL NEW CABLE SHALL BE LABELED WITH BRASS TAGS

CITY OF VICTORVILLE
ENGINEERING DEPARTMENT
14343 Civic Drive, Victorville, Ca. 92392 (760) 955-5158

SOUTHERN CALIFORNIA LOGISTICS AIRPORT
18374 Phantom West, Victorville, Ca. 92394 (760) 243-1900

Southern California
LOGISTICS AIRPORT

811
Call 2 Full Working Days in Advance

NO.	REVISION	BY	DATE

SCLA AWOS RELOCATION

FIELD BOOK NO. (S)	DESIGN BY: D.U./E.R.	SHEET NO.	DRAWING No.
		1 of 1	AP - 0086
BENCH MARK:	DRAWN BY: D.U.		
	CHECKED BY: V.F.		
	DATE: 02/19/2020		
APPROVED BY:	DATE:	R.C.E. 44730	03-06-0359-025-2019
CITY ENGINEER			

NOTE TO CONTRACTOR:
Existing utility locations shown on plan are approximate. Contractor to verify all locations.

ABBREVIATIONS	
AWOS	----- AUTOMATED WEATHER OBSERVATION SYSTEM
CL	----- CENTERLINE
PAPI	----- PRECISION APPROACH PATH INDICATOR
RSA	----- RUNWAY SAFETY AREA
TSA	----- TAXIWAY SAFETY AREA
REIL	----- RUNWAY END IDENTIFIER LIGHTS

- Existing
- Proposed/New 4160V
- Proposed/New Airfield Lighting Cable
- Fiber Optic to be Relocated

ADDENDUM 2

ADDENDUM 2

AWOS Relocation

Scope of Work

Bid Schedule 300

Description:

This portion of the project consists of siting, furnishing and installing a new automated weather observing system (AWOS) III P/T with new Automated Surface Observing System/Automated Terminal Information Service interface units in accordance with FAA Advisory Circular (AC) 150/5220-16E utilizing FAA approved vendors. As part of this installation, contractor will salvage and relocate an existing 4160V transformer. Contractor will be required to lay approximately 600 feet of (4) 4 inch conduit. Contractor will utilize (L824) #8 cable to the new AWOS location, which will include the installation of (2) 36 inch x 24 inch traffic rated electrical vaults at predetermined locations. Contractor will be required to safe end and brass tags all cables to preserve for future use.

Contractor will salvage and relocate approximately 2000 feet of 96 strand fiber optic cable to the new AWOS location. Contractor will intercept fiber optic cable at a predetermined location, add a 36 inch x 24 inch traffic rated electrical vault and lay approximately 500 feet of (2) 2 inch conduits. Contractor will terminate fiber utilizing *CORNING* (or equal) wall mount and cassette enclosures (specifications provided by owner).

Contractor will be required to have a licensed surveyor who shall survey all new equipment sites in accordance to FAA standards. Prior to any construction, the contractor will survey all new sites and provide the owner with these locations and supporting documents verifying these areas are in accordance to FAA standards. Once the owner approves of these locations, construction can begin. Sites to be surveyed include: New AWOS; New PAPIs; New Wind Cone; New Runway Threshold; New Runway Threshold Lights; New REILS.

Contractor shall ensure AWOS is certified per FAA requirements.

Phasing:

The Contractor shall order all necessary equipment upon receiving approval of submittals for the equipment. Construction shall be performed concurrently the Runway 17/35 rehabilitation work for Bid Schedules 200, 300, 1000, and 2000 (if awarded). No additional time will be allowed for this portion of the work

SCLA AWOS SWITCH GEAR IMAGE 1 OF 4

ADDENDUM 2



ADDENDUM 2

**SCLA AWOS SWITCH
GEAR IMAGE 3 OF 4**

H 4160

L 240/120

CUST
NUM

KVA
A 25.0



MFG CP SERS 0405035253

- NON-PCB MINERAL OIL -
WHEN MANUFACTURED CONTAINED
LESS THAN 1PPM PCB

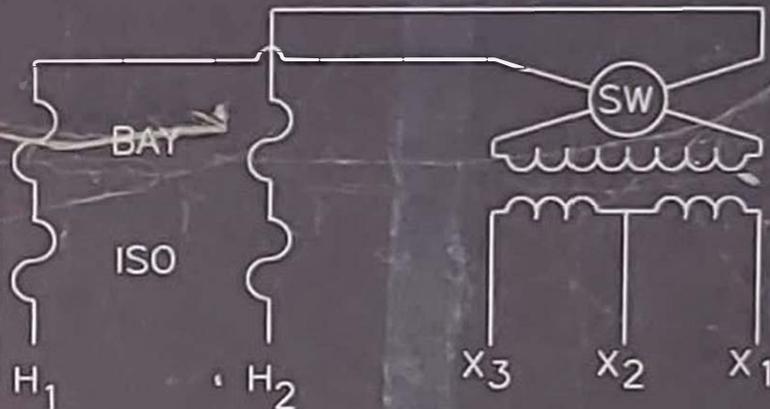
HV AL 60	BIL	TK	1Ø 60 HZ	ADD POL	3.2 %IZ	GAL 43.0	WT 702 LB
LV AL 30	BIL	MS	CLASS ONAN	65° C RISE	85°C	MFG DATE	JUN2004

CAT

ATDN415041Y25G4

NOTES: READ INSTALLATION AND OPERATING INSTRUCTIONS S201-20-1

HV TAP POSITION	
105.0%	1 OR A
102.5%	2 OR B
100.0%	3 OR C
97.5%	4 OR D
95.0%	5 OR E



COOPER

TRANSFORMER PRODUCTS
COOPER POWER SYSTEMS, LUMBERTON, MS. U.S.A.

SCLA AWOS SWITCH
GEAR IMAGE 4 OF 4

ADDENDUM 2



ADDENDUM 2

CCH Pigtailed Splice Cassette 12 F, SC APC duplex, Single-mode (OS2), single-fiber (250 μm)

CORNING

CCH pigtailed splice cassettes enable faster field splicing and easy modular management of connectorization within the housing. The CCH pigtailed splice cassettes are preloaded and pre-routed for quick fusion splicing of either individual or ribbon fiber pigtails, using the same space-saving platform as the standard CCH splice cassette.

The pre-routed pigtailed cassettes reduce field labor by streamlining the features and components of the pigtail cassette to allow for efficiencies in the field. They are prepped with a 2 meter pigtail assembly with all pre-existing CCH panel connector options. The pigtailed cassettes have 900 μm at the connector panel for added durability and colored 250 μm for ease of splicing as well as having strain relief pre-applied to the assemblies from the manufacturing facility.

With the pigtailed cassette, the field will also enjoy the elimination of individual splice trays or separate splice housings, as well as allowing splicing to be done away from the rack housing in a suitable workspace as needed. The modular design makes it easy to access the fiber in an individual cassette without disturbing the other fibers in the housing.

Each cassette is shipped with the pigtailed CCH adapter panel of choice, one rail for use with CCH-01U/2U/3U housings, and two rails used with CCH-04U housings. Grommets and cable ties for additional strain relief and protective braided tubing for incoming cable are also included. Splicing cassettes ship with the appropriate quantity and type of heat-shrink splice protectors.

Many of our products are highly configurable. If you don't see what you are looking for, review the ordering matrix contained in the family spec sheet or Customer Care at 1-800-743-2675.



Features and Benefits

Manage cable slack for a CCH panel in a modular footprint

Fast, easy and reliable initial routing, and quick, simple reaccess for moves, adds and changes (MACs)

Includes everything needed to convert a CCH housing for modular routing and/or splicing

Easy ordering and field installation

Modular splice capability

Manage all splices inside the housing

900 μm jacket at the connector panel

Added fibre protection at the connector

Colored 250 μm at splice point

Easy to identify and prep colored 250 μm for fast and easy splicing

Pre-prepped splice cassette

Saves time in the field with a ready to splice product

Broad operating temperature range (-40°C to +75°C)

Utility and flexibility

ADDENDUM 2

Wall-Mountable Connector Housing (WCH)

Holds 2 CCH connector panels/cassettes

CORNING

Corning wall-mountable connector housing (WCH) product family offers enhanced innovative features that make installation and troubleshooting of fiber optic connectivity faster, easier and more cost-effective. From fiber and cable routing and strain-relief to port labeling and termination, these housings reduce the risk of error that can disrupt networks.

The WCH housing provides interconnect or cross-connect capabilities between the outside plant, riser or distribution cables and the opto-electronics. With the WCH-02P (two panels, cassettes or modules), WCH-04P (four panels, cassettes or modules), and WCH-06P (six panels, cassettes or modules) capacity, the rugged metal housings can be wall mounted in main cross-connects, telecommunication rooms or other areas where space is a premium. Units accept standard closet connector housing (CCH) cassettes, connector panels and modules for a variety of connectivity options.

The WCH product family features a clear, transparent jumper side door for easy visibility during installation and testing, easy-to-use recessed mounting holes with mounting screws, documentation labels, removable strain-relief brackets, routing clips and guides, improved latches, as well as a preinstalled bubble level for simple and accurate installation. All housings also have field-installable lock kits available for both cable entry and jumper side doors.



Part Number: WCH-02P

Features and Benefits

Interconnect and cross-connect capabilities

Ideal for field splicing and connectorization

Accepts CCH cassettes, panels and modules

Variety of preterminated and field-installable capabilities

Lockable, transparent jumper side door

Visibility and ease of access for installation, testing and troubleshooting

Removable strain-relief bracket

Flexibility for installation and moves, adds and changes (MACs)

Segregated cable and fiber slack routing

Fiber protection