

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



**ITEM: 3.9
(ID # 13853)**

MEETING DATE:
Tuesday, December 15, 2020

FROM: FACILITIES MANAGEMENT AND EMERGENCY MANAGEMENT DEPARTMENT:

SUBJECT: FACILITIES MANAGEMENT (FM) AND EMERGENCY MANAGEMENT DEPARTMENT: Riverside County Emergency Operations Center COVID-19 Design-Build Project - Ratify and Approve First Amendment and Approval of Notice of Completion for Hensel Phelps Construction Company, District 1. [\$925,000 - General Fund to be Reimbursed by CARES Act - 100% (Previously approved budget)] (Clerk to Record Notice of Completion)

RECOMMENDED MOTION: That the Board of Supervisors:

1. Ratify and approve the attached First Amendment to the design-build agreement between the County of Riverside (County) and Hensel Phelps Construction Company (Hensel Phelps) of Riverside, California, for the Riverside County Emergency Operations Center COVID-19 Design-Build (EOC COVID-19 Design-Build) Project and authorize the Chairman of the Board (Chairman) to execute the amendment on behalf of the County;
2. Authorize the Director of Facilities Management to administer the amendment with Hensel Phelps in accordance with applicable Board policies;

Continued on Page 2

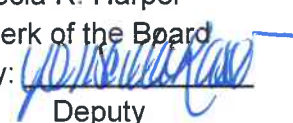
ACTION: Policy, CIP


Rose Salgado, Director of Facilities Management 12/4/2020 
Bruce Barton, EMD Director 12/4/2020

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Spiegel, seconded by Supervisor Washington and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt
Nays: None
Absent: None
Date: December 15, 2020
xc: FM, EMD, Record

Kecia R. Harper
Clerk of the Board
By: 
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

RECOMMENDED MOTION: That the Board of Supervisors:

3. Accept the EOC COVID-19 Design-Build Project constructed by Hensel Phelps as complete, and authorize the Chairman to execute the Notice of Completion;
4. Direct the Clerk of the Board to record the attached Notice of Completion; and
5. Authorize the release of the undisputed retained funds in the amount of \$925,000 to Hensel Phelps in accordance with the contract terms and applicable law, per the General Conditions of the contract.

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 925,000	\$ 0	\$ 925,000	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: General Fund to be Reimbursed by CARES Act – 100% (Previously approved budget)			Budget Adjustment: No	
			For Fiscal Year: 2020/21	

C.E.O. RECOMMENDATION: Approve.

BACKGROUND:

Summary

On August 4, 2020, Item 3.72, the Board of Supervisors (Board) approved the EOC COVID-19 Design-Build Project with Hensel Phelps authorizing the project, CEQA, and advanced \$1,000,000 to launch the design-build efforts. On August 25, 2020, Item 3.75, the Board approved the total project budget of \$20,000,000, qualified the Project as a COVID-19 Emergency Project with CARES Act funding reimbursement and executed the Design-Build Agreement with Hensel Phelps for \$18,500,000. The remaining project balance was allocated to RCIT, Special Inspectors and Management, and the Fire Department. The First Amendment to the design-build agreement with Hensel Phelps further refined the terms, conditions, scope of the project, and is a zero-cost increase.

The Project was tasked with designing and renovating a mid-1980's office building consisting of 23,500 square feet in approximately 133 calendar days, or by December 15, 2020. The building was reimagined to serve as a new Emergency Operations Center and required seismic enhancements, complete gutting of the building, new wall layouts, ceilings, restrooms, generator, Heating, Ventilation, and Air Conditioning (HVAC), electrical switchgear and transformer upgrades, new fire sprinkler system and alarm, furniture, site improvements, information technology, audio-visual technology, and PSEC radio and antenna communications. The Project was successful in meeting the constricted timeframe, constrained budget, and maintaining the EMD specific scope. The project stakeholders included Hensel Phelps and Ruhnau Clarke Architects, Facilities Management, RCIT, PSEC, County Fire as well as our partners at the City of Riverside, Western Municipal Water District and the Riverside Public Utilities.

(Continued)

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

BACKGROUND:

Summary (Continued)

Hensel Phelps has completed the work satisfactorily, and the Project has been inspected and found to comply with the contract and safety requirements. This Board action will release the undisputed contract retention funds in the amount of \$925,000 to Hensel Phelps, after the Notice of Completion has been recorded and the 35-day lien period has expired per contract terms and applicable law.

Impact on Residents and Businesses

The Project will provide a centralized location within the western region of Riverside County and increase the ability to coordinate and distribute information and services during an emergency, specifically COVID-19.

Additional Fiscal Information

All costs associated with this Board action were previously approved on August 25, 2020 (Item 3.75) in the amount of \$20,000,000 and are 100% funded through the General Fund to be reimbursed by CARES Act. Monies will be expended in FY 2020/21.

Attachments:

- Notice of Completion for Hensel Phelps Construction Company
- First Amendment to Design-Build Agreement for Hensel Phelps Construction Company

RS:VC:SP:RM:ES:to-mg-tv

FM08200010822

MT# 13853

G:\Project Management Office\FORM 11'S\Form 11's_In Process\13853_D3 - 10822 - EOC COVID-19 Design-Build_First Amend & NOC for Hensel Phelps_121520.doc


Steven Atkeson 12/9/2020


Gregory V. Priamos, Director County Counsel 12/9/2020

PLEASE COMPLETE THIS INFORMATION
RECORDING REQUESTED BY:

KECIA R. HARPER, CLERK OF THE BOARD
4080 LEMON STREET, 1ST FLOOR CAC
P O BOX 1147 – RIVERSIDE, CA 92502

MAIL STOP # 1010

AND WHEN RECORDED MAIL TO:

RETURN TO: STOP #1010
RIVERSIDE COUNTY CLERK OF THE BOARD
P. O. BOX 1147 – RIVERSIDE, CA 92502

2020-0651358

12/22/2020 11:12 AM Fee: \$ 0.00

Page 1 of 1

Recorded in Official Records
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder



6080

THIS SPACE FOR RECORDERS USE ONLY

NOTICE OF COMPLETION

(California Civil Code §§ 8100-8118, 9200-9208)

To be recorded with County Recorder within 15 days after completion.

Notice is hereby given by the undersigned owner, a public entity of the State of California, that a public work of improvement has been completed, as follows:

Project title or description of work: Riverside County Emergency Operations Center COVID-19 Design-Build Project. (FM08200010822)

Date of Completion: Date Hereof **DEC 15 2020**

Nature of owner: Public Entity

Interest or estate of owner: In Fee

Address of owner: Clerk of the Board of Supervisors, County Administrative Center,
4080 Lemon St., Riverside, CA 92501

Name/address of direct contractor: Hensel Phelps Construction Company, 18850 Von Karman, Suite 100,
Irvine, CA 92612

Street or legal description of site: 450 E. Alessandro Boulevard, Riverside, CA 92508

Dated: **DEC 15 2020**

Owner: County of Riverside
(Name of Public Entity)

By: V. M. Perez
V. Manuel Perez, Chairman, Board of Supervisors

STATE OF CALIFORNIA)

ss

COUNTY OF RIVERSIDE)

I am the Chairman of the governing board of the County of Riverside, the public entity which executed the foregoing notice and on whose behalf I make this verification; I have read this notice, know its contents, and the same is true. I certify under penalty of perjury that the foregoing is true and correct.

ATTEST: Kecia R. Harper, Clerk

Executed at Riverside, California on **DEC 15 2020**

By: Kristine Bell-Valdez
Deputy
FORM APPROVED COUNTY COUNSEL
BY KRISTINE BELL-VALDEZ DATE 12/31/2020

V. M. Perez
V. Manuel Perez, Chairman, Board of Supervisors

DEC 15 2020 3.9

1 **FIRST AMENDMENT TO DESIGN-BUILD AGREEMENT**
2 **BY AND BETWEEN THE COUNTY OF RIVERSIDE AND**
3 **HENSEL PHELPS CONSTRUCTION CO. FOR**
4 **THE WEST COUNTY OF RIVERSIDE EMERGENCY OPERATIONS CENTER PROJECT**

5 **THIS FIRST AMENDMENT** is entered into by and between the COUNTY OF RIVERSIDE,
6 ("COUNTY"), and HENSEL PHELPS CONSTRUCTION CO. (herein referred to as "Design-Builder"),
7 regarding the Design-Build Agreement first entered into on August 25, 2020.

8 **NOW, THEREFORE**, in consideration of the mutual covenants contained herein and providing
9 that all other sections not amended remain in full force and effect, the parties hereto agree to amend the
10 Agreement as follows:

- 11 A. paragraph 4.1.1, is hereby amended to delete the following sentence, "This Contract Sum is a target
12 value and the placeholder that will be validated and revised by the parties in Amendment 1 on or
13 around August 31, 2020."
14 B. Paragraph 3.1 CONTRACT TIME, is hereby amendment to add the following sentence to the end
15 of the paragraph, "The Beneficial Occupancy milestone is December 15, 2020."

16 The following is herein amended to be included within Exhibit I:

- 17 C. The following Assumptions and Clarifications are provided to convey the scope of the contract and
18 the general approach taken by the Design-Builder. Items noted as not required or not applicable
19 are not included in this contract.
20 D. All materials are assumed to be openly specified to allow competitive subcontractor and supplier
21 bidding. Sole-source specified items or products are not included.
22 E. The warranty period is one year plus extensions for materials expressly noted below.
23 F. The Building Construction Guidelines Manual from the County of Riverside has been reviewed. It
24 is recognized that the Emergency Operations Center is a fast-paced project. In the interest of meeting
25 the schedule demands of the project, there will be mutually acceptable deviations to the complete
26 adherence of our scope and design to some of the specific County requirements. Specific

1 clarifications to the various sections of the Building Construction Guidelines are identified in the
2 applicable scope section below.

3 G. The following design documents represent the basis of scope for this contract.

4 1. Ruhnau Clarke Architects construction documents and specifications
5 approved by County of Riverside Facilities Management and Riverside
6 County Fire Department on 9/30/2020.

7 b. Owner Furnished/Owner Installed Log dated 9/14/2020

8 c. Hazardous Materials Report dated 8/07/2020

9 H. Attached to this Amendment 1 is the Schedule of Values to be used for billing purposes.

10 B20 Exterior Closure

11 1. The following systems are not in compliance with the County Standards:

12 a. Section 10440 Signage – Use of these manufacturers - intouch - Exterior - SignEtch
13 *Deviation* - County Standards shows APCO, AASI, Daktronics, FFI Group. The
14 manufacturer may further be changed based on the award of the best value subcontractor.

15 B30 - Roofing

16 1. Roofing material warranty will be 20 years as required by the standard specification.

18 C10 - Interior Construction

19 1. Existing concrete flooring shall include floor prep and moisture sealer as required to meet
20 flooring manufacturer requirements.

21 2. The existing interior door and frame to the Electrical Room will remain with new hardware as
22 required.

23 3. Existing wall framing will remain around the Electrical and IT rooms.

24 4. The signage manufacturer will be our signage subcontractor in lieu of one of the specified
25 manufacturers.

26 C20 - Stairs

1. Existing stairs and railings will be replaced as needed by the authority having jurisdiction.

C30 - Interior Finishes

1. The following systems are not in compliance with the County Standards:

- a. Section 10800 Toilet Bath & Laundry Accessories -Partition systems international *Deviation* -County Stds shows plastic Laminate Partitions. Phenolic Restroom Partitions will be provided.

D20 - Plumbing

- 1. The existing roof drains and overflow drains will be replaced as needed to ensure a functional system.
- 2. The roof drain covers will be removed to integrate roof replacement and provide new strainers.
- 3. The automatic flow and flush fixtures are battery powered and not wired.
- 4. Existing waste, vent, drain, and water lines to be reused to the greatest extent possible.

D30 – HVAC

- 1. Conditioned air on the 2nd level is not included. Still, the newly provided air handling unit will have sufficient capacity to serve this area in the future with additional zones. The establishment of these future zones is not included.
- 2. The existing process piping pumps will be reused in place.
- 3. The existing heating hot water pumps and boiler flue will be reused in place.
- 4. The existing air handler relief fan shall be reused in place.
- 5. The existing hot water piping distribution shall be reused in place except where new control valves and hot water coil connections are performed. New piping shall be screwed, soldered, or press fit.
- 6. Any existing mechanical equipment and piping appurtenances not in working order shall be replaced or repaired.
- 7. The existing mezzanine level supply and return ductwork shall be reused in place. New ductwork will be provided as required at new air handler connections and the new VAV box

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installation locations to connect to the existing ductwork.

- 8. Fire dampers from mezzanine level to level 1 shall remain in place.
- 9. Reused ductwork shall be cleaned.
- 10. The selected DDC system shall be Distech Bacnet DDC controls. This is a non-proprietary system with features, points, and sequences that shall be identified in project specification 23 09 00. BMS System shall provide adequate monitoring of system via temperature, flow, and status of devices in lieu of field devices.

11. As we are working within an existing space, and in an accelerated fashion, there are some limitations exceptions to the County Standards listed below:

a. Section 15002 – GENERAL DESIGN GOALS AND BASIC MECHANICAL REQUIREMENTS

- i. The project is not designed to LEED or 20% above Title-24. The design incorporates minimum Title-24 prescriptive compliance.
- ii. No new hose bibs are not included in the existing mechanical room, and
- iii. No new outlets are included to accommodate mechanical equipment.
- iv. New lighting for mechanical systems is not included.
- v. Temperature control and ventilation of the mechanical room is not included.
- vi. Painting of piping and hardware is not included.

b. Section 15135 – METERS AND GAGES

- i. Solar powered/UV shielded digital thermometers are not included for reheat coils or the boiler replacement.
- ii. No thermometers are included for the reheat coils,
- iii. Analog thermometers are included for the boiler replacement.
- iv. Visible thermometers are not included at the air handler or RTU in our proposal.
- v. DP Gages shall only be added at the boiler.

- 1 vi. Existing pump accessories are being reused.
- 2 vii. Magnahelic gauge is not included in our proposal for the air handling systems.
- 3 viii. Pressure and Temperature gauges are not included in our proposal for addition to
- 4 the existing piping mains.
- 5 ix. Temperature and pressure gauges not included at reheat coils.

6 c. Section 15720 – INDOOR CENTRAL-STATION AIR-HANDLING UNITS & Section
7 15731 – SELF-CONTAINED AIR-CONDITIONERS 3 TO 10 TONS

- 8 i. General - We have not included any specific factory testing beyond the standard
- 9 testing the manufacturer performs prior to shipment of their units.
- 10 ii. A factory damper leak test is not included in our proposal.
- 11 iii. The AMCA leakage ratings of dampers are included in the submittal.
- 12 iv. Air handler unit warranty included is 3 years for the air handler, but extra
- 13 materials and maintenance services are not included.
- 14 v. The IT room unit has a one year warranty.
- 15 vi. We expect training will only require a single session for one air handler.
- 16 vii. DDC controls training will be separate from air handler training
- 17 viii. AHU/AC unit Construction - Flexible connectors are not required at AHU duct
- 18 connections as units are internally isolated. Isolation and snubbers as identified
- 19 in the specifications. These are necessary as submitted due to OSP certification.
- 20 Fixed sheave does not apply as we are utilizing direct drive fans. Note that
- 21 MERV 13 filters are only provided with the air handling unit will not be provided
- 22 for the IT room unit.

23 d. Section 15940 – SEQUENCE OF OPERATIONS AND POINTS LIST FOR BMS
24 CONTROLS & Section 15950 – BUILDING AUTOMATION SYSTEM.

- 25 i. Specifications for the building automation system included with our proposal are
- 26 provided in section 23 09 00. We have included a Bacnet system. The products,

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material, and execution identified in section 23 09 00 are the basis of our proposal.

e. Section 16742 – 2.7 TELECOMMUNICATIONS INFRASTRUCTURE AIR CONDITIONING

i. We are providing one 7.5 ton dedicated rooftop air conditioning unit with DDC controls. There will not be redundancy or a VAV in the space.

D40 - Fire Protection

- 1. Pre-action systems or other special fire systems are not included.
- 2. Technology/IT room will include a wet system with sprinkler heads coordinated away from equipment racks.

D50 - Electrical

- 1. It has come to our attention that in order to provide the complete function of the intended building program, a power service upgrade by the Riverside Public Utility (RPU) will be required. Based on our current understanding of the timing of a design and direction from RPU, this power service upgrade shall be completed after the project completion date of 12/15/20. We will proceed to plan for beneficial occupancy utilizing the existing 800A gear, RPU transformer and service in place with a plan for a future cutover and power upgrade as allowed by RPU. During this time prior to the power upgrade the building may be functional but with some limitations likely with peak load HVAC requirements that would be required during typical summer months.
- 2. New power service scope includes partial rough-in for future service upgrade (per RPU requirements) (4) 5” secondary conduits and a slab box pending final utility design for an 1000A service. No primary conduits or pathways are included, and the utility provides all feeders and transformers outside of this contract. The County may elect to fund the service upgrade with their share of the contingency.

- 1 3. Manual double throw outdoor rated disconnect and connection point for portable generator
2 connection included
- 3 4. 300kw emergency generator with 72 hour belly tank and load bank is included. Particulate filter
4 is not required. Complete underground duct bank, i.e. trench, conduit and backfill as required
5 for new generator/ATs is included.
- 6 5. Emergency Generator is furnished with a 5 year parts warranty.
- 7 6. New switchgear is included as the existing has exceeded its natural life expectation
- 8 7. Connected to RACEES trailer by other includes Data cabling (10 outdoor rated CAT-6 cables
9 are included and 50a 'shore power' connection
- 10 8. Existing walker duct system will be reused. No new in-floor duct included.
- 11 9. Owner network asset configuration is assumed to be provided by the County.
- 12 10. PSEC equipment and antennas will be supplied by the Owner.
- 13 11. Telecommunication Systems & Cable management (j-Hooks throughout. Cable tray within IT
14 closets and MPOE
- 15 12. Standard 15a and 20a non-decora devices throughout
- 16 13. Wattstopper local motion sensors for code minimum lighting control.
- 17 14. All breakers are with electronic trip
- 18 15. As we are working within an existing space, and in an accelerated fashion, there are some
19 limitations exceptions to the County Standards listed below:
 - 20 a. Sections 16110-3.17, 16120-1.2.2.6 – Raceway and Boxes for Electrical Systems - MC
21 Cable will be utilized for all branch circuits within interior drywall partitions and above
22 ceilings. Conduit will be utilized for all pathways within electrical rooms.
 - 23 b. Section 16110-Supporting Devices - For upper attachments, trapeze racks with hammer
24 on beam clamps will be utilized
 - 25 c. Section 16120 –1.2.1 Wires and Cables - Aluminum conductors #1 and larger will be
26 used if availability requires in order to support project schedule.

- 1 d. Section 16190-3.18 Raceways - Compression fitting for all indoor conduits are excluded
2 - set screw fittings will be utilized
- 3 e. Section 16425- Switchboards – We are providing aluminum busses for the distribution
4 boards if availability requires in order to support project schedule.
- 5 f. Section 16743 – Telecommunications Infrastructure & 16111 Cable Tray - J-Hooks
6 throughout will be used throughout building for distribution with the use of cable tray
7 within IT closets and MPOE

8 E10 - Equipment

- 9 1. Existing equipment relocated to this building is assumed to be in working order and appropriate
10 for the desired purpose. Please refer to scope divisions above for referenced equipment.
11 Existing equipment will be in good working order, or repaired / replaced when necessary
12 excluding copiers, printers and refrigerators.
- 13 2. E10 Network equipment will be patched by Contractor based on port mapping supplied by
14 Owner.

15 E20 - Furnishings

- 16 1. Existing furnishings relocated to this building are assumed to be in working order and
17 appropriate for the desired purpose.

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19 F20 - Selective Building Demolition

- 20 1. Asbestos, lead, or other identified hazardous materials will be removed as required by local
21 authorities in the quantities stated in the hazardous materials report. Removal of additional
22 hazardous materials found beyond what is defined in the report is not included.

23 G20 - Site Improvements

- 24 1. Existing irrigation will be incorporated into the new design with irrigation repairs as needed.
- 25 2. New landscaping design will be limited to the areas against the building and between the
26 walkways on the North, West, and South Sides.

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- 3. Demonstration Garden is left as existing and not part of this project.
- 4. Parking lot design will remain as existing and be repaired as needed as indicated in Increment 3.
- 5. Existing curbs and driveway entrances will remain as existing and be repaired as needed.
- 6. Existing paving will remain and be repaired as needed.

G30 - Site Civil / Mechanical Utilities

- 1. Existing water, storm, sewer, and gas services are adequate.
- 2. New Fire hydrants, PIV, and FDC are not required, unless otherwise required by CalFire.
- 3. No off-site utility work is required except a new fire water service is included or as noted on drawings.
- 4. Existing water line adequacy and condition for fire line hot tap is assumed. Repair, replacement, or other means for connecting to the existing line, is not included.

G40 - Site Electrical Utilities

- 1. EV charging stations are not required. Space will be created for the addition of future circuits.

[REMAINDER OF PAGE LEFT BLANK]

1 IN WITNESS HEREOF, the parties hereto have caused their duly authorized representatives to execute
2 this First Amendment.

3
4 "COUNTY"

5 COUNTY OF RIVERSIDE

6
7 By: 

8 Chairman
9 Board of Supervisors

CONSULTANT:

Hensel Phelps Construction Co.

By: 

Damian Buessing, Vice President

Address: 18850 Von Karman, Suite 100

Irvine, CA 92612

10
11 ATTEST:

12 KECIA R. HARPER

13 Clerk of the Board

14 By: 

15 Deputy

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17 (SEAL)

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21 APPROVED AS TO FORM:

22 GREGORY P. PRIAMOS

23 County Counsel

24 By: 

25 K. Bell Valdez

26 Deputy County Counsel

Western County of Riverside
Emergency Operations Center
OFOI / OFCI Tracking Log

OFOI/OFCL Tracking Log r1 9.14.20										
ITEM	DESCRIPTION	OFOI	OFCL	CFCL	CFOL	Unknown	notes	Inventory	Needed Per Drawings	
Building HVAC (MPOE and IT Room included in Design)				X			Need to confirm with ACCO MR - There are no immediate requirements to air condition the MPOE in support of network equipment. However, this will change if we are forced to move equipment into the MPOE due to lack of space the TR.			
Buiding Cable Tray and Wire Management(Jhooks)				X						
Horizontal Cabling				X						
Fiber Inside Building				X			MR - the only fiber requirement at this time is for Crown Castle to extend their existing fiber from the MPOE to the TR			
Generator				X						
Fire Sprinklers (MPOE and IT Room included in design)				X						
MPOE Buildout				X			See IT Room Build out			
MPOE UPS Rack						X	MR - There are no immediate requirements for a UPS in the MPOE in support of network equipment. However, this will change if we are forced to move equipment into the MPOE due to lack of space the TR.			
MPOE Grounding Bus Bar				X			Ground required to be added			
MPOE Other Wall Equipment				X			Existing 100 pair copper entrance cable that will remain and additional 100 pair backbone - 12 cat 6 cable			
MPOE Conduit (Cabling Management)				X			MR - As mentioned in other meetings, we are looking for two 4" conduits between the MPOE and TR			
MPOE Network Equipment (Switches/Routers)						X	There are no plans to install network equipment in the MPOE			
MPOE Network Equipment (Procurement)						X	There are no plans to install network equipment in the MPOE			
MPOE Third Party Carrier						X	MR - RCIT will order County's data circuit and phone service. The project team will need to coordinate any CATV / satellite services needed for AV. AT&T (service provider scope of work) Contractor to provide ground bus bar			
MPOE Third Party Carrier Build Out						X	Demarc Fiber Circuit (will need conduit for Data and Power from MPOE to IT Room) Crown castle to pull fiber from MPOE to New IT room			
IT Room Buildout				X			<p>Copper backbone</p> <ul style="list-style-type: none"> oProvide and install 1 Essex 100 pair riser rated cable from the MPOE to TR1A. oTerminate in the MPOE on 66 blocks and 110 frames in TR1A <p>Special Services</p> <ul style="list-style-type: none"> oProvide and install a total of 12 white Berk-Tek LANmark 1000 category 6 cables from the MPOE to TR-1A -Terminate both ends of the cables connecting from / to the MPOE using Leviton eXtreme category 6 jacks housed in QuickPort patch panels. oProvide and install a total of 4 white Berk-Tek LANmark 1000 category 6 cables from the from the 110 blocks in TR-1A to the special services panel in equipment racks -Terminate the cables in the rack using Leviton eXtreme category 6 jacks and using C4 clips on the 110 blocks. oProvide and install 1 Leviton 12 port QuickPort mini patch panel kit in the MPOE. oProvide and install 2 Leviton 24 port QuickPort patch panel kits in TR1A, one each in row A and row B. <p>Analog patch panels</p> <ul style="list-style-type: none"> oProvide and install 6 Cable Exchange 25-pair riser cables from the voice equipment rack to the voice frame. 4 of the cables will be terminated onto analog patch panels using the Amphenol connectors, the remaining cables are reserved for the RCIT provided voice gateway. oProvide and install 4 Leviton 48 port Amphenol 2 wire patch panel. <p>Telecom Room Equipment Racks</p> <ul style="list-style-type: none"> oAll TR1A equipment racks will be Adjustable 4 Post Server Rack 36.42" To 42.32", P/N 15214-703 oNote that PSEC's R56 standard may require special pads under the racks or other grounding requirements 			
IT Room UPS (Room)				X						
IT Room UPS (Rack)				X			If RCIT has Rack UPS, Contractor will Rack			
IT Room Bus Bar				X			See R56 IT Room Grounding			
IT Room outlets(power)				X						
IT Room Fire Rated Wood				X						
IT Room Cable Tray, Conduit, Jhooks				X						

Western County of Riverside
Emergency Operations Center
OFOI / OFOI Tracking Log

IT Room Racks				X		Rack elevation for IT Room need to created (Network Routers, Switches, Paging, CCTV, AV, PSEC, Servers) Need Rack info from Syska and RCIT		
IT Room Network Equipment (Switches / Routers)				X		MR - RCIT will purchase and install all LAN / WAN network equipment for the County's Network. We need to know right away if any non-county organizations need network connectivity and what for. For example, for managing HVAC or electrical systems.		
IT Room Network Equipment (Procurement)		Updated 9-14-20, Based on meeting with Moe Raissdana		X		MR - RCIT will purchase and install all LAN / WAN network equipment for the County's Network. We need to know right away if any non-county organizations need network connectivity and what for. For example, for managing HVAC or electrical systems.		
Radio Systems Antennae	Antennae is OF, need to clarify. who installs antennae HP to provide structural support			X		1. The permanent radio communication system includes radio equipment within the shelter and antenna equipment on the roof as well as the connecting transmission lines (between antennas and equip room). Also included are the connections between the equipment room and the dispatch control units at each desk. PSEC (County) will provide the radio equipment and the antennas for the permanent system. 2. RACEES Antenna System - The RACEES system is similar with a big exception, the radio equipment is not located in the equipment room, rather the equipment is located in a trailer that will be brought to the site as needed. Once the trailer is onsite it will connect to the roof top antenna system via the - transmission lines. The radios in the trailer will also connect to the desktop control units at desks within the facility. These connections will also be pre installed.		
Radio Equipment in IT room		X						
Radio Console in Comm Room		X						
Radio Equipment and Antennae (Procurement)		X				PSEC (County) will provide the antennas and transmission lines for the permanent system.		
RACEES Trailer pathway				X				
SERS & COERS plus Consolettes		X						
Radio Systems Coaxial Cable				X		(Total of QTY 12 x 1/2" Coax (9 coax runs from roof to east side of building to trailer + 3 coax runs from roof to IT room) plus qty 6 CAT6 double shield OSP to trailer from rooftop antennae) RCIT utilizes Motorola		
Radio Systems Other Cable				X		Any additional Cabling required will be identified and specification provided by RCIT to Contractor according to Construction Schedule		
Roof mount antenna structure				X		RACEES and permanent Construction vendor to provide all related equipment and installation services. Antennas will be mounted to this structure on the roof. Roof must be structurally able to support mounts, antennas and any weights applied to the mounts. Additional building structural reinforcement may be required. Support all antenna installations		
Roof top cable bridge				X		RACEES and permanent Construction vendor to provide all related equipment and installation services. Enclosed metal Cable trays installed on weighted rubber footings. Cable trays will support all transmission lines.		
Roof top cable entry (Hood)				X		RACEES and permanent Construction vendor to provide all related equipment and installation services. Entry ports for transmission lines into the building. The entry ports (Doghouses) will shielded from weather and provide adequate cable bending radius. Hood entry will support all transmission lines.		
Lightning protection for roof top antennae				X		RACEES and permanent. Construction vendor to provide all related equipment and installation services. Lightning protection devices/grounding to ensure energy is not coupled into the building. Gnding to building steel. Support all transmission lines.		
R56 grounding in rooftop				X		RACEES and permanent. Construction vendor to provide all related equipment and installation services. The R56 document provides specifics as to proper grounding of equipment, cable trays and racks within an shelter/equipment room that will house radio communication equipment. Cable trays, racks and equipment will be connected to a Halo grounding system within the equipment room. The master ground bus bar will terminate the rooms grounding runs. The bus bar itself will be either attached to building steel or a separate grounding rod external to the building.		
R56 grounding in IT room				X		Same as above		
R56 grounding in comm room				X		Same as above		
Access Control				X				
Access Control (Procurement)				X				
Security Intercoms				X				
Security Intercoms (Procurement)				X				
VSS\CCTV Camera's				X				
VSS\CCTV Camera's (Procurement)				X		MR - County will provide all the server and storage needed for the Milestone VMS system		
Audio Visual Conference Room System				X				
Audio Visual Mounting Brackets				X				
Audio Visual Backing				X				
Audio Visual Conference Room System (Procurement)				X				
Visual Displays\Monitors (Non -Conference Room)				X				
Visual Displays\Monitors (Non-Conference Room) (Procurement)				X				
AV Cabling (Speaker and Control Cabling)				X				
Wifi\Access Points			X					
Wifi\Access Points Equipment(Procurement)			X			MR - County will procure and configure wireless access points, Helix - sub will need to mount to the ceiling and plug into horizontal cable back to TR		

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VOIP Phones		X				MR - EMD is moving their existing VOIP phones. Unsure if Owner or Contractor will install Helix will label all wall jacks per Riverside standards.		
VOIP Phones(Procurement)		X				MR - We are not planning on procuring any new phones at this time		
Milestone VMS Server and Storage		X				Per Moe on email on 08-27		
Paging(Procurement)				X		•Bogen 70V Paging oThere are two zones referenced on the drawing, zone 1 one and 3. Zone two is not used at this time. oSet all taps to .5 watt and volume adjustment knobs to half (5 of 10). oUse Allen Bradley mini terminal blocks, din rail and side jumper for termination and connecting of speaker cables in the telecom room.		
Ice Machine (1)	Confirm CoR will purchase and install. Need unit specs for roughin.		X				1	1
Vending Machines (2)	Need specs for	X					0	2
Visual Displays\Monitors								
RC-A1	75"		X			Re-locate existing 75" for lunch, possible conference rooms	4	1
RC-A2	55"		X			relocate existing 55" monitors	22	22
RC-A3	55" On roller		X			relocate existing 55" monitors	21	21
RC-A4	43"		X			relocate existing for 2 in security room	20	2
RW-A1	75"				X	n/a	0	0
RW-A2	55"		X			Relocate existing 55" monitors and Contractor to purchase additional consumer monitors	7	38
RW-A3	55" On roller				X	n/a	0	0
RW-A4	43"				X	to remain in exiting	2	0
RW-B1	55" Touch screen monitor				X	no use, older technology and do not move	1	0
RW-D1	PANASONIC PT-EW550 PROJECTOR (CEILING MOUNT)				X	Will not be used at CoR EOC	1	0
move existing monitors			X			HP will move the monitors and configure with AV system - everything to the encoder out to the display		
	Projector Screens				X	Will not be used at CoR EOC		
98" WALL MOUNTED TV MONITOR				X			0	3
Wall mounts for visual displays/monitors	Who is providing the wall mounts? HP to install?			X		USE NEW WALL MOUNTS	0	87
TOTAL							78	84
COPIERS/PRINTERS/PLOTTERS								
RC-B1	SHARP MX-3050V (COPIER)		X			coordinate data/power	1	0
RC-B2	SHARP MX-3051 (COPIER)		X			coordinate data/power	1	1
RC-B3	SHARP AR-M277 (COPIER)				X	Will not be used at CoR EOC	1	1
RC-C1	HP COLOR LASERJET CP4025 (PRINTER)				X	Will not be used at CoR EOC	3	0
RC-C2	HP COLOR LASERJET CP4525N (PRINTER)				X	Will not be used at CoR EOC	1	0
RC-C3	HP COLOR LASERJET M653 (PRINTER)				X	Will not be used at CoR EOC	2	0
RC-C4	HP COLOR LASERJET 4700N (PRINTER)				X	Will not be used at CoR EOC	1	0
RC-D1	HP DESIGNJET T730 (PLOTTER)		X			coordinate data/power	1	1
RC-D2	HP DESIGNJET T1120PS (PLOTTER)				X	Will not be used at CoR EOC	1	0
RW-C1	SHARP MX-2615 (COPIER)		X			coordinate data/power	1	1
RW-C2	SHARP MX-3116 (COPIER)		X			coordinate data/power	2	2
RW-C3	SHARP MX-3050V (COPIER)		X			coordinate data/power	1	0
RW-C4	KONICA MINOLTA BIZHUB 654E (COPIER)				X	Will not be used at CoR EOC	1	0
RW-E1	HP DESIGNJET T1200 POSTSCRIPT (PLOTTER)		X			coordinate data/power	2	1
moving boxes and labels to move personal item				X		HP to provide boxes and move the boxes to the new area		
TOTAL							19	7
KITCHEN EQUIPMENT								
RC-E1	FRIGIDAIRE - TOP FREEZER REFRIGERATOR (WHITE)				X	Will not be used at CoR EOC	1	0
RC-G1	OSTER (MICROWAVE) [QTY (2) PER 10/A-7.3]		X			HP to move existing and purchase one microwave	1	2
RW-F1	LG - SIDE BY SIDE REFRIGERATOR (STAINLESS)		X			Contractor to move existing refrigerator	1	1

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RW-F2	WHIRLPOOL - SIDE BY SIDE REFRIGERATOR (WHITE)		X			Contractor to move existing refrigerator	1	1
MISC. EQUIPMENT								
RC-F1	LAPTOP CHARGING CART (SPECTRUM)				X	Will not be used at CoR EOC	1	0
RC-K1	WHITE MARKERBOARD (ON ROLLER)		X			HP to move white markerboard	2	0
RC-K2	WHITE MARKERBOARD (WALL MOUNTED)				X	Will not be used at CoR EOC	2	0
RW-G1	PAPER SHREDDER (SHRED-IT)				X	Vendor to move	2	0
	Time clocks?		X			To move with boxes. Portable		
Furniture								
RC-H1	TABLE ON CASTERS W/ WOOD FINISH TOP		X				41	42
RC-H2	FOLDING TABLE W/ DARK BROWN TOP				X	Will not be used at CoR EOC	26	0
RC-H3	HEIGHT ADJUSTABLE TABLE / BLACK TOP				X	Will not be used at CoR EOC	7	0
RC-H4	FOLDING TABLE W/ BLACK TOP				X	Will not be used at CoR EOC	40	0
RC-H5	FOLDING TABLE W/ WHITE TOP				X	Will not be used at CoR EOC	17	0
RC-J1	METAL STORAGE CABINETS BLACK-1				X	Will not be used at CoR EOC	4	0
RC-J2	METAL STORAGE CABINETS BLACK-2				X	Will not be used at CoR EOC	1	0
RC-J3	METAL STORAGE CABINETS WHITE-1				X	Will not be used at CoR EOC	1	0
RC-J4	METAL STORAGE CABINETS GREY-1				X	Will not be used at CoR EOC	1	0
RW-H1	CONFERENCE TABLE		X				1	1
RW-H2	TABLE ON CASTORS-1		X				7	7
RW-H3	TABLE ON CASTORS-2		X				7	7
RW-H4	BREAKROOM TABLE		X				4	4
RW-I1	WORKSTATION @ COMMUNICATIONS		X				7	3
RW-K1	WORKSTATION @ CUBICLE-1		X				20	20
RW-K2	WORKSTATION @ CUBICLE-2				X	Will not be used at CoR EOC	3	0
RW-L1	WORKSTATION @ OFFICE		X				17	8
RW-M1	CHAIR AT OFFICE		X				17	8
RW-M2	CHAIR AT CUBICLE		X				23	28
RW-M3	CHAIR AT CONFERENCE ROOM-1		X				9	9
RW-M4	CHAIR AT CONFERENCE ROOM-2		X				20	24
RW-M5	CHAIR AT RECEPTION		X				1	1
RW-M6	CHAIR AT BREAKROOM		X				16	24
CHAIR	CHAIR - ASSORTED		X				55	57
Workstations (Comm room)		X				Comm room to be purchased by county with a grant (verify with Ramon)	0	21
Workstations (planning room)				X		EMS Planning FF&E to be provided by HP		
Screening Vestibule Table (NEW)				X			0	1
Trailer hookup	Discuss needs			X		50amp hookup with connection to Antennas		
AED								
Computers and Monitors		X				RCIT will move all personal IT items, HP to relocate hardware FFE (monitor arm, keyboard tray, etc)	?	
Trash cans			X			HP to move with existing items,	?	