



AGENDA

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

BOARD OF DIRECTORS MEETING

Thursday, January 7, 2021 • 9:00 a.m.

Microsoft Teams Meeting*

Link: [Click here to join the meeting](#)

Call-in Number for Board Members and Public:

Telephone Number: (323) 886-6924

Conference ID: 584 566 091#

Video Conferencing Device:

493366865@t.plcm.vc

VTC Conference ID: 117 776 898 7

Los Angeles Regional Interoperable Communications System Authority (the "Authority")

AGENDA POSTED: December 30, 2020

Complete agendas are available on the Authority's website at <http://www.la-rics.org>.

***The procedures used for this Teleconference Meeting are permitted pursuant to Executive Order N-29-20 issued on March 17, 2020, by the Governor of the State of California.**

Members:

1. **Fesia Davenport**, Acting CEO, County of Los Angeles
2. **Daryl L. Osby**, Vice-Chair, Fire Chief, County of Los Angeles Fire Dept.
3. **Alex Villanueva**, Chair, Sheriff, Los Angeles County Sheriff's Dept.
4. **Cathy Chidester**, Dir., EMS Agency, County of LADHS
5. **Chris Donovan**, Fire Chief, City of El Segundo Fire Dept.
6. **Vacant**
7. **Mark R. Alexander**, City Manager, CA Contract Cities Assoc.
8. **Mark Fronterotta**, Chief of Police, City of Inglewood Police Dept.
9. **Chris Nunley**, Chief of Police, City of Signal Hill Police Dept.
10. **John Curley**, Chief of Police, City of Covina Police Dept.

Alternates:

John Geiger, General Manager, CEO, County of Los Angeles
Thomas Ewald, Deputy Fire Chief, County of Los Angeles Fire Dept.
Mark Glatt, Chief, Los Angeles County Sheriff's Dept.
Kay Fruhwirth, Asst., Dir., EMS Agency, County of LADHS
Vacant
Brian Solinsky, Deputy Chief, City of South Pasadena Police Dept.
Marcel Rodarte, Executive Dir., CA Contract Cities Assoc.
Ed Ridens, Deputy Chief, City of Inglewood Police Dept.
Brian Leyn, Captain, City of Signal Hill Police Dept.
David Povero, Captain, City of Covina Police Dept.

Officers:

Scott Edson, Executive Director
Arlene Barerra, County of Los Angeles Auditor-Controller
Keith Knox, County of Los Angeles, Treasurer and Tax Collector
Priscilla Dalrymple, Board Secretary



NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA

I. CALL TO ORDER

II. ANNOUNCE QUORUM – ROLL CALL

III. APPROVAL OF MINUTES (A)

A. December 3, 2020 – Minutes

Agenda Item A

IV. PUBLIC COMMENTS

V. CONSENT CALENDAR – NONE

VI. REPORTS (B-E)

B. Director's Report – Scott Edson

- Executive Summary

Agenda Item B

C. Project Manager's Report – Justin Delfino

Agenda Item C

D. Joint Operations and Technical Committee Chairs Report – No Report

E. Finance Committee Chairs Report – No Report

VII. DISCUSSION ITEMS (F-J)

F. PSBN Round 2 Implementation and Construction Update – Chris Odenthal

Agenda Item F

**G. Frequency and Licensing Issues Impacting Land Mobile Radio Deployment –
Chris Odenthal and Ted Pao**

Agenda Item G



- H. Update on Coastal Development Permit Process for Five Land Mobile Radio System Sites – Tanya Roth

Agenda Item H

- I. Outreach Update – Wendy Stallworth-Tait and Sven Crongeyer

Agenda Item I

- J. LMR System Capacity and Coverage Update

Agenda Item J

VIII. ADMINISTRATIVE MATTERS (K-N)

K. DELEGATED AUTHORITY TO THE EXECUTIVE DIRECTOR TO ACCEPT EQUIPMENT ON A GRATIS BASIS

It is recommended that your Board delegate authority to the Executive Director to execute a receipt between the Authority and the Pasadena, in substantially similar form to the Enclosure, to allow the Authority to accept certain combiner equipment, on a gratis basis, for the purposes of testing and evaluating compatibility and functionality of the equipment on the LMR Early Deployment System.

Agenda Item K

L. AUTHORIZE THE EXECUTIVE DIRECTOR TO ISSUE PROCUREMENTS FOR ENGINEERING DESIGN SERVICES AND CONSTRUCTION SERVICES FOR THE LAND MOBILE RADIO SYSTEM

It is recommended that your Board authorize the Executive Director to proceed with procuring services from architectural and engineering (A&E) and construction contractors via a Request for Proposal (RFP), a prequalification process, an Invitation for Bid (IFB), or any other appropriate procurement mechanism Public Works deems necessary for the acquisition of qualified and responsible A&E and construction contractors, as needed, for a not-to-exceed amount of \$100,000.

Agenda Item L



M. APPROVE AMENDMENT NO. 51 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM LAND MOBILE RADIO SYSTEM

It is recommended that your Board

1. Make the following findings with respect to the LMR Change Order Modifications:
 - a. Find that (a) approval of Amendment No. 51 to contemplate certain Change Order Modifications at two (2) LMR System Sites, Los Angeles County Fire Command (FCCF) and Los Angeles County Sheriff's Department Palmdale Station) (PLM) related to a leased fiber link between FCCF and PLM, is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at these two (2) sites, which your Board previously found statutorily exempt from review under the California Environmental Quality Act (CEQA) on November 13, 2014 and December 17, 2015 pursuant to Public Resources Code Section 21080.25, the exemption adopted specifically for the LA-RICS, and any leased circuit work that may occur outside of Site FCCF and Site PLM, if needed to provide network connectivity to the LMR System, categorically exempt under CEQA pursuant to Guidelines Section 15301 (existing facilities), 15303 (new construction or conversion of small structures), and 15304 (minor alterations to land).
 - b. Find that (a) approval of Amendment No. 51 to contemplate certain Change Order Modifications at one (1) LMR System Sites, Compton Court Building (CCB related to a microwave installation modification, is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at this one (1) site, which your Board previously found statutorily exempt from review under CEQA on November 13, 2014, pursuant to Public Resources Code Section 21080.25, the exemption adopted specifically for the LA-RICS Project, and any leased circuit work that may occur outside of Site CCB, if needed to provide network connectivity to the LMR System, categorically exempt under CEQA pursuant to Guidelines Section 15301 (existing facilities), 15303 (new construction or conversion of small structures), and 15304 (minor alterations to land).



2. Approve Amendment No. 51 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to incorporate certain LMR Change Order Modifications as further described in this board letter for a total cost increase in the amount of \$23,977.
3. Authorize an increase to the Maximum Contract Sum in the amount of \$23,977, when taking the recommended actions into consideration from \$290,580,360 to \$290,604,337.
4. Allow for the issuance of one of more Notices to Proceed for the Work contemplated in Amendment No. 51.
5. Delegate authority to the Executive Director to execute Amendment No. 51, in substantially similar form, to the enclosed Amendment (Enclosure).

Agenda Item M

N. AMENDMENT NO. 29 TO THE PROJECT AND CONSTRUCTION MANAGEMENT SERVICES AGREEMENT

It is recommended that your Board:

1. Find that the proposed Amendment No. 29 with Jacobs for environmental professional services is not subject to the California Environmental Quality Act (CEQA) because it is not defined as a project under CEQA and does not have the potential for causing a significant effect on the environment.
2. Approve Amendment No. 29, substantially similar in form to the (Enclosure), which contemplates revising the Agreement with Jacobs to increase environmental work as follows:
 - a. Include all work necessary to implement environmental Mitigation Monitoring and Reporting Plan (MMRP) work for the Land Mobile Radio (LMR) program for a cost increase in the amount of \$2,362,855.
 - b. Include certain Visual Impact Assessment Quality Mitigation Measure (VIAMM) services in connection with the MMRP for a cost increase in the amount of \$97,914.



- c. Include certain Soils Management services to be provided on an as-needed basis for a cost increase in the amount of \$64,002.
3. Approve an increase to the Maximum Contract Sum by \$2,524,771 from \$64,806,363 to \$67,331,134 when taking revisions contemplated in Amendment No. 29 into consideration.
4. Delegate authority to the Executive Director to execute Amendment No. 29, in substantially similar form, to the enclosed Amendment (Enclosure).
5. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 29.

Agenda Item N

IX. MISCELLANEOUS – NONE

X. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE BOARD

XI. CLOSED SESSION REPORT

1. CONFERENCE WITH LEGAL COUNSEL –Anticipated Litigation (subdivision (d) of Government Code Section 54956.9) (1 case)

XII. ADJOURNMENT AND NEXT MEETING:

Thursday, February 4, 2021, at 9:00 a.m., via Microsoft Teams / Teleconference Meeting.



BOARD MEETING INFORMATION

In accordance with Executive Order No. 25-20 on March 17, 2020 by the Governor of the State of California, this Meeting can be conducted via teleconference. Members of the public are invited to participate in the Teleconference meeting via the phone number provided above, and address the LA-RICS Authority Board on any item on the agenda prior to action by the Board on that specific item. Members of the public may also address the Board on any matter within the subject matter jurisdiction of the Board. The Board will entertain such comments during the Public Comment period. Public Comment will be limited to three (3) minutes per individual for each item addressed, unless there are more than ten (10) requests for each item, in which case the Public Comment will be limited to one (1) minute per individual. The aforementioned limitation may be waived by the Board's Chair.

(NOTE: Pursuant to Government Code Section 54954.3(b) the legislative body of a local agency may adopt reasonable regulations, including, but not limited to, regulations limiting the total amount of time allocated for public testimony on particular issues and for each individual speaker.)

It is requested that individuals who require the services of a translator contact the Board Secretary no later than the day preceding the meeting. Whenever possible, a translator will be provided. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or services may be provided upon request. To ensure availability, you are advised to make your request as soon as possible. (323) 881-8291 or (323) 881-8295

SI REQUIERE SERVICIOS DE TRADUCCION, FAVOR DE NOTIFICAR LA OFICINA LO MAS PRONTO POSIBLE. (323) 881-8291 o (323) 881-8295

The meeting is recorded, and the recording is kept for 30 days.



BOARD OF DIRECTORS SPECIAL MEETING MINUTES

**LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY**

Thursday, December 3, 2020 • 9:00 a.m.
Conducted via Microsoft Teams Meeting*

Board Members Present:

Mark Alexander, City Manager, CA Contract Cities Assoc.
Mark Fronterotta, Chief of Police, City of Inglewood Police Dept.
John Curley, Chief of Police, City of Covina Police Dept.

Alternates For Board Members Present:

John Geiger, General Manager, County of Los Angeles
Thomas Ewald, Vice-Chair, Deputy Fire Chief, County of Los Angeles Fire Dept.
Mark Glatt, Chief, Los Angeles County Sheriff's Dept.
Kay Fruhwirth, Asst., Dir., EMS Agency, County of LADHS

Officers Present:

Scott Edson, LA-RICS Executive Director
Priscilla Dalrymple, LA-RICS Board Secretary

Absent:

Chris Donovan, Fire Chief, City of El Segundo Fire Dept.
Joe Ortiz, Chief of Police, City of South Pasadena Police Dept.
Chris Nunley, Chief of Police, City of Signal Hill Police Dept.



NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA

I. CALL TO ORDER

Alternate Chair, Mark Glatt, called the Special Board meeting to order at 9:03 a.m.

II. ANNOUNCE QUORUM – Roll Call

Alternate Chair Glatt asked for a roll call and acknowledged a quorum was present.

III. APPROVAL OF MINUTES (A)

A. November 18, 2020 – Special Minutes

Alternate Chair Glatt asked if there were any questions or comments from the Board.

There were none.

Board Member Mark Fronterotta motioned first, seconded by Alternate Board Member Thomas Ewald.

Ayes 7: Alexander, Curley, Ewald, Fronterotta, Fruhwirth, Geiger, and Glatt.

MOTION APPROVED.

IV. PUBLIC COMMENTS – NONE

V. CONSENT CALENDAR – NONE

VI. REPORTS (B-E)

B. Director's Report – Scott Edson

Executive Director Scott Edson thanked everyone for their service to the public during these unusual times and stated we look forward to 2021 bringing new opportunities; please stay safe!

LTE 2 Update

In regards to the LTE 2 update, Executive Director Edson provided an overview and stated since the last meeting, the team followed up with National Telecommunications and Information Administration (NTIA)/National Oceanic and Atmospheric Administration (NOAA) on the status of the Asset Transfer Agreement. The grantor



informed the team they do not have any questions so far and understand the urgency in getting these sites transferred to AT&T so they form part of the National system.

Executive Director Edson also stated the team continues to work on construction of sites 21 through 26; Project Director Chris Odenthal will provide a detailed update on those under Agenda Item F.

Executive Director stated he is happy to report POM2 site is cleared for construction and received clearance on mitigation relating to the lead based paint and asbestos. The team continues to outreach between Port of Long Beach and AT&T to help achieve a lease agreement so construction can complete at the site. Long Beach Police Department (LBPD) Chief Luna has provided Deputy Chief Smith to assist LA-RICS.

LMR Update

In regards to the Land Mobile Radio (LMR) update, Executive Director Edson stated as for the Integrated Master Schedule (IMS), the team continues to work with Motorola (MSI) to update the IMS as well as bring in additional permits.

LA-RICS has not accepted schedule submission in over six (6) months, with MSI owing the team answers on a Request for Quote (RFQ), which the team expects will yield schedule efficiencies achieved by re-sequence of certain Phase 4B activities. We hoped to provide a positive update on this item; however, MSI decided additional time is needed to prepare a quote for their work effort on responding to the RFQ. This was a very unusual response and a first of its kind from MSI but they were adamant; the team is evaluating options internally.

Executive Director Edson also stated the team continues to work closely with the County of Los Angeles as the Spectrum Manager of the frequencies upon which LA-RICS is being built to ensure the solution to the interference with Channel 15 (Mexico) is achievable, via the required Sheriff's Department narrow-banding effort and stated he is happy to report the County has ensured narrow-banding work will complete ahead of the time required to complete LMR scheduled activities. The team will continue to closely track the interference mitigation work and report to your Board in meetings to come.

As far as building permits, LA-RICS continues to have forty-seven (47) in hand with only three (3) remaining to be submitted.

Lastly, Executive Director Edson stated the Coastal sites in the Santa Monica Mountains as previously reported to your Board, the County Board of Supervisors (BOS) held a public hearing on November 24, 2020, and unanimously denied the appeals. Executive Director Edson acknowledged and thanked Assistant Fire Chief



Ramirez, Battalion Chief Cabrera, and Chief Glatt for all their public speaking during the hearing and stated all of their voices were well heard and appreciated. LA-RICS expects the BOS will certify its decision in January. Deputy Program Manager Tanya Roth will provide additional details to your Board under Agenda Item G.

Grants

In regards to the Grants update, the Urban Areas Security Initiative (UASI) grants, Los Angeles / Long Beach UASI Approval Authority directed interoperable communications working group met on November 19, 2020 to prepare a recommended funding percentage / funding level for the Operations & Maintenance (O&M) of the interoperable communications projects, which includes LA-RICS. The working group will present a funding recommendation to the Approval Authority at their December meeting along with a letter detailing the breadth and scope of Operations & Maintenance associated with individual systems, such as LAPD, as well as O&M of large scale HUB), such as LA-RICS. The recommendation to the Approval Authority will remind members building a regional system was tied to the commitment to fund O&M activities to ensure agency participation and best service for its users. As systems are approaching completion of their deployment phase, it is time to commit funding for sustainment, thus the ongoing O&M. The approval authority December meeting date is pending. The team will be sure to report the status to your board.

In regards to the Broadband Technology Opportunity Program (BTOP) grant, as LA-RICS awaits the federal grantor approval of the Asset Transfer Agreement and the team wraps up the Long Term Evolution (LTE) program, LA-RICS is saying farewell to a partner and friend. In 2009 through an agreement with Deltawrx, LA-RICS first met Televate staff as they helped prepare the BTOP grant application, which your Board is aware yielded the largest award in the Nation to build a dedicated Broadband Public Safety System. In 2011, upon receipt of the grant, the team entered into an Agreement with Televate to serve as the LA-RICS Authority's Broadband Engineering Consultant and Subject Matter Expert. They never let us down!!! Fast-forward a few years, several hurdles, HR 3630, acts of congress, negotiations, and agreements, the team has successfully built almost 100 Public Safety grade sites in Los Angeles County to be incorporated into the National PSBN.

Executive Director Edson went on to state the team has routers in first responder vehicles functioning on this system at less cost than before, and deployables ready to provide mission critical support to our first responders. The team has trained the first responders on this platform, and have demanded and received, what public safety is owed out of this Public Safety Broadband Network. All of these achievements were accomplished with the expertise of Televate and are too many to list and for this, the team will take this opportunity to thank our partners and friends from Televate. They have stood with us and provided steadfast support, expertise, solutions and results;

have consistently stayed on budget and on schedule despite the challenges experienced. As LA-RICS concludes the Long Term Evolution (LTE) portion of our project, the team proudly recognizes our accomplishments were achievable through this successful relationship and partnership - which is hard to see end. Nevertheless, it is only their contract, which will end, as Televate will always be considered a partner to Los Angeles County public safety. LA-RICS has a plaque to present to Joe Ross and Rick Burke and their team virtually; Televate is truly a public safety partner! Executive Director Edson read the plaque which stated, "Presented to Televate for Outstanding Dedication and Commitment to LA-RICS and its Public Safety Mission 2009-2020 A fabulous and long-term and forever partner to Los Angeles County".

Alternate Chair Glatt stated on behalf of the Board thanks to Televate for their long, hard work on the LTE project; and went on to state he has done many projects with Los Angeles County nowhere near this scale and cannot imagine how much work, time, and effort went into a project on a scale of this sort. In addition, putting together from scratch basically a communication network. Alternate Chair Glatt stated thank you on behalf of the public safety community and wished them the best in future endeavors.

Alternate Board Member Thomas Ewald stated on behalf of Vice-Chair Fire Chief Daryl Osby, the men and women of Los Angeles County Fire Department (LACoFD), particularly the staff that is assigned to the LA-RICS project, he would like to extend appreciation to Televate for their professionalism and commitment over the years in leading us and meeting the success of the deployment of the systems. Thank you from the LACoFD.

Alternate Board Member Geiger stated on behalf of the Chief Executive Office (CEO) he would like to add Televate was there from the beginning and our success is their success and offered up great appreciation for their partnership throughout the years.

There was no further discussion.

C. Project Manager's Report – Justin Delfino

LTE2 Current Status:

Program Manager Justin Delfino presented the status of LTE2 and stated 75% of the sites have been accepted by FirstNet AT&T; fifteen (15) out of the first batch of twenty (20) sites. The team is well positioned on gaining acceptance of the remaining five (5) sites; Project Director Odenthal will explain in more detail the progress that LTE2 has made toward completion.



LTE2 Sites 21 through 26

Program Manager Delfino provided an overview of sites 21 through 26 as stated below:

- MML2 – Base scope work completed.
- MTBLPD – Base scope work completed.
- POLA1 – Missing part will be re-purchased and installed, two (2) weeks to complete site after new part arrives. Power connection requires action by LADWP.
- POLA2 - Power run proposal approved by Fenix, COR to pay for the work is under review by Authority, work to commence end of December 2020, or early January 2021 depending on availability of Fenix Terminals.
- POM2 – Work is forecasted to begin January 2, 2021.

LMR PROGRAM CONSTRUCTION OVERVIEW

Program Manager Delfino provided an update on the construction overview and shared some recent successes on the LMR Program as stated below:

- Appeals for LACF072 and SPN will now be heard by California Coastal Commission. Deputy Program Manager Roth will provide more detail under Agenda Item G.

Open and Active Sites:

- Phase 2 work is currently underway at GMT, JPK2, LPC, MDI, MML, PMT, PRG, RHT, RIH, BUR1, CPK.
- Phase 4 work is currently underway at GMT, JPK2, PRG, RIH, WTR, WMP.
- Phase 2 work completion for UASI 18 is on track for thirteen (13) site completions and ten (10) sites that had small tasks to complete have all been completed with the exception of INDWT; SCE committed to complete by the end of December 2020.

SAA

Program Manager Delfino stated there is one (1) outstanding SAA for DPK and Deputy Program Manager Roth will address in the Coastal update in detail under Agenda Item G.



Current Focus:

Program Manager Delfino stated as Executive Director Edson mentioned in his report, the schedule has been a primary focus between the LA-RICS and MSI Teams and provided highlights below:

- In order to arrive at schedule IMS resolution, Phase 2 and Phase 4 work needed to be further scrutinized to ensure that unnecessary lags were removed, scope was appropriately captured for each site, and work sequence was accurate and efficient. MSI created a Fragnet schedule making several modifications that will allow an earlier completion of the Program by several months. MSI and Authority are working through each change in detail prior to directing the changes be made and accepting a re-baselined IMS due to severe schedule impacts in 2020 (COVID, fires, etc.) The Authority is expecting to receive an updated version of the IMS that includes all changes in December 2020.
- Grant spend coordination with MSI to ensure adherence to the spending plans.
- West Cell Configuration RFQ No. 60 response from MSI.

Program Manager Delfino provided updates and shared site photos of what the Team has been working on as stated below:

LPC

This site is located in the US Forest and is a collocated site (LTE/LMR). The tower is erected and completed (shelter, fence, etc.).

PMT

This is the only solar site; the foundation is under construction. This is a UASI 19 site.

RIH

A storm drain system is being installed and the Team is making good progress at this site.

MDI

This is a busy antenna site and MSI did have difficulties with a final tower location at this site, due to the proximity to other towers and underground utilities. The equipment pad and re-bar tied was installed.

GMT

Tower is up, shelter in, and generator tank set. The Team is working on some last minute touch ups before this site comes to a complete close, pending some junction boxes that need to be set. This site is tracking on-time for grant spend completion.



BUR1

Layout of the tower and the drilling machine used for this site (Shown pictured).

Lastly, Program Manager Delfino stated for the next Board meeting hoping to have some pictures of CPK as construction is starting this week.

This concludes the Project Manager's Report.

There was no further discussion.

D. Joint Operations and Technical Committee Chairs Report – No Report

E. Finance Committee Chair Report – No Report

VII. DISCUSSION ITEMS (F-G)

F. PSBN Round 2 Implementation and Construction Update – Chris Odenthal

Program Director Odenthal presented Agenda Item F and provided an update on sites 21 through 26 and stated Executive Director Edson and Program Manager Delfino had provided important key points of each of these sites and where LA-RICS stands and added details on a couple of relevant points as highlighted below:

MML2

Punch walk to be scheduled first week of December and then this site will be handed over to AT&T.

MNTBLPD

Completed work includes lines, antennas, and the tower. The team is still in conversation with Montebello on their existing tower and have not told us the plan yet to move a microwave and the team is working through that with the city.

POLA1 and POLA2

As mentioned by Program Manager Delfino, the installation is complete and all equipment is on site. The only thing remaining is DPW to energize in about three (3) weeks and this site will be delivered to AT&T.

POLB1

As touched on briefly by Executive Director Edson, the team is working with the City of Long Beach PD as well as Port Security for an update on any movement on the financial terms that the Port has presented to AT&T. Presently it is twice as much of as the neighboring City of Los Angeles Port complex, where the team put two (2) sites. This is the last outstanding item. LA-RICS has completed all agreed work at this site.



POM2

As briefly explained by Program Manager Delfino and Executive Director Edson, this site has asbestos issues and the team is very familiar with the process. The JCC does have its own process using their vendor as well as the check boxes to be completed, which are all finally completed and the team will conduct the site walk with construction to begin immediately thereafter.

There was no further discussion.

G. Update on Coastal Development Permit Process for Five Land Mobile Radio System Sites – Tanya Roth

Deputy Program Manager Tanya Roth provided an update and stated the highlight of this Coastal report is the good news from the BOS de novo hearing last week that both Executive Director Edson and Program Manager Delfino touched on in their report. The BOS denied all appeals relating to Saddle Peak and Fire Station 072 and found in favor of the project proceeding forward.

Deputy Program Manager Roth echoed Executive Director Edson's comments, thanking Assistant Fire Chief Ramirez, Battalion Chief Cabrera, and Chief Glatt for their testimony in support of the project. She shared that hearing from the end users of the system really adds invaluable context at the hearing that highlights the need for the sites.

Next up is for the Board's decision to agendize on consent and staff is coordinating with the BOS office and targeting a January meeting. Once consent is finalized, the next step in the process is the secondary appeal period appealable to the Coastal Site Commission. Provided there are no appeals at that time the Coastal Development Permits (CDP) will be finalized.

In regards to the Catalina sites, Black Jack Mountain (BJM), Dakin Peak (DPK), and Tower Peak (TWR), staff are working closely with Department of Regional Planning (DRP) to complete the final administrative steps for the formal three (3) Coastal Permits. In parallel to those efforts, MSI is working with Public Works to address all plan check comments for issuance of Building Permits.

As reported in our meeting last month, the SAAs for BJM and TWR, are complete with DPK following in 3rd place. Once the trifecta of a CDP, building permit and a fully executed agreement are in place for each site then construction can commence.

There was no further discussion.



VIII. ADMINISTRATIVE MATTERS (H)

H. APPROVE AMENDMENT NO. 2 TO AGREEMENT NO. LA-RICS 012 WITH SD EDSON, INC., FOR PROFESSIONAL SERVICES

County Counsel Truc Moore presented Agenda Item H, Amendment No.2 to Agreement No. LA-RICS 012 with SD Edson, Inc., for professional services with Executive Director Scott Edson and recommended the Board take the following actions:

1. Approve Amendment No. 2 to the Professional Services Agreement with SD Edson, Inc., for Executive Director services, substantially similar in form to the Enclosure, which revises the Agreement to reflect the following:
 - a. Extend the current Term to March 25, 2023.
 - b. Revise the Term to include a one (1) year renewal option to expire on March 25, 2024, if exercised in the sole discretion of the Authority.
 - c. The existing billed hourly rate of \$111.30 and not-to-exceed amount of \$231,504 per year shall remain unchanged. Executive Director Edson salary will be funded out 100% from the LA-RICS operating budget and has already been approved as of October 1, 2020. Executive Director Edson is funded 100% from member contributions, currently consist of \$6 million and was previously paid from AT&T to the LA-RICS Authority Business Agreement. The fiscal impact previously reported paid through UASI and this is not the case. Previously paid through September 30th for 50% by LTE under BTOP and 50% under member contribution. As of October 1, 2020, is funded 100% through member contributions.
2. Authorize the Chair of the Board, or his designee, to execute Amendment No. 2, in substantially similar form to the enclosed amendment (Enclosure).

Alternate Board Member Geiger stated he would move to amend the motion on Item No. 2; as written the Delegated Authority is to the Chair of the Board or his designee for execution and the request is to amend to state to Chair or Alternate Chair. Alternate Board Member Thomas Ewald seconded to move to amend.

Alternate Board Member Geiger motioned first, seconded by Board Member Mark Alexander to approve Agenda Item H as amended.

County Counsel Moore stated in compliance with state law, she will read into the record that the Board has approved a contract extension to Agreement No. 012 with



SD Edson, Inc., for a not-to-exceed amount of \$231,504 per year for Scott Edson at the hourly rate of \$111.30. His contract will not expire until March 25, 2023, and there remains a one (1) year renewal option.

Ayes 7: Alexander, Curley, Ewald, Fronterotta, Fruhwirth, Geiger, and Glatt.

MOTION APPROVED.

IX. MISCELLANEOUS – NONE

X. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE BOARD

XI. CLOSED SESSION REPORT

The Board entered into Closed Session at 9:34 am for Item No. 1 only.

1. CONFERENCE WITH LEGAL COUNSEL –Anticipated Litigation (subdivision (d) of Government Code Section 54956.9) (1 case)

The Board returned from Closed Session at 10:01 am and Counsel Moore took roll call and acknowledged a quorum was present. Counsel Moore stated the Brown Act does not require a report.

XII. ADJOURNMENT AND NEXT MEETING:

The Board meeting adjourned at 10:02 a.m., and the next meeting will be held on Thursday, January 7, 2021, at 9:00 a.m., via Teleconference/Microsoft Teams Meeting.

Chair Glatt wished everyone safe and Happy Holidays.

Executive Summary

January 7, 2021

LTE Update

- PSBN Round 2 – The month of December 2020 is focused on site acceptance of the remaining five (5) sites for the first group of twenty (20) builds. For sites 1-20, there were no recordable injuries, labor compliance violations, nor environmental findings on the build-out. Regarding sites 21-26, LA-RICS has nearly completed both POLA1 and POLA2 installations. POLA1 requires action from LADWP in order to complete. POLA2 requires the final determination to be made at Fenix Terminal for electrical utility. POLA2 requires an additional ninety-five (95) feet of trenching to connect to the existing raceway for house power. LA-RICS and Fenix Terminal management are coordinating the work to start prior to the Christmas Holiday. MML2 completed and POM2 is planned to start construction just prior to the Christmas Holiday as well. MNTBLPD will have all final build elements completed prior to the end of the year. Lastly, POLB1 cannot yet start construction since the negotiation between the Port of Long Beach and AT&T FirstNet is not yet complete. LA-RICS and its contractors are poised to bolster FirstNet/AT&T coverage in the region with the delivery of twenty-six (26) public safety grade LTE sites in 2020.

LMR Update

- Building Permit(s) Received – 46 Sites to date. There are twelve (12) building permits remaining. Total site count remains at fifty-eight (58) sites.
- The May 12, 2020, the Integrated Master Schedule (IMS) had indicated that all Phase 2 work would be completed in 2021, and all Phase 4 work would be completed by March 28, 2022; however, in the month of June, MSI made unauthorized changes to the IMS pushing the schedule into 2023. The Authority had spent the remainder of June, July, and August focusing on the origin of the unauthorized extension. In October, MSI indicated they have added time due to underestimating previously. In addition, there were Force Major Delays which occurred in September (Bobcat Fire) that caused delay. In addition, appeals were filed with the Department of Regional Planning and California Coastal Commission against the Saddle Peak site (SPN) and LA County Fire Station 072 (LACF072) sites. The MSI and LA-RICS Teams met continually to work on assuring correct logic ties are in place and all forecasted dates are accurate as well as accounting for the items causing delays. The teams agreed that the December 1, 2020, data date schedule is acceptable. The Program is now planned to complete on August 31, 2022.
- Sites Eligible to Construct: (Includes Completed Sites, Sites under Construction and/or Equipment Installs and Locations).
 1. APC – Junction of I-105 and I-405
 2. BMT – Angeles, overlooking CA-138 and I-5
 3. CCB – Compton
 4. CCT – Downtown
 5. CLM – Claremont
 6. FCCF – 1320 Eastern Ave
 7. HPK – Northern Angeles,
 8. LAN – Lancaster Sherriff Station
 9. LDWP243 – Junction of I-5 and CA-14
 10. LASDTEM – Temple City

11. LA-RICS HQ, - Monterey Park
12. MLM – Mira Loma Detention Center
13. MMC – Palmdale – Sierra Pelona Mountain Way
14. MVS – Whittier
15. ONK – Oat Nike
16. PHN – Puente Hills
17. PLM – Palmdale
18. SDW – San Dimas Water Tank
19. TPK – Gorman
20. VPK – Verdugo Peak – Glendale
21. SGH – Signal Hill
22. MIR – Mirador
23. BKK - West Covina
24. OAT – Nike
25. AGH – Agoura Hills
26. INDWT – Industry Water Tank
27. BHS – Baldwin Hills
28. RIH – Rio Hondo
29. CRN – Cerro Negro
30. POM – Pomona Courthouse

31. DPW038 – Water Works Substation 038
32. UCLA
33. Del Valle Training Center
34. RHT – Rolling Hills Transmit
35. GMT – Grass Mountain
36. JPK2 – Johnstone Peak 2
37. PRG – Portal Ridge
38. WMP – Whitaker Middle Peak
39. WTR – Whitaker Ridge
40. LPC – Loop Canyon
41. MML – Magic Mountain Link
42. PMT – Pine Mountain
43. MDI – Mount Disappointment
44. FRP – Frost Peak
45. TOP – Topanga Peak
46. UNIV - Universal

LA-RICS GRANT STATUS					
Grant	Award	Costs Incurred/NTP Issued	Invoiced / Paid	Remaining Balance	Performance Period
UASI 12	\$18,263,579	\$18,263,579	\$18,263,579	\$-	3/31/17
UASI 13	\$13,744,067	\$13,744,067	\$13,744,067	\$-	3/31/18
UASI 14	\$4,997,544	\$4,997,544	\$4,997,544	\$-	7/31/17
UASI 16	\$5,240,455	\$5,240,455	\$5,240,455	\$-	5/31/19
UASI 17	\$34,763,750	\$34,763,750	\$34,763,750	\$-	5/31/20
UASI 18	\$35,000,030	\$32,906,402	\$ 15,604,641	\$2,093,628	5/31/21
UASI 19	\$35,000,000	\$8,914,838	\$ 0	\$26,085,162	5/31/22
BTOP	\$149,608,227	\$149,608,227	\$149,608,227	\$ 0*	9/30/20

*\$0 Balance remaining to NTP on activities approved through Special Award Condition Amendment No. 30.

Los Angeles Regional Interoperable Communications System

PROJECT DESCRIPTION

Events of September 11, 2001 highlighted the need for first responders to be able to communicate with each other. Emergency communications primarily address local jurisdictional needs and most agencies utilize separate radio towers, equipment, and radio frequencies. LA-RICS is designed to address each of these concerns.

Currently, there is duplication of systems which leads to increased costs while continuing to inhibit first responders' ability communicate with each other. Many legacy systems around the County are obsolete and well beyond their useful life. The LA-RICS Project vision is to provide innovative solutions for the public safety community by removing barriers to interoperable voice and data communications and allow individuals and agencies to focus on accomplishing their mission with the tools necessary to provide excellent service to their communities. To accomplish this vision, the program is implementing a County-wide public safety wireless voice and data radio system for all first and secondary responders. Existing radio frequencies will be pooled, and the current infrastructure utilized wherever practical.

Design, construction, and deployment of a County-wide Land Mobile Radio (LMR) voice network utilizes 59 sites. Additionally, the Authority is analyzing twenty-six (26) sites for the purpose of augmenting the FirstNet deployment in the region. All sites in both the LMR and LTE augmentation will comply with CEQA and NEPA standards.

Project and Construction Management Services will provide network, infrastructure, project, and advisory services across four of the five program phases (Phase 5 – Maintenance is excluded) for each of the LMR and LTE projects:

- Phase 1 - System design
- Phase 2 - Site construction and modification
- Phase 3 - Supply telecommunication system components
- Phase 4 - Telecommunications system implementation
- Phase 5 - Telecommunications system maintenance

Location:

2525 Corporate Place, Suite 100
Monterey Park, CA 91754

Authority:

Los Angeles Regional Interoperable
Communications System

Management:

LA-RICS Project Team

Consultant:

Jacobs Program Management Company

Communications Vendor:

LMR - Motorola Solutions, Inc.
LTE - Motorola Solutions, Inc., David Evans
& Associates, Metrocell, Inc., Diversified
Communications, Inc, Motive Energy, Inc.
and Jitney, Inc.



Monthly Report No. 104

For December 2020

Submitted December 31, 2020

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AGENDA ITEM C

LTE UPDATES

- No new activity

Operations/Governance

- The LA-RICS Operations team is holding meetings three (3) times a week to focus on the following:

1. Manage network migration from LA-RICS PSBN to AT&T FirstNet
2. Ensure internal LA-RICS operational aspects are in place
3. Develop and Implement Policies

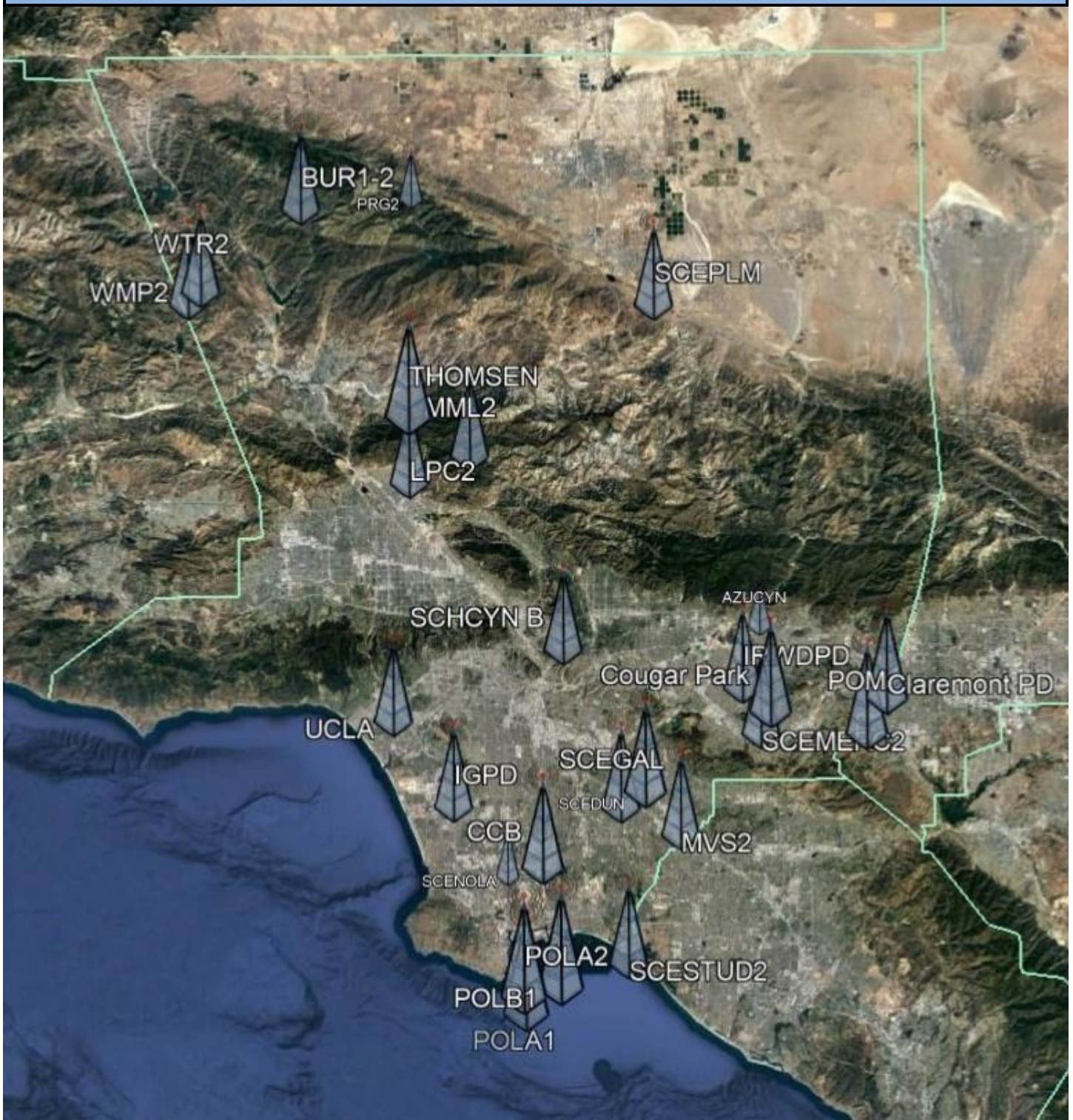
Special Events

- No new activity.

LTE Round 2 Updates

- Twenty (20) sites are substantially completed. The LA-RICS Authority successfully closed out its BTOP grant with NTIA.
 - There are no safety issues to report on in this period.
 - FirstNet AT&T is continuing to review and accept sites. 15 of the initial 20 sites have been accepted. FirstNet AT&T is in progress of accepting the 5 remaining, FirstNet AT&T indicated that its reviewers were mostly unavailable in December, but some reviews were conducted. LA-RICS anticipates that FirstNet AT&T will have the remaining 5 sites completely reviewed and accepted in January 2021.
- Work on sites twenty-one (21) through twenty-six (26) is continuing under a revised agreement with FirstNet/ AT&T.
 - Construction Status:
 - Substantially Completed Site(s): MML2 and MTBLPD
 - Mid-January Completion Site(s): POLA1 and POLA2.
 - Construction Start January 2nd: POM2
 - The City of Long Beach and FirstNet AT&T continue negotiations to finalize the Site Access Agreement for the POLB1 Site. Therefore, LA-RICS has not yet started construction on the POLB1 site.

LTE2 SITE MAP



LMR UPDATES

General Comment: Monthly Report #88 issued by MSI contains some inaccurate statements, vague statements, and/or misstatements regarding acceptance of the current master schedule, notices of constructive delays, lease agreements, zoning approvals, power, and agency cutovers. These issues are addressed in this report and will also be addressed directly with MSI through rebuttal by Jacobs.

Environmental Update

- Upon receipt of Motorola's response to the Authority's December 8th correspondence, on December 10th Jacobs was asked to immediately begin performing MMRP environmental monitoring services at sites already in construction. Jacobs immediately fielded environmental staff and was on site at all sites that required monitoring on December 12th (first day that Motorola was active in construction from notification of scope re-assignment). Up until December 8th, Jacobs had continued to review PNS' and FCS' weekly and daily compliance reports, and to attend a weekly compliance status meeting.
- Have accomplished Worker Environmental Awareness Program (WEAP) training for 1,409 persons as of December 11th, 2020.
- Continued to support development of and to review MSI's coastal development permitting documents, planning documents for USFS sites, and pre-con plans and checklists for sites going into construction.
- No new NOE's or NOD's were required for actions taken during the December Board meeting.

Permitting Support

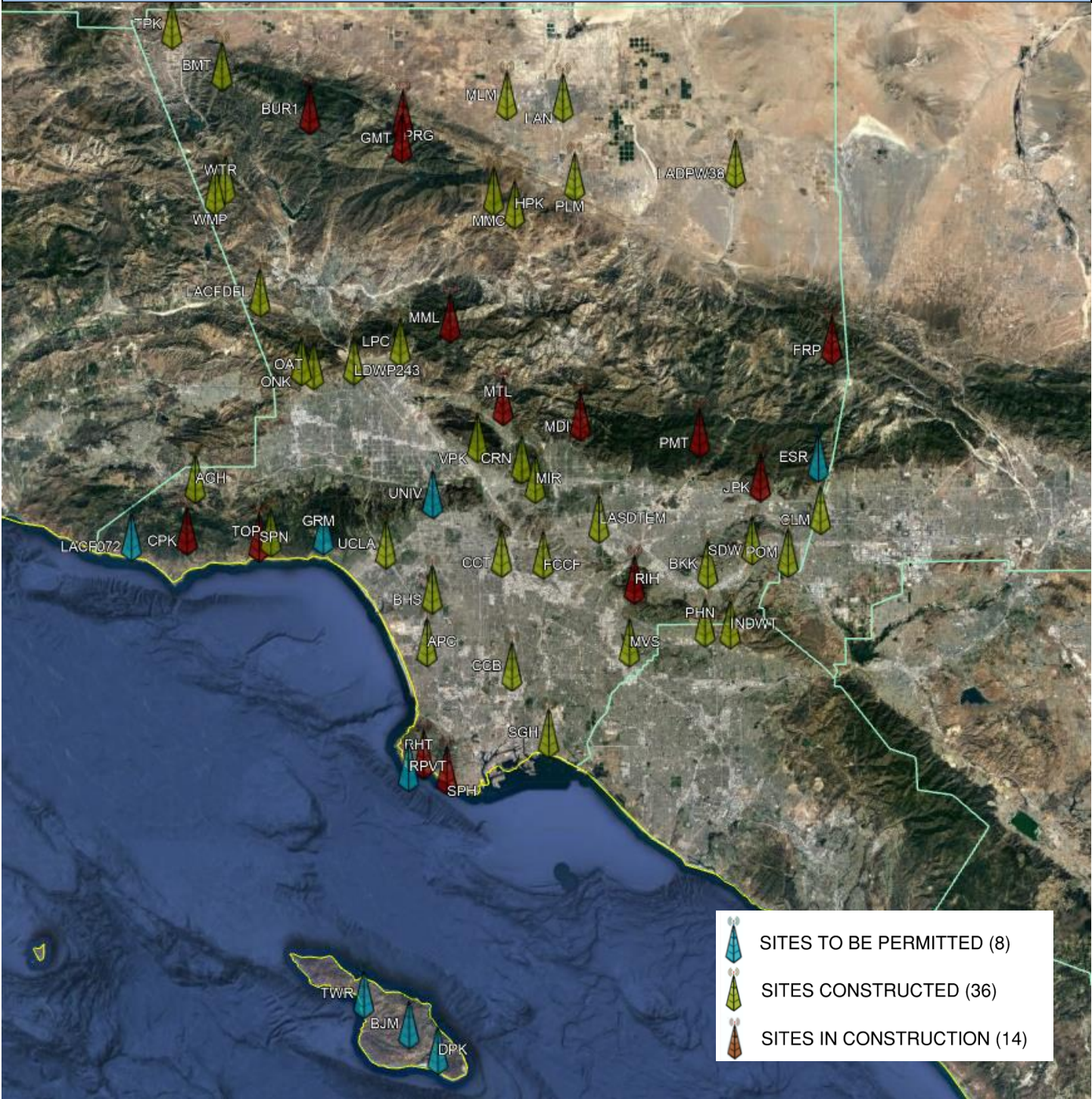
- DPW staff have been consistently engaged to provide just-in-time support for plan check activities, with a weekly dashboard being communicated between the Authority and DPW management. This system was stood up by the Authority to provide as much support as possible to a Motorola Team that has consistently struggled over the course of the Program with its Phase 1. Design responsibilities. The cooperation from LA County DPW plan reviewers particularly, has proven to reduce the drawing review cycle time overall between MSI and permitting authorities.
- The Decision Memo for the 13 LMR sites on the ANF was issued by the Angeles National Forest (ANF) on October 31st, 2019. All 12 of the sites in the ANF subject to an LA-RICS Special Use Permit (SUP) have now been permitted by the USFS. LA-RICS was eventually exempted by the ANF from the closure order affecting the Bobcat and Lake fire areas. Access to FRP is now closed for Mountain High's winter ski season effective November 7. Motorola has forecasted a mid-April date for the access road to re-open. LA-RICS as well as Motorola Teams will be closely monitoring the access road opening date as that will allow work to re-start at the site. Motorola failed to accomplish the work as planned, prior to the ski season of 2020. This delay has placed the finish of FRP on the critical path for overall program completion date. Motorola was notified by the Authority that due to its delay, a recovery effort must be made in accordance with Agreement No. 007, Exhibit A. Paragraph 1.4.16 where Motorola is required to do so. However, during schedule meetings at the closing of November and early-December 2020, Motorola's Program Director Art Vanags denied that Motorola was responsible for the costs to recover time, even though Motorola failed to complete the work on time as planned.

Site/Civil

- The LMR program continues to make progress, despite on-going COVID-19 impacts, as well as some weather impacts in the Forest this period that caused excusable delays. This fourth quarter was consistently active in Ph.2 work and the momentum to complete all planned UASI 18 work is expected to carry through March 1st, 2021. Motorola and the Authority have met to discuss the confidence in meeting UASI 18 objectives and Motorola has indicated that it is most concerned about completing twenty (20) close-out manuals by March 1st. Currently, there is still an opportunity to do so, and Motorola has appointed a new close-out lead that appears to be an improvement over previous manager.
- There have been several exchanges between MSI and LA-RICS in this period to address constructive change notices. At the BKK site, a seemingly simple change order to upgrade the transformer feeding the site, has been rejected by the Authority multiple times due to lacking information needed to support the change order. Motorola and its subcontractors have repeatedly fallen short to accurately capture the scope and the costs of such. One particular change order for VIAMM compliance at US Forest sites failed to appropriately capture mark-ups allowed under the Agreement. However, Motorola's Project Manager Jeff Pugay recognized the error after discussing it with Program Manager Delfino, and the Authority now expects to bring that change order to a close as approvable.
- On November 18th, the Authority transmitted RFQ No. 60 to Motorola. On December 22nd, Motorola supplied a quote not in response to the RFQ, but instead an estimated cost that Motorola felt should be paid to deliver the cost for the scope described in the RFQ.
- The Authority is still very much concerned with contractor staffing and supervision, particularly in Ph.2 and Ph. 4 work. In this period MSI notified the Authority that Carl McCormick, Sr. Construction Manager departed the Program in November and did not have a replacement, although expressed that the scouting process has started to find a suitable replacement. Motorola currently has seven (7) active sites for Ph.2 scope, they are: BUR1, MDI, MML, RIH, WMP, WTR and CPK. Motorola currently has four (4) Ph. 4 sites active; they are: GMT, RIH, WTR and WMP.
- There have been no environmental, nor USFS findings reported to date. There have been zero recordable safety incidents to date. The Integrated Master Schedule (IMS) dated December 1, 2020 has been accepted and shows a new Program Completion Date of 8/31/2022.
- Fifty (55) building permit applications have been made to date (LACFDEL, PHN, BMT, HPK, LDWP243, LASDTEM, FCCF, APC, CCB, CCT, PLM, MLM, MVS, ONK, LARICSHQ, CLM, MMC, TPK, VPK, POM, LAN, CRN, SDW, SGH, DPW038, OAT, UCLA, INDWT, AGH, BKK, MIR, BHS, FRP, GMT, JPK2, LPC, MDI, MML, PMT, PRG, WMP, WTR, RIH, RHT, CPK, UNIV, GRM, TOP, MTL2 and LACF072) and fifty two (52) of the fifty-five (55) sites have permits issued to date. MSI has elected to split permits at a number of project sites in the program for various reasons. An example of splitting the Ph. 2 scope into multiple permits is at RHT, where there is a "civil work" building permit issued, but the antenna support structure scope is an entirely separate permit and the electrical distribution scope is also a separate permit. The three sites remaining to enter the Building Permit process are SPH, SPN, and RELAY and are all expected to enter the permit process before the end of the January 2021. LA-RICS and Motorola anticipate that the next site to receive permits will be BJM, DPK, TWR, MTL2, and RPVT.
- As of 12/23/2020 there are fifty-six (56) executed SAA's. In this period DPK is routing for execution, which will make ESR the lone outstanding SAA, due to the injection of new comments from the infrastructure owner. Those sites remaining are ESR and DPK. Lease agreements for access have been secured in advance of or by the time needed for MSI to access the sites for construction.

- In the month of December 2020, Motorola and the Authority acknowledge that thirty (30) sites have normal power on, twelve (12) sites have not yet been attempted and sixteen (16) are under construction, or are substantially completed, but without power currently. Of the sixteen (16) sites, nine (9) have been inspected and meter released and are in the Southern California Edison queue for meter installation and the remaining seven (7) have not yet been inspected to trigger a meter release. Despite having the majority of the sites energized today, Motorola could have been even farther along had they employed the recommendations of the Owner's Representative to follow a common construction practice and sequence work to obtain "green tag" as one of the primary first objectives. Instead, Motorola continued in its course and has struggled to timely achieve electrical meter sets. Finally, in November 2020, Motorola agreed to employ the recommendation on future installations, as a work product of several joint schedule discussion sessions.
- At this time, the Authority is closely tracking site optimization with MSI and has noted that MSI is behind on-site optimizations given the available pool of candidate sites that have power where Motorola site technicians should be completing the work.
- Frequency usage and narrow-banding remain focal items for the LMR Program throughout the month of December while the Sheriff and ISD work to complete narrow-banding. However, the Teams were able to mutually agree to defer testing of certain sites. This work sequencing was captured in the December 1st data date Integrated Master Schedule accepted by the Authority. In addition, the Authority and Motorola learned on December 21st that the T-band repeal legislation was passed by Congress and signed by the President on December 27th. Outreach to Signal Hill PD and Covina PD has been conducted based on discussions at the JPA Board meeting in August 2020, with over half of Signal Hill PD's vehicles being reprogrammed to operate on LA-RICS. Potential new requirements for Covina are being vetted to ensure seamless operation on LA-RICS LMR System. System interference on Ch. 16 is still being investigated by the Sheriff's Department and ISD along with the technical liaisons from LA-RICS. The coordination between LASD and LA-RICS is critical to ensure that frequencies are available for testing and operating the Analog Conventional System (ACVRS) particularly.
- Regarding schedule, MSI identified in Monthly Report No. 85 that the cut-over durations have been an area of focus in the schedule. The Authority and MSI have worked to come to an agreement on the cutover duration in the new master schedule, and the December 1, 2020 IMS is the new approved schedule by the Authority.
- The major success this month is the approval of the three Catalina Island sites (DPK, TWR, BJM) by the Department of Regional Planning. These, in addition to the UNIV will enter Phase 2 construction in January of 2021, leaving only four sites to complete Phase 1 work. The LMR Site Map shows the current status of sites as of December 2020 with the four sites listed above still in blue as they have not actually broken ground yet.

LMR SITE MAP



AGENDA ITEM C



Monthly Report #88

Reporting Period: 11/19/2020 thru 12/22/2020

**Los Angeles Regional Interoperable Communications
System (LA-RICS) - Land Mobile Radio System**

Motorola Solutions, Inc.



MOTOROLA SOLUTIONS

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1. Executive Summary

The Los Angeles Regional Interoperable Communications System Land Mobile Radio (LA-RICS LMR) program consists of the following five (5) phases; Phase 1 LMR System Design, Phase 2 LMR Site Construction and Site Modifications, Phase 3 Supply LMR System Components, Phase 4 LMR System Implementation, and Phase 5 LMR System Maintenance. Phases 1-4 span over a five (5) year period which includes one (1) year of system warranty. Phase 5 provides the Authority with fifteen (15) one year options for Motorola Solutions Inc. (MSI) to provide system monitoring and maintenance services.

The LA-RICS LMR program is currently in Phase 1 LMR System Design, Phase 2 Site Construction and Site Modifications, and Phase 3 Supply LMR System Components. Notices-To-Proceed numbers 1 through 16 have been issued authorizing distinct work for system Design services, the design and implementation of the initial deployment of the LMR system elements termed “Early Equipment”, “Specified Equipment and System on Wheels”, and “Station B Equipment”, “Frequency Licensing”, “UPS System”, and “Portable Radios, Consolettes and Consoles”, “Portable Radio Equipment”, alternate sites “Project Descriptions”, “Frequency Licensing for the Base System”, “Bridge Warrant for Early”, “Retuning of SOW & Station B UHF Frequencies”, “Project descriptions for Nine Potential Replacement Sites” and “LMR System Redesign and Relocation of Core 2”.

On April 25 the Authority executed **Amendment 17** to make necessary changes to Phase 1 for additional project descriptions, to make changes to reflect the Work in the applicable Phases for the change in the number of sites in the LMR system, to exercise the Unilateral Options for all Work pertaining to Phases 2-4.

On April 27, 2016 the Authority issued **NTP17** authorizing specific Work related Phases 2, 3, and 4 for ten (10) LMR sites.

On May 4, 2016 the Authority executed **Amendment 18** to make necessary changes to Phase 1 for additional project descriptions and to make adjustments to Phase 1 services to accommodate additional sites.

On May 5, 2016 the Authority Board of Directors approved **Amendment 19** to remove one (1) site from the system and to reconcile equipment quantities for certain LMR sites. **Amendment 19** was executed with an effective date of May 5, 2016.

On June 2, 2016 the Authority issued **NTP18** authorizing Work to develop Project Descriptions for two LMR sites.

On September 8, 2016 the Authority Board of Directors approved **Amendment 20** to reconcile nine (9) LMR Sites to reflect the updated LMR System Design, inclusion of 3D modeling drawings, and remove certain Site Lease Exhibits from the contract.

On October 6, 2016 the Authority Board of Directors approved **Amendment 21** to reconcile ten (10) LMR sites to reflect the updated LMR System Design, replace one (1) LMR site with a new site, remove five (5) Project Descriptions from the contract, and make administrative cost changes to one (1) LMR site.

On October 11, 2016 the Authority issued **NTP 19** authorizing specified Work related to Phases 2-4 for nine (9) LMR sites.

On November 3, 2016 the Authority Board of Directors approved **Amendment 22** to reconcile three (3) LMR sites to reflect the updated LMR System Design and to make administrative changes to Exhibit F (Administration of Agreement). On December 12, 2016 the Authority issued **NTP 20** authorizing specified Work related to Phases 2-4 for two (2) replacement LMR sites along with Special Operations Testing for DTVRS, ACVRS, LARTCS, and NMDN.

On December 12, 2016 the Authority Board of Directors approved **Amendment 23** to authorize specified Work related to Phases 2-4 for ten (10) LMR sites.

On December 2, 2016 the Authority issued **NTP 20** authorizing Phase 2-4 work at two (2) sites; and specified pre-installation acceptance testing for DTVRS, ACVRS, LARTCS, NMDN, and final core staging and SOT Prep.

On December 19, 2016 the Authority issued **NTP 21** authorizing specified Work related to Phases 2-4 for Six (6) LMR sites; all remaining work in Phase 2-4 at one (1) site; and all work related to ACVRS equipment in Phase 3 for six (6) sites.

On January 12, 2017 the Authority Board of Directors approved **Amendment 24** reconciling the following five (5) LMR System Sites (CLM, LACFDEL, LARICSHQ, WMP, and WTR) to align with the updated System Design.

On March 2, 2017 the Authority Board of Directors approved **Amendment 25** reconciling the following six (6) LMR System Sites (AGH, VPK, BMT, CRN, MVS, and ONK) to align with the updated System Design. This Amendment also acknowledges three (3) sites (BHS, DPW38, and RPV1) into the scope of Phases 2, 3, and 4 to align with the updated LMR System Design.

On March 31, 2017 the Authority issued a Supplemental **NTP 21** authorizing specified Work related to Phases 2-4 for Seven (7) LMR sites (AGH, CRN, MVS, ONK, TPK, VPK, and LDWP243).

On April 6, 2017 the Authority Board of Directors approved **Amendment 26** reconciling the following seven (7) LMR System Sites (BUR1, JPK2, LPC, MDI, MML, MTL2, and PRG) to align with the updated System Design. This Amendment also acknowledges one (1) site (LAN) into the scope of Phases 2, 3, and 4 to align with the updated LMR System Design.

On June 1, 2017 the Authority Board of Directors approved **Amendment 27** reconciling the following two (2) LMR System Sites (FRP and PLM) to align with the updated System Design. This Amendment also includes two (2) sites (BKK and UCLA) into the scope of Phases 2, 3, and 4 to align with the updated LMR System Design.

On June 29, 2017 the Authority issued **NTP 22** authorizing specified Work related to work for Task A.1.9.1 (Mitigation Monitoring and Reporting Plan (MMRP)).

On August 3, 2017 the Authority Board of Directors approved **Amendment 28** reconciling one (1) LMR

System Site (BMT) to align with the updated System Design.

On September 7, 2017 the Authority Board of Directors approved **Amendment 29** reconciling one (1) LMR System Site (POM) to align with the updated System Design and to make changes necessary to reflect LMR Change Order Modifications.

On September 14, 2017 the Authority issued **NTP 23** authorizing specified Work related to Phases 2-4 for Five (5) LMR sites.

On September 25, 2017 the Authority issued **NTP 24** authorizing specified Work related to Phases 2-4 for Five (5) LMR sites.

On November 9, 2017 the Authority Board of Directors approved **Amendment 30** reconciling seven (7) LMR System Sites (BUR1/DPW38/FRP/JPK1/MIR/MML/RHT) to reflect the updated LMR System Design for these sites. This Amendment also includes one (1) LMR System Site (UNIV) into the scope of Phases 2, 3, and 4 to align WITH THE UPDATED LMR SYSTEM Design.

On December 20, 2017 the Authority issued **NTP 25** authorizing specified Work related to Phases 2-4 for Eighteen (18) LMR sites – with the exception of ACRVS and NMDN equipment order. This NTP also authorized Motorola to proceed with Work for Task 6 Multiprotocol Label Switching (MPLS) Mobile Backhaul.

On February 28, 2018 the Oversight Committee approved **Amendment 31** approving Change Order Modifications in the amount of \$19,573.00.

On March 6, 2018 the Authority Board of Directors approved **Amendment 32** reconciling three (3) LMR System Sites to align with the updated LMR System Design for a cost decrease in the amount of \$4,131,931; (b) a cost neutral administrative reconciliation in connection with the Narrowband Mobile Data Network (NMDN) Subsystem to align all corresponding per site NMDN costs to a single line item cost, impacting thirty-three (33) LMR System Sites; (c) decrease the Maximum Contract Sum by \$4,131,931 from \$300,051,310 to \$295,919,379 when taking the cost decrease into consideration; and (d) make other certain changes as set forth in this Amendment No. 32.

On May 30, 2018 the Authority Board of Directors approved **Amendment 33** to make changes necessary to reflect (a) certain LMR Change Order Modifications for a cost increase in the amount of \$17,490.

On June 15, 2018 the Authority issued **NTP 26** authorizing all Work related to Phases 3 for Twelve (12) LMR sites – with the exception of the Phase 3 ACRVS equipment which was previously captured in NTP25. This NTP also authorized Motorola to proceed with Work for Task 6 Multiprotocol Label Switching (MPLS) Mobile Backhaul.

On July 31, 2018 the Authority Board of Directors approved **Amendment 34** to make changes necessary to reflect (a) the inclusion of one (1) LMR System Site into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercise the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$1,016,780; (b) certain LMR Change Order Modifications for a cost increase in the amount of \$90,744; (c) the removal of certain Authority equipment, in particular an Uninterruptible Power Supply

(UPS), from the Los Angeles Police Department's Valley Dispatch Center (LAPDVDC) for a cost increase in the amount of \$6,010; (d) an extension of a bridge warranty for the certain Early Deployment/Specified Equipment purchased and deployed under previously approved Amendments to bridge the warranty gap for this equipment until December 31, 2019, for a cost increase in the amount of \$430,800; (e) increase the Maximum Contract Sum by \$1,544,334 from \$295,936,869 to \$297,481,203 when taking the cost increase into consideration; and (f) make other certain changes as set forth in this Amendment No. 34.

On August 28, 2018 the Authority issued **NTP 27** authorizing Work related to Phases 2-4 for the LMR INDWT LMR site, extension of the bridge warranty for certain deployed/specified equipment under previously approved Amendments until December 31, 2019.

On October 11, 2018 the Authority Board of Directors approved **Amendment 35** to make changes necessary to reflect (a) the reconciliation of one (1) LMR System Site Olinda (OLI) from the scope of Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), respectively, and all associated Work of the same for a cost decrease in the amount of \$701,234; (b) the inclusion of one (1) LMR System Site Winding Way (WWY) into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercise the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of 1,064,388; (c) certain LMR Change Order Modifications for a cost increase in the amount of \$13,115 (d) make changes necessary to reflect an administrative reconciliation, a reconciliation related to the removal of certain Authority equipment, in particular an Uninterruptible Power Supply (UPS), from the Los Angeles Police Department's Valley Dispatch Center (LAPDVDC) for a cost increase in the amount of \$601; (e) increase the Maximum Contract Sum by \$376,870 from \$297,481,203 to \$297,858,073 when taking the cost decrease and increase into consideration; and (f) make other certain changes set forth in this Amendment No. 35.

On November 1, 2018 the Authority Board of Directors approved **Amendment 36** to make changes necessary to reflect (a) the reconciliation of five (5) LMR System Sites to align with the updated LMR System Design; (b) the inclusion of one (1) LMR System Site San Pedro Hill (SPH) into the scope of Phase 2 (Site Construction and Site Modification), Phase 3(Supply LMR Components), Phase 4 (LMR System Implementation), exercising the Unilateral Options of the same, to align with the updated LMR System Design; (c) incorporate an LMR Change Order Modification; (d) increase the Maximum Contract Sum by \$311,442 from \$297,858,073 to \$298,169,515 when taking the cost decreases and increases into consideration; and (e) make other certain changes as set forth in this Amendment No. 36.

On December 20, 2018 the Authority issued **NTP 28** authorizing Work related to Phases 2-4 for seventeen (17) sites – BJM, DPK, GMT, GRM, LPC, MDI, MTL2, PRG, PMT, RIH, RPV1, SPH, SPN, TWR, WMP, WTR, and WWY. This amendment reiterated the directive to suspend the purchase of UHF DTVRS equipment and corresponding work tied to the UHF DTVRS equipment.

On February 26, 2019 the Authority Board of Directors approved **Amendment 37** to make changes necessary to reflect (a) incorporate certain LMR Change Order Modifications for a cost increase in the amount of \$56,337; (b) increase the Maximum Contract Sum by \$56,337 from \$298,169,515 to \$298,255,852 when taking the cost increases into consideration; and (c) make other certain changes as

set forth in this Amendment No. 37.

On June 11, 2019 LARICS executed **Amendment 38** to make changes necessary to reflect (a) incorporate certain LMR Change Order Modifications resulting in a net cost decrease in the amount of \$47,393; (b) decrease the Maximum Contract Sum by \$47,393 from \$298,225,852 to \$298,178,459 when taking the cost increases and decreases into consideration; and (c) make other certain changes as set forth in this Amendment No. 38.

On 1 August 2019, the Authority Board of Directors approved **Amendments 39 and 40**. **Amendment 39** makes changes necessary to (a) reflect a reconciliation related to the Narrowband Mobile Data Network (NMDN) Subsystem resulting in a cost decrease in the amount of \$720,207, (b) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 39 that results in a cost increase in the amount of \$73,606, (c) decrease the Maximum Contract Sum by \$646,601 from \$298,178,459 to \$297,531,858 when taking the cost increase and decrease into consideration, and (d) make other certain changes as set forth in this **Amendment No. 39**. **Amendment 40** makes changes to (a) remove Lower Encinal Pump Station (LEPS) and Winding Way (WWY) Phase 2 through Phase 4 scope, (b) incorporate certain LMR Change Order Modifications for a cost decrease in the amount of \$10,920, (c) decrease the Maximum Contract Sum by \$1,261,169 from \$297,531,858 to \$296,270,689 when taking the cost increase and decrease into consideration, (d) incorporation of Channel 15 and Channel 16 Interference Mitigation into LMR System Specifications, and (e) make other certain changes as set forth in this **Amendment No. 40**.

On 3 October 2019, the Authority Board of Directors approved **Amendment 41**. **Amendment 41** makes changes necessary to (a) incorporate Land Mobile Radio (LMR) Change Order Modifications for a cost increase in the amount of \$255,975 as further described in this **Amendment 41**, and (b) increase Maximum Contract Sum in the amount \$255,975 from \$296,270,689 to \$296,526,664 when taking the cost increase into consideration.

On 15 January 2020, the Authority Board of Directors approved **Amendment 42**. **Amendment 42** makes changes necessary to (a) revise Exhibit B.1, Section 4.1 (Acceptance Testing), (b) revise Exhibit C.1 (LMR System Payment Summary) to reflect the payment revisions contemplated in this **Amendment 42**, (c) revise Exhibit C.4 (Phase 3 – Supply LMR System Components) to reflect the reduction in certain Pre-Installation Acceptance Test costs, (d) revise Exhibit C.5 (Phase 4 – LMR System Implementation) to reflect reduction in costs in connection with the modified ATP, (e) revise Exhibit C.16 (LMR Mitigation Monitoring and Reporting Plan [MMRP]) to reflect collective amounts for LMR Monitoring, Surveys, and Reporting Tasks and LMR Contingency Tasks, (f) revise Exhibit C (Schedule of Payments) to include Exhibit C.20 (LMR Bridge Warranty), and (g) revise Exhibit D (LMR System Maintenance and Warranty), Section 9, replacing it with Bridge Warranty for Specified Equipment included in this **Amendment 42**, (h) revise Exhibit D.2.1 (Motorola Customer Support Plan) to reflect updated information which is incorporated in this **Amendment 42**, and (i) revise Base Document, Section 8.1 (Maximum Contract Sum and Contract Sum – General) by a decrease in Maximum Contract Sum in the amount \$6,445,029 from \$296,526,664 to \$290,081,636 when taking the cost decrease into consideration.

On 5 March 2020, the Authority Board of Directors approved **Amendment 43**. **Amendment 43** makes changes necessary to (a) reflect a reconciliation of certain equipment reductions which results in a cost

decrease in the amount of \$50,313 (b) incorporate certain LMR Change Order Modifications for three microwave links that results in a cost increase in the amount of \$185,344; (c) increase the Maximum Contract Sum by \$135,031 from \$290,081,635 to \$290,216,666 when taking aforementioned actions and costs into consideration; and (d) make other certain changes as set forth in this **Amendment No. 43**.

On 26 March 2020, the Authority Board of Directors approved **Amendment 44**. **Amendment 44** revises the Agreement to reflect a reconciliation of certain LMR Change Order Modifications for a cost increase in the amount of \$2,609, increasing the Maximum Contract Sum from \$290,216,666 to \$290,219,275.

On April 23, 2020, the Authority Board of Directors approved **Amendment Number 45**. **Amendment 45** (a) incorporate certain LMR Change Order Modifications as further described in this **Amendment No. 45** which results in a cost increase in the amount of \$39,050 (b) increase the Maximum Contract Sum by \$39,050 from \$290,219,275 to \$290,258,325 when taking aforementioned actions and costs into consideration; and (c) make other certain changes as set forth in **Amendment No. 45**.

On April 27, 2020, the Authority Board of Directors approved **Amendment Number 46**. **Amendment 46** revises the Agreement to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in this **Amendment No. 46** which results in a cost increase in the amount of \$375,728, (b) increase the Maximum Contract Sum by \$375,728 from \$290,258,325 to \$290,634,053 when taking aforementioned actions and costs into consideration; and (c) make other certain changes as set forth in this **Amendment No. 46**.

On June 15, 2020, the Authority Board of Directors approved **Amendment Number 47**. **Amendment 47** revises the Agreement to make changes necessary to (a) reconcile eight (8) LMR System Sites in Phase 4 to reduce certain LMR System Equipment as further described in this **Amendment No. 47** which results in a cost decrease in the amount of \$3,130,664, and (b) incorporate certain LMR Change Order Modifications as further described in this **Amendment No. 47** which results in a cost increase in the amount of \$634,535 resulting in a decrease in the Maximum Contract Sum \$290,634,053 to \$288,137,924 when taking aforementioned actions and costs into consideration; and (c) make other certain changes as set forth in this **Amendment No. 47**.

On July 22, 2020, the Authority Board of Directors approved **Amendment Number 48**. **Amendment 48** revises the Agreement to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in this **Amendment No. 48** which results in a cost increase in the amount of \$10,159; (b) increase the Maximum Contract Sum by \$10,159 from \$288,137,924 to \$288,148,083; and (c) make other certain changes as set forth in this **Amendment No. 48**.

On October 2, 2020, the Authority Board of Directors approved **Amendment 49**. **Amendment 49** revises the Agreement to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in **Amendment No. 49**, which results in a cost increase in the amount of \$370,007; (b) increase the Maximum Contract Sum by \$370,007 from \$288,148,083 to \$288,518,090; and (c) make other certain changes as set forth in **Amendment No. 49**.

On November 18, 2020, the Authority Board of Directors approved **Amendment 50**. **Amendment 50** revised the Agreement to make changes necessary to (a) reflect a reconciliation to replace one (1) LMR System Site Sunset Ridge (SUN) with the East Sunset Ridge (ESR) site into the scope of Phase 2 (Site

Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), all associated Work, and exercising the Unilateral Options of the same, for a net cost increase in the amount of \$1,293,256; (b) extend the Bridge Warranty for certain Early Deployment/Specified Equipment purchased and deployed under previously approved Amendments to bridge the warranty gap for this equipment until December 31, 2021, for a cost increase in the amount of \$393,906; (c) remove all work related to the reprogramming of Motorola's Motobridge equipment within Station B for a cost decrease in the amount of \$9,912; (d) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 50, which results in a cost increase in the amount of \$375,108; (e) increase the Maximum Contract Sum by \$2,052,358 from \$288,518,090 to \$290,570,448; and (f) make other certain changes as set forth in this **Amendment No. 50**.

This report covers the period from 11/19/2020 thru 12/22/2020

During this reporting period Phase 1 design tasks continue with 6 site design packages in jurisdictional review for permit approvals, and 3 site design packages (SPH, SPN, RELAY) are yet to be submitted for plans review. Site SPN 100% Progress Level Drawings have been submitted to LA-RICS, but authorization to submit to plans review has yet to be received. In early December LA-RICS has informed Motorola that they are investigating changing the SPN site design approach. The design package for site RELAY has been approved by LA County Department of Public Works, having been developed in advance of a new zoning application approval that has yet to be submitted by LA-RICS for Coastal Development Plan approvals. Five sites have been approved for permit by LA County DPW pending receipt from LA-RICS of site owner approvals or zoning approvals: BJM, ESR, UNIV-CTYWLK, LACF072, UNIV. LA-RICS has requested a power upgrade for the BKK site which is contingent on LA-RICS approving a change order request for the additional scope currently in negotiations.

Coastal Development Plans approvals for the three Santa Catalina Island sites (BJM, DPK, TWR) were received on 12/17/2020. Following a Coastal Hearing in September for sites LACF072 and SPN, appeals were filed by members of the community. These appeals triggered another hearing that is anticipated to take place in six months, delaying the zoning approvals for these two sites as well as their respective LA County DPW permit releases. DPW permits cannot be obtained for site construction without these zoning approvals. LA-RICS has instructed Motorola to limit its plan for three sites (LACF072, SPN and RELAY) to Phase 2 and 4a (construction and equipment installation). LA-RICS issued RFQ LMR-060 to Motorola to evaluate options for completing these three sites at a later date. MSI has provided a quote to respond to the RFQ and is awaiting further direction.

Motorola had requested permission to mobilize to begin construction at site UNIV in November but was denied. The site owner has since requested changes to the approved and permitted design which include changes to power metering, antenna line routing and microwave dish location and installation. LA-RICS is confirming these new details with the site owner representative before additional design changes can be implemented.

Motorola and its partners continue design, engineering and construction work despite the COVID-19 pandemic. Construction work continues at sites including CPK and RIH as well as at 9 USFS. All work has been halted at site FRP for the duration of the ski season due to access restrictions. Phase 4a installation work (FNE and antenna/lines) by Motorola continues on sites including GMT, RIH, WMP, and

WTR.

MSI has issued LA-RICS several notices of constructive delays associated with the impacts to the project's overall critical path schedule based on: remaining lease agreements, zoning approvals, power provision to sites, and agency cutovers that are now required ahead of System Acceptance.

LMR System Design

System design activities for this period include Los Angeles Regional Tactical Communications System (LARTCS) design, narrowband mobile data network (NMDN) design, system management and monitoring system (SMMS) design, fleet mapping, site optimization, and incorporation of early user cutovers into the LMR System engineering design activities.

MSI completed and passed the UHF/700 MHz coverage acceptance test plan (CATP) for the I-5 North cell. This was the first of many major milestones related to system coverage testing plan for the program. On 12/21/2020, LA-RICS approved CATP Report and Deliverables for DTVRS I5 North 700 and UHF cell.

LA-RICS is supporting the agencies as needed for LASD narrow banding and LA County Fire Channel 14 voice cutover to Channel 16. The next round of spectrum fingerprinting and noise floor measurements (SF-NFM) at 23 sites continues with measurements undertaken and reports received for 13 of 23 sites.

MSI has implemented RF and microwave dish color requirements arising out of the USFS Decision Memo and individual site SUPs to address aesthetic (visual impact) measures. A change order has been approved by the LA-RICS Change Control Board for similar site civil colors and finishes for Site PRG (e.g. shelter, towers, generators, fuel tank, and fencing). As planned for months, Lump Sum change orders for these requirements at the remaining USFS are being presented to LARICS for review and approval. The Parties are at an impasse on how to reimburse the field portion of this additional work (e.g. time and materials or lump sum basis), so MSI has submitted a change order for manufacturer-supplied tower and shelter coatings and finishes while the field work reimbursement is being resolved. MSI has continued to perform this field coating and finishing work at the USFS sites in good faith. As of this report, the consolidated change order for the manufacturer-supplied tower and shelter coatings and finishes has been resubmitted. Motorola has made concessions based on LA-RICS feedback on the shelter coating, but LA-RICS proposed reduction of allowable markups is unacceptable to Motorola. The individual field change orders for coatings of civil components (shelter, CMU walls, generators, fuel tanks, fences, etc.) remain open, with LA-RICS recently directing Motorola to cease work on the USFS-required coatings on CMU walls.

System Management and Monitoring System – The SMMS System Description has been reviewed and approved by LA-RICS. SMMS team members continue to work with LASD site representatives to determine which existing systems (e.g. generators, fire suppression, etc.), shared with LA-RICS, are to be monitored by SMMS. The current team efforts are focused on installations at individual sites. MSI currently plans to install Genwatch equipment at two of four sites before year's end.

Fleet Mapping – MSI continues to assist LA-RICS and agencies in fleet mapping development for LA-RICS. Motorola has reviewed the LA County Sheriff Department codeplug on behalf of LA-RICS. The LA County Fire Department codeplug was received in early December and provided to Motorola for review.

Juniper upgrade router and switch replacement has temporarily halted to focus on other Phase 4A installation priorities and will resume in the first quarter of 2021. Core and Prime sites Juniper/Aruba enablement completed with NICE loggers active on the upgraded routers and switches.

UHF Channel 15/16 Interference - According to LA County legal representation, the FCC has granted 90-day STAs for all sites starting 11/1/2020 for cell optimization and testing. It is unclear whether these will be renewed beyond these 90 days. T-band repeal legislation will need to be enacted to allow permanent licenses and cutovers.

LA-RICS Deliverables - Authority Site Access Agreements, Provision of Site Power

The Authority's efforts to develop and execute Site Access Agreements (SAA) for the remaining sites in the LMR design are ongoing. This activity is primarily being driven by the Authority's Site Access Team in conjunction with LA County CEO Real Estate Division.

Two Coastal Development Packages are still outstanding, with applications all submitted and under review by LA County Department of Regional Planning. Appeals from members of the community were filed for sites LACF072 and SPN, resulting in additional public hearing to be scheduled in 2021. The separate zoning approval package for the RELAY (RF equipment at TOP) installations is under review by LA-RICS which is reconsidering power alternatives for the site that may impact the overall site layout. The zoning approvals for the three Catalina Island sites were received on 12/17/2020.

Provision of site power or site power related easements continue to delay completion of both Phase 2 construction and start of Phase 4 site optimization at multiple sites.

Site Design Activities

Fifty-seven building permit applications have been made to date. Ten site design packages are currently in plans review, including BKK power upgrade requested by LA-RICS and PMT site's solar power implementation. LACF072 construction plans have been approved by LA County DPW pending LA County Coastal zoning approval. LACF072 zoning approval has been delayed four to six months pending resolution of a community appeal of the site plans. LA-RICS approved 100% Progress CDs for Site RELAY, but submission to plan check will wait until LA-RICS receives zoning approvals for this site. Site SPN 100% Progress Level drawings are still under review by LA-RICS, but this site is also impacted by a community appeal on the zoning application. The separate PMT solar design package is still in DPW plan check review. Site RELAY, incorporating the TOP RF equipment installations, requires a separate DRP zoning application and construction drawing package, both of which are still under development.

MSI and LA-RICS continue to negotiate change orders associated with the BUR1 and MIR sites. MSI has

proactively and in good faith moved forward with the USFS color requirements, as well as BUR1 and MIR changes, with construction in process at MIR and the USFS sites expecting to be reimbursed in an equitable and timely manner.

Pre-Construction Activities

Pre-construction package comments and revisions are being implemented for the three Catalina sites: BJM, DPK, and TWR. With the approval of Site CTYWLK design package by LA County DPW, a construction mobilization is planned once LA-RICS obtains the site owner clearance to proceed.

Construction Activities

During this reporting period, Phase 2 construction tasks continue. 32 of 60 (includes 2 UNIV locations, RELAY) sites are substantially complete less site power, with construction activities ongoing at 13 sites (FRP work suspended due to ski operations). To date, 29 of 44 new towers have been erected, including the recent monopole erection at Site TOP. 38 of 57 shelters or equipment rooms are complete, including the recent TOP outdoor cabinet installation. MSI has been working with LA-RICS since October of 2019 to obtain Phase 2 construction completion acceptance, as Phase 2 civil site work is completed. The close out package for Sites LAN and CLM were approved by LA-RICS during this reporting period.

LA-RICS also continues to address easements needed by the electrical utility to bring commercial power to numerous sites. The lack of these utility easements is delaying completion of Phase 2 construction completion at several sites including INDWT.

In mid-December Motorola transitioned MMRP environmental monitoring activities to the LA-RICS team following the exhaustion of the authorized budget for the work activities.

Equipment Supply

The majority of the UASI 2018, LARTCS, and NMDN equipment orders have been staged, shipped and received at Motorola's Los Angeles warehouse.

Motorola and LA-RICS reviewed the UASI 2018 grant spend activities by site during the last period, with Motorola identifying specific sites' Phase 2 construction and Phase 4 site optimizations not being completed or at risk of completion by March 1, 2021.

System Implementation



MSI contractors continue to install RF and microwave antennas and lines at sites, install and configure low-voltage site alarms, and configure RF equipment. Initial Phase 4a internal site audits and checks were completed. MSI System Technologists (ST's) are performing site pre-optimizations following the

completion of Phase 4a work. MSI has brought ST's on to the project to begin pre-optimization work ahead of our normal sequence of work to compensate for the delays in schedule resulting from zoning, site power and cutovers.

Upgrades from GGM to Juniper routers will recommence and complete by the end of 1Q2021.

As of this report, there are twenty-one (21) of 70 active microwave backhaul links. The current focus is microwave site equipment and dish installations and connections at the site level with 27 of 59 (excludes RELAY) sites with DC power activated.

The following table provides a dashboard snapshot of the projects' health signs.

Category	Rating	Change	Comments
Schedule			The August 2019 baseline schedule shows LMR System Acceptance on 3/28/2022. MSI's current forecast for LMR System Acceptance is in late Q3 2022 timeframe driven by: LA-RICS change in narrow banding logic, interference mitigation, remaining leases, Coastal CDP approvals, site power delays and agency cutovers. The largest impact to the critical path since the November Report was CDP Zoning approval for LACF072, SPN and RELAY.
Risk			Risk items have been identified regarding: zoning approval process, Site Access Agreements, plan check approval process, spectrum, narrow banding, Channels 15 and 16 interference, site power, and site conditions. FEMA independent site environmental approvals required.

2. Project Status

2.1. Tasks in Progress or Completed

See IMS Look Ahead File, data date 12/01/2020

2.2. Tasks Planned for Next Period

See IMS Look Ahead File, data date 12/01/2020

3. Project Risk Register

Title	Assigned	Impact	Risk Description	Status
Site Parameters	Authority	High	Site parameters (e.g. tower heights, RF equipment configurations) are different from the baseline agreement and may impact System performance.	Active

Environmental Process	Authority	High	The individual determination of environmental impacts or mitigation may impact the schedule for site work (e.g., bird nesting season). Individual environmental releases from FEMA are required to start work at sites.	Active
Delayed Drawings and Permit Release	Motorola & Authority	High	Site changes and System redesign elements are impacting drawing progress for certain sites, including the coordination of 3 rd party components (antennas, dishes).	Active
Site Access Agreements	Authority	Med	Lease holders approvals are needed in order to implement LA-RICS improvements. Utility easements are required to provide power to sites.	Active
Project Schedule	Authority & Motorola	High	Critical path elements include receipt of SAAs, Coastal sites zoning application approvals, provision of utility power at sites, and completion of replacement site designs and permitting. Timely execution of interference mitigation, narrow banding, agency cutovers, as well as functional and coverage testing to achieve System Acceptance in 4Q2022.	Active

4. Areas of Concern

This section describes any events and or circumstances of which the Contractor is aware that has delayed or may delay project activities and what corrective or remedial actions was taken or will be taken to resolve the issue. Outstanding Issues Log (the “OIL Log”) entries are also tabulated and monitored in this section. “OIL Log” items include, for example, sequencing, infrastructure, site access, coordination issues, congestion of workers and equipment, time requirements for design, procurement, and installation.

ID	Event / Circumstance	Remedial Action Taken or Required
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02-02	System Design impacts due to changes in site conditions	Motorola and the Authority have analyzed probable site changes and suitable site replacement candidates. Adjusted tower heights and undetermined site parameters at several of the sites will impact the coverage. System design efforts will determine system impacts. Impact includes, microwave backhaul, equipment reconfigurations, channel plan changes, system coverage, licensing, and site design and permitting.
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5. Disputes and Claims

This section describes any disputes, potential claims, and claims made during the reporting period.

Dispute / Claim / Potential Claim	Status / Actions	Resolution Date
None at this time		

6. Financial Status

The following represents the invoice payments that were completed during the reporting period and the remaining amount to be invoiced and paid.

Invoice Payment Category	Invoice Payment Totals (\$)
Contract Sum Full Payable Amount (Phases 1-4)	160,027,404
Cumulative Invoice Payments from Last Report	103,032,602
Total Invoice Payments This Period	3,638,073
Remaining Amount to be Paid	\$52,356,729

7. LA-RICS Master Schedule

On June 18, 2020, Motorola issued LA-RICS a supplemental notice of constructive change under the Contract based on the failure of the Authority to deliver the required approvals for zoning and/or SAA from Coastal and Forestry agencies, the failure to provide a commitment regarding providing site power, and the failure to provide commitments regarding system cutover. MSI estimates the approved Contract schedule final system acceptance date will now be delayed until at least August 2022, as proposed in the IMS submitted December 10, 2020. The most recent proposed master schedule update has a data date of 12/01/2020. See attached LMR Executive Project Summary Snapshots. The proposed schedule has yet to be formally agreed to through the contractual WAC process.



**LOS ANGELES REGIONAL INTEROPERABLE
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<http://www.la-rics.org>

SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

A handwritten signature in blue ink, appearing to read 'Scott Edson', is placed to the right of the 'From:' line.

PSBN ROUND 2 IMPLEMENTATION AND CONSTRUCTION UPDATE

The purpose of this discussion item is to provide an update on the Public Safety Broadband Network (PSBN) Round 2 deployment.

CO:TP:pdd

Attachment

LA-RICS PSBN SITE DEPLOYMENT

Week of 12/14/2020

Site ID	Type	GC	Power	City Planning	MISC Permit HDP /CP	Building Permit Rec'd	SAA Exec	Site Construction Start	Tower Delivered	Tower Construction Complete	Lines & Antennas Complete	Equipment Installation Complete	Site Construction Finish	Close Out	Comments
MML2	Colo	MSI	Complete	NA	NA	5/21/2020	Complete	7/31/2020	NA	11/20/2020	11/27/2020	11/30/2020	11/30/2020	12/21/2020	MSI Substantially Punch Walk conducted 12/9, Ground Ring not complete as it is tied to LMR and minor punch items to be completed.
MNTBLPD	Pole	Diversified	Complete	NA	NA	9/11/2020	Complete	9/28/2020	8/21/2020	10/16/2020	11/27/2020	11/30/2020	11/30/2020	12/21/2020	Substantially Complete. Tower Decom Scope and MW move to be confirmed by 12/18/2020.
POLA1	Best	Jitney	Complete	7/30/2020	CP = Approved HEP = Approved	7/31/2020	Complete	8/10/2020	8/29/2020	8/29/2020	12/28/2020	10/6/2020	12/30/2020	1/20/2021	LADWP, Power install May 2021.
POLA2	Best	Jitney	Fenix	7/30/2020	CP = Approved HEP = Approved	7/31/2020	Complete	8/10/2020	8/29/2020	8/29/2020	10/6/2020	10/6/2020	1/15/2020	2/5/2020	Awaiting Fenix Terminal approval to complete power trenching work. Tentative 1/8/2020, trying to pull in if available.
POLB1	Pole	Motive	Submeter - Design	8/20/2020	Complete	9/18/2020	Pending - See Comments	1/12/2020	NA	2/14/2020	2/21/2020	2/28/2020	3/6/2020	3/27/2020	LA-RICS assisting with outreach regarding \$10k monthly rent figure. CX awaiting AT&T Lease negotiation and approval to move forward.
POM2	Roof	Motive	Complete	NA	NA	12/29/2020	Pending - See Comments	12/30/2020	NA	NA	2/10/2021	2/17/2021	2/24/2021	3/17/2021	PreCon Scheduled 12/16. JCC indicated they require two weeks prior CX Start notification. Information was provided 12/10/2020.

Legend	
	Completed
	Forecasted - Scheduled
	Delayed Timeline

Tower Type	Qty
Colo	1
Pine	4
Roof	1



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SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

**FREQUENCY AND LICENSING ISSUES IMPACTING LAND MOBILE
RADIO DEPLOYMENT**

The purpose of this discussion item is to update your Board on the frequency interference as well as frequency licensing issues impacting the Land Mobile Radio System deployment.

CO:TP:pdd

AGENDA ITEM G



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SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

UPDATE ON COASTAL DEVELOPMENT PERMIT PROCESS FOR FIVE LAND MOBILE RADIO SYSTEM SITES

The purpose of this discussion item is to provide an update on the five (5) Land Mobile Radio (LMR) sites in process for securing Coastal Development Permits (CDP).

The two (2) sites subject to the Santa Monica Mountains Local Implementation Plan (LIP), LA County Fire Department 72 (LACoFD072) and Saddle Peak (SPN), were approved by the Regional Planning Commission (RPC) at its meeting of September 16, 2020. Non-applicant appeals were received by the Board of Supervisor's (BOS) Executive Office on the appeal period end date of September 29, 2020.

The Board of Supervisors upheld RPC's approval of sites LACoFD072 and SPN at its public hearing on November 24, 2020. Upon final approval from the BOS, which is expected in January 2021 and clearance from the California Coastal Commission, the Coastal Development Permits will be processed.

The three (3) sites subject to the Santa Catalina Island LIP, Black Jack Mountain (BJM), Dakin Peak (DPK) and Tower Peak (TWR) were approved by the RPC at its meeting of September 23, 2020. Coastal Development Permits for all three sites were received on December 17, 2020.

TR:pdd



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SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

OUTREACH UPDATE

The purpose of this discussion item is to update your Board on the status of outreach activities pertaining to the LA-RICS Public Safety Broadband Network (PSBN) and Land Mobile Radio (LMR) project. The below meetings occurred since our last report to you:

Municipality	Meeting Date
<i>Meetings with representatives from AT&T</i>	November 4, 11, 25 and December 2, 2020
<i>Meeting with Sonim Technology</i>	November 5, 2020
<i>IACP Communication & Technology Committee Meetings</i>	November 18 and December 16, 2020
<i>IPSA Board Meeting</i>	December 14, 2020
<i>NSA Government Affairs Committee Monthly Meeting</i>	December 17, 2020

Various meetings continued in the months of November and December with AT&T to discuss ongoing Technical and Program Management concerns, Transfer Transition logistics, Checkpoint Calls, Round 2 Specifications and Site Leases, Assignment and Assumption Agreements and Amendments, Network Coverage Review and quarterly progress review.

Executive Director Edson met with Sonim Technology representatives to discuss the Sonim Desktop Mode for mobile products.

Executive Director Edson attended virtually the International Association of Chiefs of Police (IACP) Communication and Technology Committee Meetings, the International

AGENDA ITEM I

Public Safety Association (IPSA) Board Meeting and the National Sheriff's Association (NSA) Government Affairs Monthly Meeting.

Lastly, Volume 5, Issue No. 19 of the LA-RICS newsletter was released on December 21, 2020.

WST:pdd



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SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

LMR SYSTEM CAPACITY AND COVERAGE UPDATE

The purpose of this discussion item is to provide your Board with an update of the LMR System capacity and coverage.

WST:pdd



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SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

Board of Directors
Los Angeles Regional Interoperable Communications System Authority (the "Authority")

Dear Directors:

DELEGATED AUTHORITY TO THE EXECUTIVE DIRECTOR TO ACCEPT EQUIPMENT ON A GRATIS BASIS

SUBJECT

Board approval is requested to delegate authority to the Executive Director to execute a receipt with the City of Pasadena (Pasadena) to accept certain combiner equipment, on a gratis basis, for the purposes of testing and evaluating compatibility and functionality on the Land Mobile Radio (LMR) Early Deployment System.

RECOMMENDED ACTIONS

It is recommended that your Board delegate authority to the Executive Director to execute a receipt between the Authority and Pasadena, in substantially similar form to the Enclosure, to allow the Authority to accept certain combiner equipment, on a gratis basis, for the purposes of testing and evaluating compatibility and functionality of the equipment on the LMR Early Deployment System.

BACKGROUND

During the implementation of the Pasadena cell of the ICI (Interagency Communications Interoperability) System, Pasadena purchased equipment (non-grant funded) that was specifically designed to be used in the TV Channel 15 range of frequencies. The equipment was deployed and used between 2010 and 2020, at which time Pasadena ceased using the TV Channel 15 frequencies and merged with the City of Glendale's system on TV Channel 16 frequencies. The combiners have now become obsolete to Pasadena and they are offering the same to LA-RICS on a gratis basis.

AGENDA ITEM K

As such, Pasadena would like to provide these combiners to the Authority on a gratis basis. The total value of the combiners is approximately \$15,000. Should your Board approve, the Authority would execute the enclosed receipt and accept the equipment.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended actions is to allow the Executive Director to accept the combiner from Pasadena.

The Authority intends to use the combiner equipment to test and evaluate equipment on the Land Mobile Radio (LMR) System. In particular, to demonstrate and to confirm proper operation, compatibility, and functionality of subscriber units in a controlled environment.

By executing the receipt, the Authority will accept the equipment but will not guarantee and will not imply any commitment to purchase or procure any equipment, goods, and/or services from Pasadena.

FISCAL IMPACT/FINANCING

There is no fiscal impact associated with the recommended actions.

CONCLUSION

Upon the Board's approval of the recommended actions, the Executive Director or his designee will have delegated authority to proceed in a manner described in the recommended actions.

Respectfully submitted,



SCOTT EDSON
EXECUTIVE DIRECTOR

JA:pdd

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Enclosure

cc: Counsel to the Authority

EQUIPMENT DELIVERY RECEIPT

This Equipment Delivery Receipt (Receipt) allows the **Los Angeles Regional Interoperable Communications System Authority (Authority)** to receive two (2) Combiners (Equipment) from the **City of Pasadena (Agency)**. The Equipment to be received by the Authority is identified in Exhibit A. By executing this Receipt and accepting possession of the Equipment, the Authority agrees that it will receive the Equipment on a gratis and no obligation basis.

The Agency understands and acknowledges that (1) the Equipment is provided to the Authority on a gratis basis and does not guarantee or imply a commitment for any purchase or procurement of any equipment, goods, and/or services; (2) upon execution of this Receipt, title and ownership to the Equipment will transfer to the Authority and the Agency shall take no further right or title to such Equipment.

This Receipt is effective upon execution by both parties.

CITY OF PASADENA

**LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY**

Authorized Agency Official

Executive Director, Scott Edson

Date

Date

EQUIPMENT

Equipment Description	Quantity	Total Equipment Value
TX/RX Systems – Combiner (74-71-01457-TE-19PA)	2	\$15,000

Equipment Delivered By:

Signature Date

Print Name

Equipment Received By:

Signature Date

Print Name



LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

2525 Corporate Place, Suite 100
Monterey Park, California 91754
Telephone: (323) 881-8291
<http://www.la-rics.org>

SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

Board of Directors
Los Angeles Regional Interoperable Communications System Authority (the "Authority")

Dear Directors:

AUTHORIZE THE EXECUTIVE DIRECTOR TO ISSUE PROCUREMENTS FOR ENGINEERING DESIGN SERVICES AND CONSTRUCTION SERVICES FOR THE LAND MOBILE RADIO SYSTEM

SUBJECT

Board approval is requested to authorize the Executive Director to enlist procurement services from the County of Los Angeles Department of Public Works (Public Works) for engineering design and related services as well as construction services, as needed, for certain Land Mobile Radio System (LMR System) Sites for a not-to-exceed amount of \$100,000.

RECOMMENDED ACTION

It is recommended that your Board authorize the Executive Director to proceed with procuring services from architectural and engineering (A&E) and construction contractors via a Request for Proposal (RFP), a prequalification process, an Invitation for Bid (IFB), or any other appropriate procurement mechanism Public Works deems necessary for the acquisition of qualified and responsible A&E and construction contractors, as needed, for a not-to-exceed amount of \$100,000.

BACKGROUND

As your Board may be aware, Public Works assisted the Authority with similar procurement services for the Public Safety Broadband Network (PSBN) Round 2 sites. The Authority utilized Public Works' procurement infrastructure to issue an RFP which

resulted in contracting with a firm that performed A&E services for twenty-one (21) PSBN Round 2 sites.

Additionally, Public Works assisted the Authority with issuing a Request for Statement of Qualification (RFSQ), which resulted in qualifying six (6) companies to bid on the construction of twenty-one (21) PSBN Round 2 sites by way of an IFB process. Public Works' expertise, resources, and infrastructure allowed for efficient and timely procurements.

The Authority is seeking alternative A&E and construction procurement processes for one (1) or more LMR System Sites should more effective site options become available, in particular for sites that require alternative design plans and/or design related work that cannot be accommodated under the existing contract with Motorola Solutions, Inc. (Motorola). As your Board is aware, the LMR program is driven by an integrated master schedule with stringent timeframes. It is prudent to secure alternative options in the event Motorola Solutions, Inc. (Motorola) is not able to perform certain design and/or construction work within the allotted time frames.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to allow the Executive Director to utilize Public Works to procure, on behalf of the Authority, an A&E contractor and resultant construction contractor(s) via an RFP, a prequalification process, IFB, or any other appropriate procurement mechanism Public Works deems necessary, as needed, for the acquisition of qualified and responsible contractors.

If your Board approves, the A&E solicitation would be the first step taken to ensure the Authority has an additional firm(s) to perform the engineering design and construction drawings at one (1) or more LMR System Sites.

With respect to the resultant construction work, it is the Authority's intent, should your Board approve, to further enlist the assistance of Public Works, in parallel to the A&E solicitation, to commence a prequalification process to onboard construction contractors to construct, improve and/or address unforeseen changes at site(s) in a similar fashion as was completed for the PSBN Round 2. Public Works has the expertise, resources, and qualification procedures in place to contract engineering design and construction contractors in accordance with local requirements.

The Authority will return to your Board with any resultant recommended Agreements should your Board approve the recommended actions.

FISCAL IMPACT/FINANCING

The cost for procurement services from Public Works will be for a not-to-exceed amount of \$100,000, and will be funded by the Urban Areas Security Initiative (UASI) Grant.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

The Authority's counsel has reviewed the recommended actions.

CONCLUSION

Upon your Board's approval of the recommended action, the Executive Director will have delegated authority to proceed in a manner described in the recommended action.

Respectfully submitted,



SCOTT EDSON
EXECUTIVE DIRECTOR

JA

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cc: Counsel to the Authority



LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

2525 Corporate Place, Suite 100
Monterey Park, California 91754
Telephone: (323) 881-8291
<http://www.la-rics.org>

SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

LA-RICS Board of Directors
Los Angeles Regional Interoperable Communications System Authority (the "Authority")

Dear Directors:

APPROVE AMENDMENT NO. 51 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM LAND MOBILE RADIO SYSTEM

SUBJECT

Board approval is requested to authorize the Executive Director to execute Amendment No. 51 to Agreement No. LA-RICS 007 (Agreement) to contemplate the incorporation of certain Change Order Modifications as further described in this Board Letter resulting in an increase to the Maximum Contract Sum in the amount of amount of \$23,977.

RECOMMENDED ACTIONS

It is recommended that your Board:

1. Make the following findings with respect to the LMR Change Order Modifications:
 - a. Find that (a) approval of Amendment No. 51 to contemplate certain Change Order Modifications at two (2) LMR System Sites, Los Angeles County Fire Command (FCCF) and Los Angeles County Sheriff's Department Palmdale Station (PLM) related to a leased fiber link between FCCF and PLM, is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at these two (2) sites, which your Board previously found statutorily exempt from review under the California Environmental Quality Act (CEQA) on November 13, 2014 and December 17, 2015 pursuant to Public Resources Code Section 21080.25, the exemption adopted specifically for the LA-RICS, and any leased circuit work that may occur

AGENDA ITEM M

outside of Site FCCF and Site PLM, if needed to provide network connectivity to the LMR System, categorically exempt under CEQA pursuant to Guidelines Section 15301 (existing facilities), 15303 (new construction or conversion of small structures), and 15304 (minor alterations to land).

- b. Find that (a) approval of Amendment No. 51 to contemplate certain Change Order Modifications at one (1) LMR System Sites, Compton Court Building (CCB related to a microwave installation modification, is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at this one (1) site, which your Board previously found statutorily exempt from review under CEQA on November 13, 2014, pursuant to Public Resources Code Section 21080.25, the exemption adopted specifically for the LA-RICS Project, and any leased circuit work that may occur outside of Site CCB, if needed to provide network connectivity to the LMR System, categorically exempt under CEQA pursuant to Guidelines Section 15301 (existing facilities), 15303 (new construction or conversion of small structures), and 15304 (minor alterations to land).
2. Approve Amendment No. 51 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to incorporate certain LMR Change Order Modifications as further described in this board letter for a total cost increase in the amount of \$23,977.
3. Authorize an increase to the Maximum Contract Sum in the amount of \$23,977, when taking the recommended actions into consideration from \$290,580,360 to \$290,604,337.
4. Allow for the issuance of one of more Notices to Proceed for the Work contemplated in Amendment No. 51.
5. Delegate authority to the Executive Director to execute Amendment No. 51, in substantially similar form, to the enclosed Amendment (Enclosure).

BACKGROUND

As construction continues to progress on the LMR project, approval of certain Change Order Modifications is necessary to address changes made in the field and continue construction activities that were not originally contemplated in Motorola's scope. As a result, the recommended actions before your Board contemplate certain LMR Change Order Modifications deemed necessary as further described in this Board Letter.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTIONS

Approval of the recommended actions will authorize the Executive Director to execute Amendment No. 51 to incorporate certain Change Order Modifications, all actions resulting in an increase to the Maximum Contract Sum in the amount of \$23,977.

It is necessary to incorporate a Change Order related to providing a leased fiber link between FCCF and PLM. The additional lease circuit services will accelerate network optimization and provide future secondary network connectivity at these sites. Making the connection now allows the two (2) cores to connect prior to finishing all of the sites, particularly those in the USFS that are necessary for the planned microwave paths. This allows testing to commence on cells and allows for each core to be tested. Further, Amendment No. 51 contemplates a Change Order to provide minor modifications to a microwave antenna support structure (e.g. installation of a vertical pipe and an enhancement to existing pipe mounts) in order to complete microwave connectivity between CCB and Rolling Hills Transmit (RHT). These activities were not previously contemplated in the Agreement and therefore it would be necessary to approve these Change Orders in order to accelerate these activities.

The revisions contemplated in Amendment No. 51 have been reviewed by Authority staff, as well as its consultant (Jacobs) and Motorola, with both parties negotiating and agreeing to each change order, including associated costs.

Further, all recommended actions have been presented to the Change Control Board which includes stakeholder participation and oversight from member agency representatives such as County of Los Angeles Sheriff's Department (Sheriff's Department) and County of Los Angeles Fire Department (Fire Department). Additionally, participation and oversight from Authority project team members representing technical (Internal Services Department), operations (Sheriff's Department and Fire Department), finance, grants, contracts, Jacobs, and Subject Matter Experts (brought in on an as-needed basis depending on the nature of the proposed revision) form part of the Change Control Board.

The Change Control Board participants vetted the revisions presented to your Board for consideration and recommend approval.

FISCAL IMPACT/FINANCING

The activities contemplated in Amendment No. 51 will result in an increase to the Maximum Contract Sum by \$23,977 from \$290,580,360 to \$290,604,337 when taking the recommended actions into consideration. All work contemplated in Amendment No. 51 shall be fully reimbursed by the Urban Areas Security Initiative (UASI) grant.

ENVIRONMENTAL DOCUMENTATION

As the CEQA lead agency, the Authority previously determined on November 13, 2014 and on December 17, 2015, that design, construction, implementation, operation, and maintenance of LMR System infrastructure at three (3) LMR System Sites (CCB, FCCF and PLM) are exempt from review under CEQA pursuant to Public Resources Code Section 21080.25, the statutory CEQA exemption adopted specifically for the LA-RICS Project, which exempts these activities as long as they meet certain criteria set forth in the exemption. In connection with these approvals, the Authority also determined that leased circuit work that may occur outside of these three (3) LMR System Sites as needed to provide connectivity to the LMR System is categorically exempt under CEQA pursuant to CEQA Guidelines Section 15301 (existing facilities), 15303 (new construction or conversion of small structures), and 15304 (minor alterations to land). Leased circuit work, if needed, may consist of simply activating existing fiber infrastructure with no physical environmental impact or, to the extent physical disturbance is required, minor trenching within existing road right of way. To the extent some leased circuit work may need to occur outside of a LMR System site to allow connectivity between sites and the LMR core or to connect the LMR redundant cores, such work is categorically exempt under CEQA pursuant to State CEQA Guidelines Sections 15301, 15303 and 15304 since the work would involve minor alterations of existing facilities, mechanical equipment, and location of new small facilities as well as minor alteration in the condition of land within the public right of way and is therefore within certain classes of projects that have been determined not to have a significant effect on the environment. There would be negligible to no expansion of use associated with this activity since the fiber(s) for the leased circuit lines are dedicated to providing this type of connectivity. Further, leased circuit work would not include the removal of healthy, mature scenic trees nor would it be located in a particularly sensitive environment, and there are no cumulative impacts, unusual circumstances, or other limiting factors that would make the categorical exemption inapplicable based on the project records. The currently recommended actions related to these three (3) LMR System Sites is within the scope of the previously authorized activities, and the determination that these activities are exempt from CEQA remains unchanged.

Upon the Board's approval of the recommended actions for this Amendment No. 51, the Authority will file a Notice of Exemption (NOE) for the three (3) LMR System Sites (CCB, FCCF and PLM) with the County Clerk in accordance with Section 15062 of the State CEQA Guidelines.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

The Authority's counsel has reviewed the recommended actions and approved as to form.

CONCLUSION

Upon the Board's approval of the recommended actions, the Executive Director or his designee will have delegated authority to proceed in a manner described in the recommended actions.

Respectfully submitted,



SCOTT EDSON
EXECUTIVE DIRECTOR

JA:RF:pdd

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Enclosure

cc: Counsel to the Authority

**AMENDMENT NUMBER FIFTY-ONE
TO AGREEMENT NO. LA-RICS 007
FOR
LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM
LAND MOBILE RADIO SYSTEM**

RECITALS

This Amendment Number Fifty-One (together with all exhibits, attachments, and schedules hereto, "Amendment No. 51") is entered into by and between the Los Angeles Regional Interoperable Communications System Authority ("Authority") and Motorola Solutions, Inc. ("Contractor"), effective as of January ____ 2021, based on the following recitals:

The Authority and Contractor have entered into that certain Agreement No. LA-RICS 007 for Los Angeles Regional Interoperable Communications System ("LA-RICS") – Land Mobile Radio System, dated as of August 15, 2013 (together with all exhibits, attachments, and schedules thereto, all as amended prior to the date hereof, the "Agreement").

The Agreement has been previously amended by Amendment Number One, effective as of September 5, 2013, to exercise the Unilateral Option for all Work pertaining to Phase 1 (System Design), without the Additive Alternates; with no change to the Maximum Contract Sum.

The Agreement has been previously amended by Amendment Number Two, effective as of October 29, 2013, to exercise the Unilateral Option for all Work pertaining to Project Descriptions in Phase 1 (System Design) for the Bounded Area Coverage Additive Alternate; with no change to the Maximum Contract Sum.

The Agreement has been previously amended by Amendment Number Three, effective as of December 19, 2013, to, among other things, exercise the Unilateral Option for all Work pertaining to Contractor's provision and implementation of Specified Equipment (as defined in Amendment No. 3) increasing the Maximum Contract Sum by \$1,285,230, from \$280,354,954 to \$281,640,184.

The Agreement has been previously amended by Amendment Number Four, effective as of December 19, 2013, to, among other things, provide and implement under Phase 1 (System Design) certain additional equipment referred to as "Station B Equipment" increasing the Maximum Contract Sum by \$1,169,047, from \$281,640,184 to \$282,809,231.

The Agreement has been previously amended by Amendment Number Five, effective as of March 27, 2014, to, among other things; include license coordination fees, increasing the Maximum Contract Sum by \$20,240, from \$282,809,231 to \$282,829,472.

The Agreement has been previously amended by Amendment Number Six, effective as of April 17, 2014, to, among other things, upgrade to the Los Angeles Police Department's Valley Dispatch Center's ("LAPDVDC") Uninterruptible Power Supply

("UPS") to accommodate the installation and deployment of Core 2 at this facility, increasing the Maximum Contract Sum by \$68,146, from \$282,829,472 to \$282,897,618.

The Agreement has been previously amended by Amendment Number Seven, effective as of May 8, 2014, to, among other things, purchase portable radios, radio accessories, consolettes, and consoles; and to add a provision to address potential joint obligations of Authority and Contractor under the Antennae Lease Agreement dated April 17, 2014, between the City of Los Angeles, the Authority, and Contractor; increasing the Maximum Contract Sum by \$5,177,051, from \$282,897,618 to \$288,074,669.

The Agreement has been previously amended by Amendment Number Eight, effective as of August 28, 2014, to purchase additional portable radios and radio accessories; increasing the Maximum Contract Sum by \$3,671,006, from \$288,074,669 to \$291,745,675.

The Agreement has been previously amended by Amendment Number Nine, effective November 19, 2014, to (a) make changes necessary to reflect the removal of one (1) LMR System Site and all the Work and equipment associated with the removal of this site; (b) make the necessary changes to reflect Phase 1 (System Design) Project Description Work only for twenty-six (26) potential replacement sites; (c) exercise the Unilateral Options for all Work pertaining to Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) for twenty-six (26) existing LMR System Sites; with no increase to the Maximum Contract Sum.

The Agreement has been previously amended by Amendment Number Ten, effective February 17, 2015, to (a) make the necessary changes to reflect Phase 1 (System Design) Description Work for one (1) potential replacement site; (b) make changes necessary to reflect the removal of four (4) LMR System Sites and all the Work and equipment associated with these sites; (c) make changes necessary to reflect the inclusion of four (4) LMR System Sites and all the Work and equipment associated with these sites and exercise the Unilateral Options for all Work pertaining to Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) for these four (4) LMR System Sites; (d) exercise the Unilateral Options for all Work pertaining to Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) for eight (8) LMR System Sites currently contemplated in the Design; (e) allow for two power load studies to be conducted; and (f) make other certain changes as reflected in Amendment No. 10, increasing the Maximum Contract Sum by \$1,101,138, from \$291,745,675 to \$292,846,813.

The Agreement has been previously amended by Amendment Number Eleven, effective April 28, 2015, to (a) make the necessary changes to reflect Phase 1 (System Design) Description Work for two (2) potential replacement sites; (b) make changes necessary to reflect an existing credit from Amendment No. 3 in the amount of \$547,158 in Phase 3 (Supply LMR System Components) for one (1) LMR System Site, (c) make changes necessary to add project management costs that were inadvertently omitted in

Amendment No. 10 in the amount of \$64,282 in Phase 4 (LMR System Implementation) for one (1) LMR System Site, and (d) make other certain changes as reflected in Amendment No. 11, all of which reduced the Maximum Contract Sum by \$459,529, from \$292,846,813 to \$292,387,284.

The Agreement has been previously amended in Amendment Number Twelve, effective August 27, 2015, to (a) make the necessary changes to reflect the shifting of FCC Licensing Work and costs from Phase 3 (Supply LMR System Components) to Phase 1 (System Design) in the amount of \$284,041; (b) make certain changes to reflect the increase of FCC Licensing Work to contemplate the licensing of all UHF T-Band frequencies as referenced in Attachment B, at each of the applicable subsystem sites in order to achieve compliance with the performance criteria set forth in the Agreement, all in the amount of \$139,076; (c) make the necessary changes to reflect the inclusion of a bridge warranty for the Specified Equipment (Core 1, Core 2, repeater sites, Site on Wheels, and Station B Equipment) previously purchased under Amendment No. 3 and Amendment No. 4, to bridge the gap in warranty for this equipment until such time as Final LMR System Acceptance is achieved in the amount of \$647,533; and (d) to purchase portable radios, radio accessories, consolettes, and a control station for the Los Angeles Sheriff's Department Aero Bureau for purposes of mutual aid in the amount of \$386,234; increasing the Maximum Contract Sum by \$1,172,843 from \$292,387,284 to \$293,560,127.

The Agreement has been previously amended to Amendment Number Thirteen effective October 30, 2015 to make the necessary changes to reflect Phase 1 (System Design) Work to add lease exhibits to twenty-nine (29) LMR System Sites; increasing the Maximum Contract Sum by \$14,888 from \$293,560,127 to \$293,575,015.

The Agreement has been previously amended in Amendment Number Fourteen, effective November 17, 2015, to reflect the Work to reprogram UHF frequencies in accordance with Attachment A and purchase upgraded equipment for the County of Los Angeles Sheriff's Department's (LASD) Station B, as well as the Authority's System on Wheels to prepare for use at certain scheduled events in the amount of \$64,256, increasing the Maximum Contract Sum from \$293,575,015 to \$293,639,271.

The Agreement has been previously amended in Amendment Number Fifteen, effective December 17, 2015, to reflect the inclusion of Phase 1 (System Design) Project Description Work for eleven (11) potential replacement sites in the amount of \$128,414, increasing the Maximum Contract Sum from \$293,639,271 to \$293,767,685.

The Agreement has been previously amended in Amendment Number Sixteen, effective December 23, 2015, to (a) reflect the removal of thirty-one (31) LMR System Sites from the scope of Phase 1 (System Design) Work only for a cost reduction in the amount of \$1,132,374; (b) reflect the inclusion of seventeen (17) LMR System Sites into the scope of Phase 1 (System Design) only which includes all Work associated with the addition of these sites into Phase 1 (System Design) for a cost increase in the amount of \$635,537; (c) exercise the Unilateral Options for all Work pertaining to Phase 1 (System Design) for seventeen (17) LMR System Sites; (d) include Phase 1 (System Design)

Project Description Work only for one (1) potential replacement site (LACF134) for a cost increase in the amount of \$11,674; (e) account for a comprehensive redesign of the LMR System and all associated Work for a cost increase in the amount of \$1,054,440; (f) reflect the removal, relocation, and deployment of the LMR System Core 2 equipment from Los Angeles Police Department Valley Dispatch Center (LAPDVDC) to Palmdale Sheriff Station (PLM) and necessary Work associated with this relocation and for a cost increase in the amount of \$499,912; increasing the Maximum Contract Sum by \$1,069,189 (\$635,537 + \$11,674 + \$1,054,440 + \$499,912 - \$1,132,374 when taking the above cost increases and decreases into consideration) from \$293,767,685 to \$294,836,874.

The Agreement has been previously amended in Amendment Number Seventeen, effective April 25, 2016, as follows:

- (a) Make changes necessary to reflect the removal of thirty-four (34) LMR System Sites from the scope of Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), respectively, and all associated Work of the same for a cost reduction in the amount of \$45,143,083.
- (b) Make the changes necessary to reflect the inclusion of nineteen (19) LMR System Sites into the scope of Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), respectively, and all associated Work of the same for a cost increase in the amount of \$23,677,589.
- (c) Re-baselining of the project management overhead expenses, attributable in the Agreement to each phase of the work that contemplates project management fees, to more accurately reflect the current project scope, and to establish a formula to more accurately price the net impact on project management overhead expenses of any subsequent addition or removal of sites. The re-baseline removes costs on a per site basis to a new per phase deliverable as contemplated in Amendment No. 17 in the amount of \$8,207,108. This re-baselining does however result in a net cost reduction in the amount of \$572,826 which is contemplated in the re-baseline.
- (d) Reconcile equipment necessary for certain LMR System Sites as well as the logging recorder as a result of redesign for a cost increase in the amount of \$3,171,159.
- (e) Exercise the Unilateral Options for all Work pertaining to Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) respectively, for those LMR System Sites contained in the LMR System reflecting the reconciliation of sites contemplated in Amendment No. 17.

- (e) Decreasing the Maximum Contract Sum by \$10,087,227 ($-\$45,143,083 + \$23,677,589 + \$8,207,108 + \$3,171,159$) when taking the above cost increases and decreases into consideration) from \$294,836,874 to \$284,749,647.
- (f) Make other certain changes as set forth in Amendment No. 17.

The Agreement has been previously amended in Amendment Number Eighteen, effective May 4, 2016, to (a) reflect the inclusion of eight (8) LMR System Sites into the scope of Phase 1 (System Design) Work only which includes all Work associated with the addition of these sites into Phase 1 (System Design) for a cost increase in the amount of \$76,136; (b) exercise the Unilateral Options for all Work pertaining to Phase 1 (System Design) for eight (8) LMR System Sites; (c) reflect the inclusion of Phase 1 (System Design) Project Description Work for four (4) LMR System Sites for a cost increase in the amount of \$46,696; and (d) increasing the Maximum Contract Sum by \$122,832 ($\$76,136 + \$46,696$), when taking the cost increases into consideration from \$284,749,647 to \$284,872,479.

The Agreement has been previously amended in Amendment Number Nineteen, effective May 5, 2016, to make changes necessary to (a) reflect the removal of one (1) LMR System Site from the scope of Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) for a cost reduction in the amount of \$1,192,712, which includes a reduction in the amount of \$20,322 for project management costs for this site; (b) reconcile equipment necessary for certain LMR System Sites as a result of redesign for a cost increase in the amount of \$1,197,256; increasing the Maximum Contract Sum by \$4,544 ($\$1,197,256 - \$1,192,712$), when taking the cost increases and decreases into consideration, from \$284,872,479 to \$284,877,023; and (c) make other certain changes as set forth in Amendment No. 19.

The Agreement has been previously amended in Amendment Number Twenty, effective September 28, 2016, to make changes necessary to (a) reconcile nine (9) LMR System Sites to reflect the updated LMR System Design for a cost increase in the amount of \$367,144, (b) include 3D Modeling Work for certain LMR System Sites for a cost increase in the amount of \$6,534; (c) remove Site Lease Exhibit Work for certain LMR System Sites for a cost decrease in the amount of \$14,884; (d) increasing the Maximum Contract Sum by \$358,794 ($\$367,144 + \$6,534 - \$14,884$) from \$284,877,023 to \$285,235,817 when taking the cost increases and decreases into consideration and (e) make other certain changes as set forth in Amendment No. 20.

The Agreement has been previously amended in Amendment Number Twenty-One, effective October 27, 2016, to make changes necessary to reflect (a) the replacement of one (1) LMR System Site Johnstone Peak (JPK) with site Johnstone Peak 2 (JPK2) by (1) removing site JPK from the scope of Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), respectively, and all associated Work of the same; and (2) include the JPK2 site into the scope of Phase 1 (System Design), Phase 2

(Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), respectively, and all associated Work of the same, with the equivalent scope and cost for all Phases as JPK resulting in a cost neutral replacement; (b) exercise the Unilateral Options for all Work pertaining to Phase 1 (System Design) only for the replacement site Johnstone Peak 2; (c) reconcile ten (10) LMR System Sites to reflect the updated LMR System Design for a cost increase in the amount of \$804,944; (d) remove five (5) Project Descriptions from the scope of Phase 1 Work for a cost decrease in the amount of \$58,370; (e) make changes necessary to reflect an administrative revisions for a cost decrease in the amount of \$32,001; (f) increasing the Maximum Contract Sum by \$714,573 (\$804,944 - \$58,370 - \$32,001) from \$285,235,817 to \$285,950,390, when taking the cost increases and decreases into consideration; and (g) make other certain changes as set forth in Amendment No. 21.

The Agreement has been previously amended in Amendment Number Twenty-Two, effective November 17, 2016, to make changes necessary to reflect (a) the reconciliation of three (3) LMR System Sites to reflect the updated LMR System Design for a cost increase in the amount of \$476,676; (b) increasing the Maximum Contract Sum by \$476,676 from \$285,950,390 to \$286,427,066, when taking the cost increase into consideration; and (c) make other certain changes as set forth in Amendment No. 22.

The Agreement has been previously amended in Amendment Number Twenty-Three, effective December 21, 2016, to make changes necessary to (a) include four (4) LMR System Sites and all Work and equipment associated with these sites into Phase 1 (System Design) to be contemplated in the LMR System for a cost increase in the amount of \$36,068; (b) exercise the respective Unilateral Options all Phase 1 (System Design) Work pertaining to the four (4) LMR System Sites; (c) purchase certain Radio Equipment to be used with Authority's User Equipment for a cost increase in the amount of \$948; (d) increase the Maximum Contract Sum by \$39,016 from \$286,427,066 to \$286,466,082, when taking the cost increases into consideration; and (d) make other certain changes as set forth in Amendment No. 23.

The Agreement has been previously amended in Amendment Number Twenty-Four effective January 25, 2017, to make changes necessary to reflect (a) the reconciliation of six (6) LMR System Sites to align with the updated LMR System Design for a cost increase in the amount of \$2,379,232; (b) increase the Maximum Contract Sum by \$2,379,232 from \$286,466,082 to \$288,845,314, when taking the cost increase into consideration; and (c) make other certain changes as set forth in Amendment No. 24.

The Agreement has been previously amended in Amendment Number Twenty-Five effective March 20, 2017, to make changes necessary to reflect (a) the reconciliation of five (5) LMR System Sites to align with the updated LMR System Design for a cost decrease in the amount of \$330,670; (b) the inclusion of three (3) LMR System Sites into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercising the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$4,684,205 (c) increase the Maximum Contract Sum by \$4,353,535 from

\$288,845,314 to \$293,198,849, when taking the cost increase and decrease into consideration; and (d) make other certain changes as set forth in Amendment No. 25.

The Agreement has been previously amended in Amendment Number Twenty-Six, effective April 13, 2017, to make changes necessary to reflect (a) the reconciliation of seven (7) LMR System Sites to align with the updated LMR System Design for a cost increase in the amount of \$2,336,048; (b) the inclusion of one (1) LMR System Site into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercising the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$64,744 (c) increase the Maximum Contract Sum by \$2,400,792 from \$293,198,849 to \$295,599,641, when taking the cost increase into consideration; and (d) make other certain changes as set forth in Amendment No. 26.

The Agreement has been previously amended in Amendment Number Twenty-Seven, effective June 1, 2017, to make changes necessary to reflect (a) the reconciliation of two (2) LMR System Sites to align with the updated LMR System Design for a cost decrease in the amount of \$355,410 (b) the inclusion of two (2) LMR System Sites into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercising the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$1,439,627 (c) make changes necessary to reflect an administrative reconciliation, a reconciliation related to dropped sites, and a reconciliation related to services performed in Phase 1 for a cost decrease in the amount of \$3,434,574; (d) increase the scope to include all Work necessary to implement an environmental Mitigation Monitoring and Reporting Plan into the LMR program to assess and ensure mitigation measures are met for a cost increase in the amount of \$2,912,356, (e) increase the Maximum Contract Sum by \$561,999 from \$295,599,641 to \$296,161,640 when taking the cost increases and decreases into consideration; and (f) make other certain changes as set forth in Amendment No. 27.

The Agreement has been previously amended in Amendment Number Twenty-Eight, effective August 21, 2017, to make changes necessary to reflect (a) the reconciliation of one (1) LMR System Site to align with the updated LMR System Design for a cost increase of \$868,771 (b) make changes necessary to reflect LMR Change Order Modifications for a cost increase in the amount of \$31,487; (c) increase the Maximum Contract Sum by \$900,258 from \$296,161,640 to \$297,061,898 when taking the cost increases into consideration; and (d) make other certain changes as set forth in Amendment No. 28.

The Agreement has been previously amended in Amendment Number Twenty-Nine, effective September 07, 2017, to make changes necessary to reflect (a) the inclusion of one (1) LMR System Site into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercise the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$1,170,471 (b) make changes necessary to reflect LMR Change Order Modifications for a cost increase in the

amount of \$31,922; (c) increase the Maximum Contract Sum by \$1,202,393 from \$297,061,898 to \$298,264,291 when taking the cost increases into consideration; and (d) make other certain changes as set forth in Amendment No. 29.

The Agreement has been previously amended in Amendment Number Thirty, effective November 09, 2017, to make changes necessary to reflect (a) the reconciliation of seven (7) LMR System Site to align with the updated LMR System Design for a cost decrease of \$1,664,767 (b) the inclusion of one (1) LMR System Site into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercise the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$1,228,018 (c) make changes necessary to reflect LMR Change Order Modifications for a cost increase in the amount of \$4,195; (d) upgrade equipment for the Multiprotocol Label Switching (MPLS) Mobile Backhaul which will provide the backhaul capacity necessary for network performance reliability and functionality for a cost increase in the amount of \$2,200,000; (e) increase the Maximum Contract Sum by \$1,767,446 from \$298,264,291 to \$300,031,737 when taking the cost increases and decreases into consideration; and (f) make other certain changes as set forth in Amendment No. 30.

The Agreement has been previously amended in Amendment Number Thirty-One, effective February 28, 2018, to make changes necessary to reflect (a) certain LMR Change Order Modifications, in particular the installation of tower lighting at Mira Loma (MLM) LMR System Site, for a cost increase in the amount of \$19,573; (d) increase the Maximum Contract Sum by \$19,573 from \$300,031,737 to \$300,051,310 when taking the cost increases into consideration; and (b) make other certain changes as set forth in Amendment No. 31.

The Agreement has been previously amended in Amendment Number Thirty-Two, effective March 1, 2018, to make changes necessary to reflect (a) the reconciliation of three (3) LMR System Sites to align with the updated LMR System Design for a cost decrease in the amount of \$4,131,931; (b) a cost neutral administrative reconciliation in connection with the Narrowband Mobile Data Network (NMDN) Subsystem to align all corresponding per site NMDN costs to a single line item cost, impacting thirty-three (33) LMR System Sites; (c) decrease the Maximum Contract Sum by \$4,131,931 from \$300,051,310 to \$295,919,379 when taking the cost decrease into consideration; and (d) make other certain changes as set forth in Amendment No. 32.

The Agreement has been previously amended in Amendment Number Thirty-Three, effective May 30, 2018, to make changes necessary to reflect (a) certain LMR Change Order Modifications for a cost increase in the amount of \$17,490 (b) increase the Maximum Contract Sum by \$17,490 from \$295,919,379 to \$295,936,869 when taking the cost increase into consideration; and (c) make other certain changes as set forth in Amendment No. 33.

The Agreement has been previously amended in Amendment Number Thirty-Four, effective July 31, 2018, to make changes necessary to reflect (a) the inclusion of one (1) LMR System Site into the scope of Phase 2 (Site Construction and Site Modification),

Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercise the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$1,016,780; (b) certain LMR Change Order Modifications for a cost increase in the amount of \$90,744; (c) the removal of certain Authority equipment, in particular an Uninterruptible Power Supply (UPS), from the Los Angeles Police Department's Valley Dispatch Center (LAPDVDC) for a cost increase in the amount of \$6,010; (d) an extension of a bridge warranty for the certain Early Deployment/Specified Equipment purchased and deployed under previously approved Amendments to bridge the warranty gap for this equipment until December 31, 2019, for a cost increase in the amount of \$430,800; (e) increase the Maximum Contract Sum by \$1,544,334 from \$295,936,869 to \$297,481,203 when taking the cost increase into consideration; and (f) make other certain changes as set forth in Amendment No. 34.

The Agreement has been previously amended in Amendment Number Thirty-Five, effective October 11, 2018, to make changes necessary to reflect (a) the reconciliation of one (1) LMR System Site Olinda (OLI) from the scope of Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), respectively, and all associated Work of the same for a cost decrease in the amount of \$701,234; (b) the inclusion of one (1) LMR System Site Winding Way (WWY) into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercise the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$1,064,388; (c) certain LMR Change Order Modifications for a cost increase in the amount of \$13,115 (d) make changes necessary to reflect an administrative reconciliation, a reconciliation related to the removal of certain Authority equipment, in particular an Uninterruptible Power Supply (UPS), from the Los Angeles Police Department's Valley Dispatch Center (LAPDVDC) for a cost increase in the amount of \$601; (e) increase the Maximum Contract Sum by \$376,870 from \$297,481,203 to \$297,858,073 when taking the cost decrease and increase into consideration; and (f) make other certain changes as set forth in Amendment No. 35.

The Agreement has been previously amended in Amendment Number Thirty-Six, effective November 19, 2018, to make changes necessary to reflect (a) reconciliation of five (5) LMR System Sites to align with the updated LMR System Design for a cost decrease in the amount of \$535,981; (b) inclusion of one (1) LMR System Site San Pedro Hill (SPH) into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), exercising the Unilateral Options of the same, to align with the updated LMR System Design for a cost increase in the amount of \$842,471; (c) incorporate an LMR Change Order Modification for a cost increase in the amount of \$4,952 (d) increase the Maximum Contract Sum by \$311,442 from \$297,858,073 to \$298,169,515 when taking the cost decreases and increases into consideration; and (e) make other certain changes as set forth in Amendment No. 36.

The Agreement has been previously amended in Amendment Number Thirty-Seven, effective February 26, 2019, to make changes necessary to (a) incorporate

certain LMR Change Order Modifications for a cost increase in the amount of \$56,337; (b) increase the Maximum Contract Sum by \$56,337 from \$298,169,515 to \$298,255,852 when taking the cost increases into consideration; and (c) make other certain changes as set forth in Amendment No. 37.

The Agreement has been previously amended in Amendment Number Thirty-Eight, effective June 11, 2019, to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in Amendment No. 38 that results in a net cost decrease in the amount of \$47,393; (b) decrease the Maximum Contract Sum by \$47,393 from \$298,225,852 to \$298,178,459 when taking the cost increases and decreases into consideration; and (c) make other certain changes as set forth in Amendment No. 38.

The Agreement has been previously amended in Amendment Number Thirty-Nine, effective September 16, 2019, to make changes necessary to (a) reflect a reconciliation related to the Narrowband Mobile Data Network (NMDN) Subsystem resulting in a cost decrease in the amount of \$720,207, (b) incorporate certain LMR Change Order Modifications as further described in Amendment No. 39 that results in a cost increase in the amount of \$73,606; (c) decrease the Maximum Contract Sum by \$646,601 from \$298,178,459 to \$297,531,858 when taking the cost increase and decrease into consideration; and (d) make other certain changes as set forth in Amendment No. 39.

The Agreement has been previously amended in Amendment Number Forty, effective September 16, 2019, to make changes necessary to (a) reflect a reconciliation to remove two (2) LMR System Sites, Lower Encinal Pump Station (LEPS) and Winding Way (WWY), from the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) and reconcile the Narrowband Mobile Data Network (NMDN) Subsystem to align with the updated LMR System Design for a net cost decrease in the amount of \$2,053,456; (b) revise Exhibit B (LMR System Specification) to include the scope for certain Work related to Channel 15 and 16 Interference Mitigation resulting in a cost increase in the amount of \$803,207; (c) incorporate certain LMR Change Order Modifications as further described in Amendment No. 40 that results in a cost decrease in the amount of \$10,920; (d) decrease the Maximum Contract Sum by \$1,261,169 from \$297,531,858 to \$296,270,689 when taking the cost increases and decreases into consideration; and (e) make other certain changes as set forth in Amendment No. 40.

The Agreement has been previously amended in Amendment Number Forty-One, effective October 17, 2019, to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in Amendment No. 41 that results in a cost increase in the amount of \$255,975; (b) increase the Maximum Contract Sum by \$255,975 from \$296,270,689 to \$296,526,664 when taking the cost increase into consideration; and (c) make other certain changes as set forth in Amendment No. 41.

The Agreement has been previously amended in Amendment Number Forty-Two, effective February 20, 2020, to make changes necessary to (a) reflect a modification to

the scope of the Acceptance Testing Plan (ATP) for a cost decrease in the amount of \$6,512,264; (b) in consideration of the modified ATP scope; (c) reduce certain Pre-Installation Acceptance Testing for a cost decrease in the amount of \$245,663; (d) extend the Bridge Warranty certain Early Deployment/Specified Equipment purchased and deployed under previously approved Amendments to bridge the warranty gap for this equipment until December 31, 2020, for a cost increase in the amount of \$312,897; (e) revise Exhibit C.16 (LMR Mitigation Monitoring and Reporting Plan [MMRP]) to reflect collective amounts for LMR Monitoring, Surveys, and Reporting Tasks and LMR Contingency Tasks, which is cost neutral; (f) decrease the Maximum Contract Sum by \$6,445,029 from \$296,526,664 to \$290,081,635 when taking aforementioned actions and costs into consideration; and (g) make other certain changes as set forth in Amendment No. 42.

The Agreement has been previously amended in Amendment Number Forty-Three, effective April 23, 2020, to make changes necessary to (a) reflect a reconciliation of certain equipment which results in a cost decrease in the amount of \$50,313 (b) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 43 that results in a cost increase in the amount of \$185,344; (c) increase the Maximum Contract Sum by \$135,031 from \$290,081,635 to \$290,216,666 when taking aforementioned actions and costs into consideration; and (d) make other certain changes as set forth in Amendment No. 43.

The Agreement has been previously amended in Amendment Number Forty-Four, effective April 23, 2020, to make changes necessary to (a) reflect a reconciliation related to certain LMR Change Order Modifications as further described in this Amendment No. 44 which results in a cost increase in the amount of \$2,609 (b) increase the Maximum Contract Sum by \$2,609 from \$290,216,666 to \$290,219,275 when taking aforementioned actions and costs into consideration; and (c) make other certain changes as set forth in Amendment No. 44.

The Agreement has been previously amended in Amendment Number Forty-Five, effective April 23, 2020, to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 45 which results in a cost increase in the amount of \$39,050 (b) increase the Maximum Contract Sum by \$39,050 from \$290,219,275 to \$290,258,325 when taking aforementioned actions and costs into consideration; and (c) make other certain changes as set forth in Amendment No. 45.

The Agreement has been previously amended in Amendment Number Forty-Six, effective May 11, 2020, to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 46 which results in a cost increase in the amount of \$375,728 (b) increase the Maximum Contract Sum by \$375,728 from \$290,258,325 to \$290,634,053 when taking aforementioned actions and costs into consideration; and (c) make other certain changes as set forth in Amendment No. 46.

The Agreement has been previously amended in Amendment Number Forty-Seven, effective June 16, 2020, to make changes necessary to (a) reflect a reconciliation of certain equipment which results in a cost decrease in the amount of \$3,130,664; (b) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 47 which results in a cost increase in the amount of \$634,535; (c) decrease the Maximum Contract Sum by \$2,496,129 from \$290,634,053 to \$288,137,924 when taking aforementioned actions and costs into consideration; and (d) make other certain changes as set forth in Amendment No. 47.

The Agreement has been previously amended in Amendment Number Forty-Eight, effective August 17, 2020, to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 48 which results in a cost increase in the amount of \$10,159; (b) increase the Maximum Contract Sum by \$10,159 from \$288,137,924 to \$288,148,083; and (c) make other certain changes as set forth in Amendment No. 48.

The Agreement has been previously amended in Amendment Number Forty-Nine, effective October 2, 2020, to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in Amendment No. 49, which results in a cost increase in the amount of \$370,007; (b) increase the Maximum Contract Sum by \$370,007 from \$288,148,083 to \$288,518,090; and (c) make other certain changes as set forth in Amendment No. 49.

The Agreement has been previously amended in Amendment Number Fifty, effective November 24, 2020, to make changes necessary (a) reflect a reconciliation to replace one (1) LMR System Site Sunset Ridge (SUN) with the East Sunset Ridge (ESR) site into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), all associated Work, and exercising the Unilateral Options of the same, for a net cost increase in the amount of \$1,293,256; (b) extend the Bridge Warranty for certain Early Deployment/Specified Equipment purchased and deployed under previously approved Amendments to bridge the warranty gap for this equipment until December 31, 2021, for a cost increase in the amount of \$393,906; (c) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 50, which results in a cost increase in the amount of \$375,108; (d) increase the Maximum Contract Sum by \$2,062,270 from \$288,518,090 to \$290,580,360; and (e) make other certain changes as set forth in Amendment No. 50.

The Authority and Contractor desire to further amend the Agreement to make changes necessary to (a) incorporate certain LMR Change Order Modifications as further described in this Amendment No. 51, which result in a cost increase in the amount of \$23,977; (b) increase the Maximum Contract Sum by \$23,977 from \$290,580,360 to \$290,604,337; and (c) make other certain changes as set forth in this Amendment No. 51.

This Amendment No. 51 is authorized under Section 2 (Changes to Agreement) of the Agreement.

NOW THEREFORE, in consideration of the foregoing recitals, all of which are incorporated as part of this Amendment No. 51, and for other valuable consideration, the receipt and sufficiency of which are acknowledged, Authority and Contractor hereby agree as follows:

1. Capitalized Terms; Section References. Capitalized terms used herein without definition (including in the recitals hereto), have the meanings given to such terms in the Base Document. Unless otherwise noted, section references in this Amendment No. 51 refer to sections of the Base Document, as amended by this Amendment No. 51.
2. LMR Change Order Modifications. The parties agree and acknowledge that Contractor will perform the Work contemplated in COR No. MSI-6094 and MSI-6096 set forth in Exhibit C.17 (LMR Change Order Modifications) pursuant to this Section 2, in exchange for the amounts set forth in Exhibit C.17 (LMR Change Order Modifications) to Exhibit C (Schedule of Payments).

Item No.	Site ID	Site Name	COR No.	Description	Amount
1.	FCCF/PLM	Los Angeles County Fire Command/Los Angeles County Sheriff's Department Palmdale Station	MSI-6094	Leased Fiber Link between FCCF and PLM	\$23,977
2.	CCB	Compton Court Building	MSI-6096	Microwave Installation Modification	\$0
TOTAL AMOUNT:					\$23,977

3. Amendments to the Base Document.
 - 3.1 Section 8.1 (Maximum Contract Sum and Contract Sum – General), in particular Section 8.1.1 of the Base Document, is deleted in its entirety and replaced with the following:
 - 8.1.1 The "Maximum Contract Sum" under this Agreement is Two Hundred Ninety Million, Six Hundred Four Thousand, Three Hundred Thirty-Seven Dollars (\$290,604,337) which includes the Contract Sum and all Unilateral Option Sums, as set forth in Exhibit C (Schedule of Payments).
 - 3.2 Section 24.4 (Limitation of Liability), in particular Section 24.4.1 of the Base Document, is deleted in its entirety and replaced with the following:
 - 24.4.1 Except for liability resulting from personal injury, harm to tangible property, or wrongful death, Contractor's total liability to the Authority, whether for breach of contract, warranty, negligence, or strict liability in tort, will be limited in the aggregate to direct damages no greater than Two Hundred Eighty-Three Million, Seven Hundred Ninety-Four Thousand, Seven Hundred Seventy

Dollars (\$283,794,770). Notwithstanding the foregoing, Contractor shall not be liable to the Authority for any special, incidental, indirect, or consequential damages.

4. Amendments to Agreement Exhibits.
 - 4.1 Exhibit C.1 (LMR System Payment Summary) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.1 (LMR System Payment Summary), which is attached to this Amendment No. 51 and incorporated herein by this reference.
 - 4.2 Exhibit C.17 (LMR Change Order Modifications) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.17 (LMR Change Order Modifications), attached to this Amendment No. 51, which is incorporated herein by this reference.
5. This Amendment No. 51 shall become effective as of the date identified in the recitals, which is the date upon which:
 - 5.1 An authorized agent of Contractor has executed this Amendment No. 51;
 - 5.2 Los Angeles County Counsel has approved this Amendment No. 51 as to form;
 - 5.3 The Board of Directors of the Authority has authorized the Executive Director of the Authority, if required, to execute this Amendment No. 51; and
 - 5.4 The Executive Director of the Authority has executed this Amendment No. 51.
6. Except as expressly provided in this Amendment No. 51, all other terms and conditions of the Agreement shall remain the same and in full force and effect.
7. Contractor and the person executing this Amendment No. 51 on behalf of Contractor represent and warrant that the person executing this Amendment No. 51 for Contractor is an authorized agent who has actual authority to bind Contractor to each and every term and condition of this Amendment No. 51, and that all requirements of Contractor to provide such actual authority have been fulfilled.
8. This Amendment No. 51 may be executed in one or more original or facsimile counterparts, all of which when taken together shall constitute one in the same instrument.

* * *

**AMENDMENT NUMBER FIFTY-ONE
TO AGREEMENT NO. LA-RICS 007
FOR
LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM
LAND MOBILE RADIO SYSTEM**

IN WITNESS WHEREOF, the parties hereto have caused this Amendment No. 51 to be executed on their behalf by their duly authorized representatives, effective as of the date first set forth above.

LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY

MOTOROLA SOLUTIONS, INC.

By: _____

Scott Edson
Executive Director

By: _____

Arturs A. Vanags
Motorola Project Director

APPROVED AS TO FORM FOR THE
LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY:

RODRIGO A. CASTRO-SILVA
Acting County Counsel

By: _____

Truc L. Moore
Principal Deputy County Counsel

EXHIBIT C.1 - SCHEDULE OF PAYMENTS LMR SYSTEM PAYMENT SUMMARY				
Summary	Unilateral Option Sum	Contract Sum - Full Payable Amount	10% Holdback Amount	Payment Minus 10% Holdback Amount
Phase 1 ^(Note 1)	\$ -	\$ 42,322,029	\$ 3,124,069	\$ 39,197,960
Phase 2	\$ -	\$ 44,409,295	\$ 4,331,539	\$ 40,077,755
Phase 3	\$ -	\$ 58,058,793	\$ 4,402,282	\$ 53,656,511
Phase 4	\$ -	\$ 21,509,642	\$ 2,087,592	\$ 19,422,050
SUBTOTAL (Phases 1 to 4):	\$ -	\$ 166,299,759	\$ 13,945,483	\$ 152,354,276
Phase 5 (15 Years)	\$ 55,898,518	\$ -	\$ -	\$ 55,898,518
TOTAL (Phases 1 to 5):	\$ 55,898,518	\$ 166,299,759	\$ 13,945,483	\$ 208,252,794
Bounded Area Coverage Additive Alternate ^(Note 1)	\$ 19,109,375	\$ -	\$ 1,910,937	\$ 17,198,437
Mandatory Building Coverage Additive Alternate	\$ 29,828,448	\$ -	\$ 2,982,845	\$ 26,845,603
Metrorail Coverage Additive Alternate	\$ 4,792,260	\$ -	\$ 479,226	\$ 4,313,034
LMR System Maintenance for Additive Alternates	\$ 19,620,355	\$ -	\$ 1,962,036	\$ 17,658,320
Source Code Software Escrow	\$ 1,304,000	\$ -	\$ 130,400	\$ 1,173,600
LMR Mitigation Monitoring and Reporting Plan		\$ 2,912,356	\$ -	\$ 2,912,356
LMR Change Order Modifications		\$ 2,685,878	\$ 268,588	\$ 2,417,290
Multiprotocol Label Switching Mobile Backhaul		\$ 2,200,000	\$ 220,000	\$ 1,980,000
Channel 15 and Channel 16 Interference Mitigation		\$ 803,207		\$ 803,207
LMR Bridge Warranty		\$ 1,785,136		\$ 1,785,136
SUBTOTAL	\$ 130,552,956	\$ 176,686,336	\$ 21,899,514	\$ 285,339,778
TOTAL CONTRACT SUM:	\$176,686,336			
LMR Discounts ^(Note 2)	-\$16,634,955			
MAXIMUM CONTRACT SUM(Total Unilateral Option Sum plus Total Contract Sum):	\$290,604,337			

Note 1: The cost for the Project Descriptions for the Bounded Area Coverage only are reflected in Exhibit C.2 (Phase 1 - System Design) as amended and restated in Amendment No. 2., and included (\$173, 110) in Phase 1 Contract Sum - Full Payable Amount. The balance of the remaining Unilateral Option Sum for Bounded

Note 2: The total remaining balance of the LMR Discounts applied to the Max Contract Sum will be utilized at the discretion of the Authority.

SCHEDULE OF PAYMENTS
EXHIBIT C.17 - LMR CHANGE ORDER MODIFICATIONS

Change Order Number	Site ID	Item/Category	Contract Sum - Payable Amount	10% Holdback Amount	Payable Amount Less 10% Holdback Amount
Amendment No. 28					
MSI 003 Revised	OLI	MSI-003 OLI Tower Mapping (Revised)	\$ -	\$ -	\$ -
MSI-007	LDWP243	MSI-007 LDWP243 Additional Structural Analysis for Coverage Enhancement	\$ 2,200	\$ 220	\$ 1,980
MSI-008	LMR	MSI-008 Station B Reprogramming of 700 MHz DTVRS Stations	\$ 9,912	\$ 991	\$ 8,921
MSI-009	AGH	MSI-009 AGH SCE Engineering Fee Reimbursement	\$ 5,634	\$ 563	\$ 5,071
MSI-012	LMR	MSI-012 Site 3D Models per Authority Request BJM, DPK, TWR	\$ -	\$ -	\$ -
MSI-015	BUR1	MSI-015 BUR1 SCE Engineering Fee	\$ 3,308	\$ 331	\$ 2,977
MSI-016	BMT	MSI-016 BMT SCE Engineering Fee	\$ 592	\$ 59	\$ 533
MSI-017	MML	MSI-017 MML SCE Engineering Fee	\$ 3,308	\$ 331	\$ 2,977
Amendment No. 28 Subtotal			\$ 24,953	\$ 2,495	\$ 22,458
Amendment No. 29					
MSI-030	APC	MSI-030 Saturday Labor and Crane Cost	\$ 2,405	\$ 241	\$ 2,165
MSI-020R	BKK	MSI-020R Tower Mapping and Painting	\$ 26,225	\$ 2,623	\$ 23,603
MSI-024	BKK	MSI-024 Dispersive Wave Testing	\$ 5,426	\$ 543	\$ 4,883
MSI-1208	POM	MSI-LMR1208 ACM and LCP Testing Services	\$ 4,400	\$ 440	\$ 3,960
Amendment No. 29 Subtotal			\$ 38,456	\$ 3,846	\$ 34,610
Amendment No. 30					
MSI-1205	MVS	MSI-1205 MVS LCP Testing Services	\$ 4,195	\$ 420	\$ 3,776
Amendment No. 30 Subtotal			\$ 4,195	\$ 420	\$ 3,776
Amendment No. 31					
MSI-1265	ONK	MSI-1265 Environmental Testing ACM and LPC Services	\$ 3,633	\$ 363	\$ 3,270
MSI-1206	CCT	MSI-1206 HVAC Condenser Pad Modification	\$ 9,745	\$ 975	\$ 8,771
MSI-1321	AGH	MSI-1321 Additional Title, Survey, Research	\$ 2,100	\$ 210	\$ 1,890
MSI-1267R	LARICSHQ	MSI-1267R Environmental Testing ACM and LPC Services	\$ 4,095	\$ 410	\$ 3,686
Amendment No. 31 Subtotal			\$ 19,573	\$ 1,957	\$ 17,616
Amendment No. 33					
MSI-1528	MLM	MSI-1528 MLM Tower Light	\$ 17,490	\$ 1,749	\$ 15,741
Amendment No. 33 Subtotal			\$ 17,490	\$ 1,749	\$ 15,741
Amendment No. 34					
MSI-1447	AGH	MSI-1477 AGH Additional Electrical Work	\$ 84,503	\$ 8,450	\$ 76,053
MSI-1435	HPK	MSI-1435 HPK Power Conduit Outside Compound	\$ 6,241	\$ 624	\$ 5,617
Amendment No. 34 Subtotal			\$ 90,744	\$ 9,074	\$ 81,670
Amendment No. 35					
MSI-5002	SDW	MSI-5002 SDW Waveguide Bridge Installation	\$ 13,115	\$ 1,312	\$ 11,804
Amendment No. 35 Subtotal			\$ 13,115	\$ 1,312	\$ 11,804
Amendment No. 36					
MSI-5003	BJM	MSI-5003 BJM Tower Mapping Services	\$ 4,952	\$ 495	\$ 4,457
Amendment No. 36 Subtotal			\$ 4,952	\$ 495	\$ 4,457
Amendment No. 37					
MSI-5010	CRN	CRN Lead Paint Abatement and Consulting Services	\$ 3,754	\$ 375	\$ 3,379
MSI-5008	CRN	CRN Siren	\$ 10,113	\$ 1,011	\$ 9,102
MSI-5015	CRN	CRN Permanent Fence	\$ 5,043	\$ 504	\$ 4,539
MSI-1209R	FCCF	FCCF Receptacle Light Installation	\$ 12,336	\$ 1,234	\$ 11,102
MSI-5031	HPK	HPK SCE Trenching	\$ 12,623	\$ 1,262	\$ 11,361

Change Order Number	Site ID	Item/Category	Contract Sum - Payable Amount	10% Holdback Amount	Payable Amount Less 10% Holdback Amount
MSI-UNI-002	MMC	MMC Concrete Under Asphalt	\$ 9,765	\$ 977	\$ 8,789
MSI-UNI-003	MMC	MMC Electrical Power Conduits	\$ 2,703	\$ 270	\$ 2,433
Amendment No. 37 Subtotal			\$ 56,337	\$ 5,634	\$ 50,703
Amendment No. 38					
MSI-5017	PMT	PMT 2nd GeoTechnical Engineering Services	\$ 23,626	\$ 2,363	\$ 21,263
MSI-5030	UCLA	UCLA ACM and LCP Testing Services	\$ 4,725	\$ 473	\$ 4,253
MSI-UNI-004	FCCF	FCCF Relocated Prime Site Equipment		\$ -	\$ -
MSI-5038	SGH	SGH Barrel Tile Roof	\$ 6,843	\$ 684	\$ 6,159
MSI-5021	SGH	SGH NB CX Stand Down Costs	\$ 7,652	\$ 765	\$ 6,887
MSI-5046	DPW38	DPW38 LCP Testing	\$ 2,363	\$ 236	\$ 2,127
MSI-5043	VPK	VPK Tower Foundation	\$ 34,102	\$ 3,410	\$ 30,692
MSI-5006	VPK	VPK Power Run	\$ 50,027	\$ 5,003	\$ 45,024
MSI-UNI-005	VPK	VPK Retaining Wall Credit	\$ (68,141)	\$ (6,814)	\$ (61,327)
MSI-UNI-006	LACFDEL	LACFDEL Reuse of Existing Shelter	\$ (121,819)	\$ (12,182)	\$ (109,637)
MSI-5024	MIR	MIR Additional Topography	\$ 2,205	\$ 221	\$ 1,985
MSI-5061	MDI	MDI 2nd GeoTechnical Engineering Services	\$ 7,588	\$ 759	\$ 6,829
MSI-5028	MDI	MDI Underground Utility Locator	\$ 756	\$ 76	\$ 680
MSI-5029	MDI	MDI Addition Topo Survey	\$ 2,100	\$ 210	\$ 1,890
MSI-5050	WWY	WWY Native American Monitoring	\$ 580	\$ 58	\$ 522
Amendment No. 38 Subtotal			\$ (47,393)	\$ (4,739)	\$ (42,654)
Amendment No. 39					
MSI-5073	AGH	AGH Encroachment Permit Fee	\$ 4,807	\$ 481	\$ 4,326
MSI-5045	CCB	CCB Abatement and Remediation Work	\$ 13,125	\$ 1,313	\$ 11,813
MSI-5076	LACFDEL	LACFDEL New Phase 1 Work_Rev.1	\$ 43,271	\$ 4,327	\$ 38,944
MSI-5068	SPH	SPH Lease Exhibit Option_Rev.1	\$ 1,065	\$ 107	\$ 959
MSI-5063	UNIV	UNIV Recuperation of Cost for Day Tank for Cancelled Site	\$ 11,338	\$ 1,134	\$ 10,204
Amendment No. 39 Subtotal			\$ 73,606	\$ 7,361	\$ 66,245
Amendment No. 41					
MSI-5071	RIH	Location Change	\$ 37,705	\$ 3,771	\$ 33,935
MSI-5070	UNIV	New Phase 1 Work	\$ 51,024	\$ 5,102	\$ 45,922
MSI-5069	RPV1	New Phase 1 Work	\$ 54,696	\$ 5,470	\$ 49,226
MSI-5042	INDWT	Request for Road Repairs	\$ 14,425	\$ 1,443	\$ 12,983
MSI-5067	RHT	ACM/LCP Testing and Monitoring	\$ 1,697	\$ 170	\$ 1,527
MSI-5066	SPH	RF Engineering Coverage Assessment/Maps	\$ 12,672	\$ 1,267	\$ 11,405
MSI-5072	LMR	Addition of Microwave Link from BHS to SPH	\$ 22,740	\$ 2,274	\$ 20,466
MSI-5078	CPK	Additional Ice Bridge	\$ 1,975	\$ 198	\$ 1,778
MSI-5081	LMR	LARTCS VHF Frequency Changes	\$ 48,041	\$ 4,804	\$ 43,237
MSI-5087	MTL2	Road Repair Design	\$ 11,000	\$ 1,100	\$ 9,900
Amendment No. 41 Subtotal			\$ 255,975	\$ 25,598	\$ 230,378
Amendment No. 43 and Amendment No. 44					
MSI-6017	RIH	Addition of Microwave Link	\$ 51,604	\$ 5,160	\$ 46,444
MSI-6016	SPH	Addition of Microwave Link	\$ 61,638	\$ 6,164	\$ 55,474
MSI-6015	UNIV	Addition of Microwave Link	\$ 74,711	\$ 7,471	\$ 67,240
Amendment No. 43 and Amendment No. 44 Subtotal			\$ 187,953	\$ 18,795	\$ 169,158
Amendment No. 45					
MSI-6018	LPC	Environmental Phase II Limited Subsurface Investigation	\$ 19,740	\$ 1,974	\$ 17,766
MSI-6019	MML	Environmental Phase II Limited Subsurface Investigation	\$ 19,310	\$ 1,931	\$ 17,379
Amendment No. 45 Subtotal			\$ 39,050	\$ 3,905	\$ 35,145
Amendment No. 46					
MSI-6043	POM	Asbestos Abatement Services	\$ 330,000	\$ 33,000	\$ 297,000
MSI-6030	JPk/RHT/VPK	Tower Top Amplifier Upgrade for Early Deployment Site Transition	\$ 45,728	\$ 4,573	\$ 41,155
Amendment No. 46 Subtotal			\$ 375,728	\$ 37,573	\$ 338,155

Change Order Number	Site ID	Item/Category	Contract Sum - Payable Amount	10% Holdback Amount	Payable Amount Less 10% Holdback Amount
Amendment No. 47					
MSI-6023	LARICS	LMR System Reconciliation - Engineering & Re-Racking Services	\$ 174,641	\$ 17,464	\$ 157,177
MSI-6045	ONK	Add ONK Prime Site and ASR	\$ 438,279	\$ 43,828	\$ 394,451
MSI-6040	RIH	Soil Removal	\$ 41,676	\$ 4,168	\$ 37,508
MSI- 6031	BHS	Soil Removal	\$ 41,577	\$ 4,158	\$ 37,419
MSI-6042	LPC	Soil Removal	\$ 41,854	\$ 4,185	\$ 37,668
MSI-6041	MDI	Soil Sampling	\$ 10,134	\$ 1,013	\$ 9,120
MSI-6034	RHT	Additional Topography	\$ 3,733	\$ 373	\$ 3,360
Amendment No. 47 Subtotal			\$ 751,893	\$ 75,189	\$ 676,704
Amendment No. 48					
MSI-6064	AGH	Easement Payment	\$ 4,055	\$ 406	\$ 3,650
MSI-6062	TOP	Monopole Painted Neutral Brown	\$ 6,104	\$ 610	\$ 5,494
MSI-6050	LARICS	Core and Site Router/Switch Upgrade	\$ -	\$ -	\$ -
Amendment No. 48 Subtotal			\$ 10,159	\$ 1,016	\$ 9,143
Amendment No. 49					
MSI-6061	Various	New Antenna Models and Powder Coating	\$ 110,000	\$ 11,000	\$ 99,000
MSI-6067	MTL2	Removing impediments to road access caused by erosion to the site road, etc	\$ 260,007	\$ 26,001	\$ 234,006
MSI-6069	LARICS	Audio Loopback	\$ -	\$ -	\$ -
Amendment No. 49 Subtotal			\$ 370,007	\$ 37,001	\$ 333,006
Amendment No. 50					
MSI-6076	PRG/AGH	PRG Relocation to AGH for NMDN System	\$ 13,678	\$ 1,368	\$ 12,310
MSI-6077	PRG	VIAMM Implementation	\$ 38,615	\$ 3,862	\$ 34,754
MSI-6086	BJM/TWR	BJM & TWR Generator Noise Mitigation Engineering Assessment Services	\$ 221,211	\$ 22,121	\$ 199,090
MSI-6079	MML	MML Buried Concrete and Rebar Removal	\$ 101,604	\$ 10,160	\$ 91,444
Amendment No. 50 Subtotal			\$ 375,108	\$ 37,511	\$ 337,597
Amendment No. 51					
MSI-6094	FCCF/PLM	Leased Fiber Link between FCCF and PLM	\$ 23,977	\$ 2,398	\$ 21,579
MSI-6096	CCB	Microwave Installation Modification	\$ -	\$ -	\$ -
Amendment No. 51 Subtotal			\$ 23,977	\$ 2,398	\$ 21,579
TOTAL FOR ALL LMR CHANGE ORDER MODIFICATIONS			\$ 2,685,878	\$ 268,588	\$ 2,417,290

Note 1: The above identified Change Order Modifications have been fully negotiated between the Authority and the Contractor, and the above amounts represent a full and final resolution of all changes contained in those identified Change Order Modifications.



LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

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SCOTT EDSON
EXECUTIVE DIRECTOR

January 7, 2021

LA-RICS Board of Directors
Los Angeles Regional Interoperable Communications System Authority (the "Authority")

Dear Directors:

AMENDMENT NO. 29 TO THE PROJECT AND CONSTRUCTION MANAGEMENT SERVICES AGREEMENT

SUBJECT

Board approval is requested to authorize the Executive Director to execute Amendment No. 29 with Jacobs Project Management Co. (Jacobs) to reflect an increase in environmental professional services work for a cost increase in the amount of \$2,524,771.

RECOMMENDED ACTION

It is recommended that your Board:

1. Find that the proposed Amendment No. 29 with Jacobs for environmental professional services is not subject to the California Environmental Quality Act (CEQA) because it is not defined as a project under CEQA and does not have the potential for causing a significant effect on the environment.
2. Approve Amendment No. 29, substantially similar in form to the (Enclosure), which contemplates revising the Agreement with Jacobs to increase environmental work as follows:
 - a. Include all work necessary to implement environmental Mitigation Monitoring and Reporting Plan (MMRP) work for the Land Mobile Radio (LMR) program for a cost increase in the amount of \$2,362,855.
 - b. Include certain Visual Impact Assessment Quality Mitigation Measure (VIAMM) services in connection with the MMRP for a cost increase in the amount of \$97,914.
 - c. Include certain Soils Management services to be provided on an as-needed bases for a cost increase in the amount of \$64,002.

3. Approve an increase to the Maximum Contract Sum by \$2,524,771 from \$64,806,363 to \$67,331,134 when taking revisions contemplated in Amendment No. 29 into consideration.
4. Delegate authority to the Executive Director to execute Amendment No. 29, in substantially similar form, to the enclosed Amendment (Enclosure).
5. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 29.

BACKGROUND

On March 29, 2016, your Board certified the Final Environmental Impact Report (EIR) for the LMR Project. Under the California Environmental Quality Act (CEQA), your Board adopted mitigation measures as a condition of LMR project approval to avoid or substantially lessen significant environmental impacts of the LMR Project. Moreover, your Board also adopted a Mitigation Monitoring Program (MMP) to aid the Authority in its implementation and monitoring of the adopted mitigation measures. The LMR MMP provided means to implement and monitor the adopted mitigation measures for the LMR Project.

In connection with the MMP, on June 1, 2017, your Board approved Amendment No. 27 to Agreement No. LA-RICS 007 with Motorola Solutions, Inc. (Motorola) for a contract deliverable value of \$2,912,356 for the LMR System to include MMRP work for the LMR System as part of the Authority's need to comply with all applicable CEQA mandates contemplated in the EIR.

Until recently, Motorola provided all the requisite MMRP work ensuring the Authority's compliance with environmental regulations under CEQA at twenty-one (21) sites and provided monitoring through construction at eight (8), which are yet to be completed. However, the need exists to transition this MMRP and related work as Motorola has reached the not-to-exceed amount for this environmental work.

As Jacobs currently has environmental scope in its Agreement, has the requisite subject matter experts necessary to seamlessly transition and carry out the MMRP work at the remaining twenty-three (23) sites, and currently provides oversight to the MMRP program, the Authority is seeking your Board's approval to amend the Jacobs Agreement as set forth in the recommended actions.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended actions is to authorize the Executive Director to execute Amendment No. 29, which contemplates an increase in environmental work for by \$2,524,771.

Immediate transition is necessary to ensure seamless continuation of MMRP work required for the LMR System build at the remaining twenty-three (23) sites. Moreover, the remaining twenty-three (23) sites include some of the most complex sites from a monitoring perspective as they are the Coastal sites (including Catalina) and the United States Forest sites, all of which have longer duration periods and require intensive monitoring requirements.

Additionally, Jacobs' unique familiarity with the environmental processes required for the LMR project allows for a seamless transition. Moreover, transitioning certain VIAMM (e.g. concrete staining) and certain soils management services (e.g. overseeing soil hauling and disposal) to Jacobs allow for efficiencies to be gained in both time and costs.

FISCAL IMPACT/FINANCING

The work contemplated in Amendment No. 29 will increase the Maximum Contract by \$2,524,771 from \$64,806,363 to \$67,331,134. All work contemplated in Amendment No. 29 shall be fully reimbursed by the Urban Area Security Initiative (UASI) grant.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

The Counsel to the Authority has reviewed the recommended actions.

CONCLUSION

Upon the Board's approval of the recommended actions, the Executive Director will have delegated authority to proceed in a manner described in the recommended actions.

Respectfully submitted,



SCOTT EDSON
EXECUTIVE DIRECTOR

JA

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Enclosure

cc: Counsel to the Authority

**AMENDMENT NUMBER TWENTY-NINE
TO
AGREEMENT FOR CONSULTANT SERVICES**

RECITALS

This Amendment Number Twenty-Nine ("Amendment No. 29") is entered into by and between the Los Angeles Regional Interoperable Communications System Authority ("Authority") and Jacobs Project Management Co. ("Consultant"), effective as of January _____, 2021, based on the following recitals:

WHEREAS, Authority and Consultant have entered into that certain Agreement for Consultant Services, dated as of March 29, 2012 (together with all attachments and appendices thereto, all as amended prior to the date hereof, the "Agreement").

WHEREAS, the Agreement has been previously amended by Amendment Number One, effective as of May 15, 2012, to engage Consultant to perform certain work under Preliminary Phase, which was originally contemplated under Phase 1, and to adjust the Consultant's Staffing Plan accordingly, all as further described in Amendment Number One.

WHEREAS, the Agreement has been previously amended by Amendment Number Two, effective as of June 4, 2012, to engage the Consultant to perform certain work under Preliminary Phase, which was originally contemplated under subsequent phases, and to adjust Consultant's Staffing Plan accordingly, all as further described in Amendment Number Two.

WHEREAS, the Agreement has been previously amended by Amendment Number Three, effective as of July 2, 2012, to engage the Consultant to perform certain work under Preliminary Phase, which was not originally contemplated and constituted new scope, and to adjust Consultant's Staffing Plan, resource level effort, and additional costs accordingly, all as further described in Amendment Number Three, which increased the Maximum Contract Sum by \$1,546,933 from \$20,871,260 to \$22,418,193.

WHEREAS, the Agreement has been previously amended by Amendment Number Four, effective as of September 21, 2012, to engage the Consultant to perform certain work under the Preliminary Phase, which was originally contemplated under subsequent phases, and to adjust Consultant's Staffing Plan accordingly, all as further described in Amendment Number Four.

WHEREAS, the Agreement has been previously amended by Amendment Number Five, effective as of January 1, 2013, to reallocate the level of effort between LTE Project activities and LMR Project activities, and to adjust Consultant's Staffing Plan accordingly to reflect the reallocation of such levels of effort, all as further described in Amendment Number Five.

WHEREAS, the Agreement has been previously amended by Amendment Number Six, effective as of May 31, 2013, to include work for Negotiation and Outreach activities for both the LMR and LTE Systems, to reallocate the level of effort between the

Preliminary Phase and subsequent phase activities for the LMR and LTE Systems, and to adjust Consultant's Staffing Plan accordingly to reflect the reallocation of such levels of effort, all as further described in Amendment Number Six.

WHEREAS, the Agreement has been previously amended by Amendment Number Seven, effective as of September 5, 2013, to separate the Scope of Work into two separate projects, defined as the LMR System project and the LTE System project, to make revisions to the Agreement as necessary to reflect such two separate projects, to add additional work to Phase 1 of the LMR System project and the Preliminary Phase of the LTE System project, which was not previously contemplated and constituted new scope, and adjust Consultant's Staffing Plan, associated resource levels of effort, and additional cost accordingly to reflect two LA-RICS projects, all as further described in Amendment Number Seven, which increased the Maximum Contract Sum by \$4,889,427 from \$22,418,193 to \$27,307,620.

WHEREAS, the Agreement has been previously amended by Amendment Number Eight, effective as of December 12, 2013, (a) to include work to deliver certain LTE Project Description documents for 232 project sites in the LTE System, (b) to reallocate the level of effort between the Preliminary Phase and Phase 1 activities for the LTE System, and (c) to adjust Consultant's Staffing Plan accordingly to reflect the reallocation of such levels of effort, all as further described in Amendment Number Eight, which corrected the Maximum Contract Sum to \$27,317,585.

WHEREAS, the Agreement has been previously amended by Amendment Number Nine, effective as of March 11, 2014, to (a) perform certain environmental work including but not limited to, preparing and delivering a CEQA-compliant Environmental Impact Report (EIR) and a NEPA-compliant Environmental Assessment (EA) as well as perform various biological and cultural resource surveys and reports for the LMR Project work under the LMR Project Phase 1, System Design, as described in the Scope of Work, (b) adjust the Appendix A-2 (Staffing Plan) accordingly, and (c) increased the Maximum Contract Sum to account for the scope of work in the amount of \$2,862,080 from \$27,317,585 to \$30,179,665.

WHEREAS, the Agreement has been previously amended by Amendment Number Ten, effective May 14, 2014, to reallocate the level of effort between phases of the LMR Project, and to adjust Appendix A-2 (Staffing Plan) accordingly to reflect the reallocation of such levels of effort.

WHEREAS, the Agreement has been previously amended by Amendment No. Eleven, effective as of June 5, 2014, to (a) perform certain Cultural Resources environmental work as described in the Scope of Work due to the Authority's increased need for environmental support, and (b) to adjust Appendix A-2 (Staffing Plan) accordingly to reflect such levels of effort; and (c) increase the Maximum Contract Sum to account for the increase in scope of work in the amount of \$306,600 from \$30,179,665 to \$30,486,265.

WHEREAS, the Agreement has been previously amended by Amendment Number Twelve, effective August 21, 2014, to (a) perform certain environmental work for the LTE System project including, but not limited to, (1) conducting a CEQA statutory exemption analysis and prepare and deliver a Notice of Exemption, (2) preparing and delivering a supplemental NEPA-compliant Environmental Assessment (EA); and (3) increase the level of environmental compliance monitoring efforts to accommodate the compressed construction schedule; all of which is described in the Scope of Work due to the Authority's increased need for environmental support, (b) to adjust Appendix A-2 (Staffing Plan) accordingly to reflect such levels of effort; and (c) increase the Maximum Contract Sum to account for the increase in scope of work in the amount of \$2,011,080 from \$30,486,265 to \$32,497,345.

WHEREAS, the Agreement has been previously amended by Amendment Number Thirteen, effective December 31, 2014, to (a) revise Attachment A (Scope of Work) to clarify certain tasks associated with Federal and grant requirements as it relates to the Davis-Bacon Act, (b) to revise Appendix A-2 (Staffing Plan) to reflect an Agreement Budget; (c) revise Attachment B (Rate Schedule) to reflect new positions/staff; and (d) make other certain revisions contemplated in Amendment No. 13.

WHEREAS, the Agreement has been previously amended by Amendment Number Fourteen, effective April 16, 2015, to (a) revise Appendix A-2 (Agreement Budget) to reflect the shifting in funds between Phases 1 through 3 for the LMR System to remedy a staff planning error, and (b) to revise Attachment D (Administration of Agreement) to reflect changes in the Consultant's Key Personnel, with no increase to the Maximum Contract Sum.

WHEREAS, the Agreement has been previously amended by Amendment Number Fifteen, effective May 21, 2015, to (a) reduce the cost for LTE portion of work by \$789,120, to decrease the level of effort apportioned to the LTE project as proposed in the Authority's response to a Corrective Action Plan issued by the National Oceanic and Atmospheric Administration (NOAA) Grants Management Division, on behalf of the National Telecommunications and Information Administration (NTIA), following direction from the County of Los Angeles (County) and City of Los Angeles (City) to reduce the number of PSBN Sites; (b) from a portion of this reduced cost, increase the level of effort for outreach services by \$685,200 to communicate the projects purpose, needs and benefits, provide information about the sites within the impacted areas, and educate the public on important public safety aspects of the project; and (c) to revise Appendix A-2 (Agreement Budget) to reduce the Maximum Contract Sum by \$103,920 (\$789,120 - \$685,200), from \$32,497,345 to \$32,393,425, when taking the smaller scale PSBN project and increased level of outreach efforts into consideration.

WHEREAS, the Agreement has been previously amended by Amendment Number Sixteen, effective July 14, 2015, to (a) increase the level of staffing contemplated in the Agreement to ensure that Work related to the PSBN portion of the Agreement in regards to claims resolution are successfully completed; and (b) revise Appendix A-2

(Agreement Budget) to increase the Maximum Contract Sum by \$249,680 from \$32,393,425 to \$32,643,105, in accordance with the increased level of staffing.

WHEREAS, the Agreement has been previously amended by Amendment Number Seventeen, effective September 2, 2015, to (a) increase the scope of work and cost as it relates to the LMR System to perform certain environmental work, including but not limited to, (i) preparing and delivering nine (9) NEPA-compliant Environmental Assessment (EA) for broken down as follows: three (3) site-specific EAs for sites on non-Federal land and six (6) EAs for sites on federal land administered by six (6) different Federal agencies related to the Land Mobile Radio (LMR) System; (ii) perform the various biological and cultural resource (including historical, architectural history, archeological and/or paleontological) surveys, record search and reports required for the various EAs; (iii) increase the scope of environmental compliance monitoring to oversee and coordinate the activities of the LMR Contractor; (iv) all in the amount of \$3,442,250; (b) revise Attachment A (Scope of Work) to reflect the increased environmental work; (c) reallocate funds from subsequent phases to Phase 1 to continue Phase 1 LMR activities while environmental work is in progress in an amount of \$1,961,996; (d) reflect a reduction in costs by identifying various staff efficiencies in subsequent phases for a cost savings in the amount of \$2,443,700; and (e) revise Appendix A-2 (Agreement Budget) to reflect an increase in the Maximum Contract Sum by \$2,960,546, (\$3,442,250 + \$1,961,996 - \$2,443,700 when taking increases and cost savings into consideration) from \$32,643,105 to \$35,603,651, to contemplate the increased scope and level of effort related to the environmental work.

WHEREAS, this Agreement has been previously amended by Amendment Number Eighteen, effective September 10, 2015, to (a) increase in scope and level of effort for complete outreach activities for the LMR portion of the project, which includes, but is not limited to, outreach to communicate the projects purpose, needs and benefits, provide information about LMR sites within the impacted areas, educate stakeholder agencies and the public on important public safety aspects of the project, provide outreach associated with the CEQA/NEPA environmental component of the project; (b) revise Attachment A (Scope of Work) to reflect the increased outreach work; and (c) revise Appendix A-2 (Agreement Budget) to reflect an increase in the Maximum Contract Sum by a not to exceed amount of \$150,000 from \$35,603,651 to \$35,753,651, to contemplate the increased scope and level of effort related to the increased outreach activities for work performed from the effective date of Amendment No. 18 to October 1, 2015.

WHEREAS, the Agreement has been previously amended by Amendment Number Nineteen, effective October 9, 2015, to (a) reflect an increase in scope and level of effort for complete outreach activities for the LMR portion of the project, which includes, but is not limited to, outreach to communicate the projects purpose, needs and benefits, provide information about LMR sites within the impacted areas, educate stakeholder agencies and the public on important public safety aspects of the project, provide outreach associated with the CEQA/NEPA environmental component of the project; (b) revise Attachment A (Scope of Work) to reflect the increased outreach work; and (c)

revise Appendix A-2 (Agreement Budget) to reflect an increase in the Maximum Contract Sum by \$1,255,765 from \$35,753,651 to \$37,009,416, to contemplate the increased scope and level of effort related to the increased outreach activities.

WHEREAS, the Agreement has been previously amended by Amendment Number Twenty, effective April 26, 2016, to revise Appendix A-2 (Agreement Budget) to reflect the shifting in funds in the amount of \$139,902 between Phase 4 of the LMR System to Phase 4 of the Consultant's LTE System budget to ensure that the Consultant has sufficient funds for Work up to June 30, 2016, with no increase to the Maximum Contract Sum as the Authority has secured an informal no-cost BTOP Grant extension through this period. As such, the Maximum Contract Sum cannot be increased until such time as a formal grant budget augmentation is achieved.

WHEREAS, the Agreement has been previously amended by Amendment Number Twenty-One, effective July 13, 2016, to (a) revise Appendix A-2 (Agreement Budget) to shift funds in the amount of \$1,274,360 for the LMR project of the Agreement for Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), Phase 4 (System Implementation) to Phase 1 (System Design) to ensure the Jacobs contract has sufficient funds to cover Phase 1 activities due to extended design activities related to certain federal sites; (b) revise Appendix A-2 (Agreement Budget) to reflect an increase in the amount of \$369,541 for LTE Work related to the development of the Round 2 buildout of the PSBN for July 2016 through September 2016; (c) revise Attachment B (Rate Schedule) to reflect changes to Jacobs staffing, and (d) to revise Attachment D (Administration of Agreement) to reflect changes in Jacobs management assigned to the LA-RICS project; (e) increase the Maximum Contract Sum by \$369,541 for the LTE project of the Agreement Budget from \$37,009,416, to \$37,378,957 to contemplate the increased scope and level of effort related to development of the PSBN Round 2 buildout.

WHEREAS, the Agreement has been previously amended by Amendment Number Twenty-Two, effective November 17, 2016, to reflect the following: (a) continue assisting the Authority with the PSBN Warranty Period closeout work, which includes but is not limited to, continued project management services, negotiation support, finalization of site closeouts, review of documentation submissions, work associated with LASDCVS, and review of and implementation planning for upcoming network upgrades, until January 31, 2017, for a cost increase in the amount of \$480,000; (b) revise Appendix A-2 (Agreement Budget) to reflect an increase in the amount of \$480,000 for the work related to the PSBN Warranty Period closeout; and (c) increase the Maximum Contract Sum by \$480,000 from \$37,378,957, to \$37,858,957.

WHEREAS, the Agreement has been previously amended by Amendment No. Twenty-Three, effective January 25, 2017, to reflect the following: (a) continue assisting the Authority with the PSBN Warranty Period closeout work, which includes but is not limited to, continued project management services, negotiation support, finalization of site closeouts, review of documentation submissions, work associated with LASDCVS, and review of and implementation planning for upcoming network upgrades, until March 31,

2017, for a cost increase in the amount of \$240,000 (b) revise Appendix A-2 (Agreement Budget) to reflect an increase in the amount of \$240,000 for the work related to the PSBN Warranty Period closeout; and (c) increase the Maximum Contract Sum by \$240,000 from \$37,858,957 to \$38,098,957.

WHEREAS, the Agreement has been amended by Amendment Number Twenty-Four, effective March 20, 2017, to (a) revise Attachment B (Rate Schedule) to reflect an increase to the hourly rates by 2.4 percent to account for a Cost of Living Adjustment (COLA) in accordance with Section 3.4 of the Agreement effective January 1, 2017; (b) continue assisting the Authority with the PSBN Warranty Period closeout work, which includes but is not limited to, continued project management services, negotiation support, finalization of site closeouts, review of documentation submissions, review of and implementation planning for PSBN Upgrades and acceptance testing, until June 30, 2017, for a cost increase in the amount of \$309,000; (c) revise Appendix A-2 (Agreement Budget) to reflect an increase to the Maximum Contract Sum by \$309,000 from \$38,098,957 to \$38,407,957 when taking the cost increases including the increased hourly rates into consideration; and (d) make other certain changes as set forth Amendment No. 24.

WHEREAS, the Agreement has been amended by Amendment Number Twenty-Five, effective April 13, 2017, to (a) reflect an increase in the LMR System budget in the amount of \$17,755,447 to align with the LMR System Integrated Master Schedule (IMS) which contemplates achieving LMR Final System Acceptance and documentation closeout by Quarter 4 2020; (b) revise Appendix A-2 (Agreement Budget) to reflect an increase to the Maximum Contract Sum by \$17,755,447 from \$38,407,957 to \$56,163,404 when taking the LMR System budget alignment with the LMR Final System Acceptance into consideration; (c) revise Attachment B (Rate Schedule) to reflect changes to certain Consultant staffing positions; (d) revise Attachment D (Administration of Agreement) to reflect changes in management for the Authority and Consultant; and (e) make other certain changes as set forth in Amendment No. 25.

WHEREAS, the Agreement has been amended by Amendment Number Twenty-Six, effective June 14, 2018, (a) increase the scope of Work to assist the Authority with completing certain work contemplated in the Public Safety Broadband Network (PSBN) Round 2 Project Implementation Plan (PIP), in particular, assistance with the PIP objectives for Coverage Augmentation, Rapid Response Vehicles, and Application Interoperability; (b) reflect the inclusion of a corresponding budget in the amount of \$5,489,350 to account for the PSBN Round 2 PIP Work; (c) reflect the inclusion of a new Grants Analyst position in the amount of \$446,080 to assist the Authority with grant administration work; (d) revise Attachment B (Rate Schedule) to (1) reflect an increase to the hourly rates by 2.7 percent to account for a Cost of Living Adjustment (COLA) in accordance with Section 3.4 of the Agreement and (2) reflect changes in staff, in particular and among other changes, to the Program Director, Program Manager, and Deputy Program Manager; (e) revise Attachment D (Administration of Agreement) to reflect changes in Consultant's management; (f) reflect an increase to the Maximum Contract Sum by \$5,935,430 from \$56,163,404 to \$62,098,834 when taking the increases

contemplated in Amendment No. 26 into consideration; and (g) make other certain changes as set forth in Amendment No. 26.

WHEREAS, the Agreement has been amended by Amendment Number Twenty-Seven, effective July 3, 2018, to (a) reflect a reduction in the Scope of Work related to the Public Safety Broadband Network (PSBN) Round 2 Project Implementation Plan (PIP), in particular, the removal of the PIP objective for Application Interoperability; (b) reflect a decrease to the Maximum Contract Sum by \$59,200 from \$62,098,834 to \$62,039,634; and (c) make other certain changes as set forth in Amendment No. 27.

WHEREAS, the Agreement has been amendment by Amendment Number Twenty-Eight, effective February 24, 2020, to (a) revise Appendix A-2 (Agreement Budget) to reflect an increase in the level of effort for the Public Safety Broadband Network (PSBN) Round 2 Coverage Augmentation Objective and grant closeout Work through September 2020 in the amount of \$2,766,729; (b) reflect an increase to the Maximum Contract Sum by \$2,766,729 from \$62,039,634 to \$64,806,363; and (c) make other certain changes as set forth in Amendment No. 28.

WHEREAS, the Authority and Consultant desire to further amend the Agreement to (a) increase the scope of environmental work to include all work necessary to implement environmental Mitigation Monitoring and Reporting Plan (MMRP) work for the LMR program for a cost increase in the amount of \$2,362,855; (b) include certain Visual Impact Assessment Quality Mitigation Measure (VIAMM) tasks in connection with the MMRP for a cost increase in the amount of \$97,914; (c) include certain Management of Non-Clean Fill Export Soil services to be provided on an as-needed bases for a not-to-exceed amount of \$64,002; (d) increase to the Maximum Contract Sum by \$2,524,771 from \$64,806,363 to \$67,331,134; and (e) make other certain changes as set forth in this Amendment No. 29.

WHEREAS, this Amendment No. 29 is authorized under Paragraph 40 of the Agreement.

NOW THEREFORE, in consideration of the foregoing recitals, all of which are incorporated as part of this Amendment No. 29, and for other valuable consideration, the receipt and sufficiency of which are acknowledged, Authority and Consultant hereby agree as follows:

1. Capitalized Terms; Section References.

Capitalized terms used herein without definition (including in the recitals hereto), have the meanings given to such terms in the Agreement, as amended by this Amendment No. 29. Unless otherwise noted, section references in this Amendment No. 29 refer to sections of the body of the Agreement, as amended by this Amendment No. 29.

2. Increase Environmental Work to Include Mitigation Monitoring and Reporting Plan (MMRP) Work. The parties agree and acknowledge to increase the scope of environmental work to reflect the inclusion of Task 13 (Mitigation Monitoring and Reporting Plan). Consultant agrees to perform, and provide to the Authority, all corresponding work and deliverables necessary to assess and ensure the required environmental mitigation measures are implemented at the remainder of the LMR System sites scheduled for construction. Such MMRP work shall be performed pursuant to Attachment A (Scope of Work), as revised in this Amendment No. 29, in exchange for the costs set forth Appendix A-2 (Agreement Budget).
3. Include Certain Visual Impact Quality Mitigation Measures (VIAMM) Tasks. The parties agree and acknowledge to increase the scope to reflect the inclusion of Task 14 (Certain Visual Impact Quality Mitigation Measures (VIAMM) Tasks). Consultant agrees to perform, and provide to the Authority, all corresponding work and deliverables necessary to ensure the staining of vertical concrete masonry (CMU) walls or horizontal concrete flatwork in connection with the for the remainder of the LMR System sites scheduled for construction. Such VIAMM tasks shall be performed pursuant to Attachment A (Scope of Work), as revised in this Amendment No. 29, in exchange for the costs set forth Appendix A-2 (Agreement Budget).
4. Inclusion of Certain Management of Non-Clean Fill Export Soils Services. The parties agree and acknowledge to increase the scope to reflect the inclusion of Task 15 (Management of Non-Clean Fill Exported Soils). Consultant agrees to perform, and provide to the Authority, all corresponding work and deliverables necessary to oversee the management of non-clean fill soils that are exported from sites to a licensed facility for the remainder of the LMR System sites scheduled for construction on an as-needed basis. Such soils management services shall be performed pursuant to Attachment A (Scope of Work), as revised in this Amendment No. 29, in exchange for the costs set forth Appendix A-2 (Agreement Budget).
5. Amendments to Agreement.

Section 3.1, within Section 3 (Consideration) of the Agreement, is deleted in its entirety and is replaced by the following:

- 5.1 In consideration of the performance by Consultant in a manner satisfactory to Authority of the services described in Section 2 above, including receipt and acceptance of such work by Executive Director of the Authority or such person's designee (hereinafter called "Director"), Authority agrees to pay Consultant a maximum not-to-exceed sum of Sixty-Seven Million, Three Hundred Thirty-One Thousand, One Hundred Thirty-Four Dollars (\$67,331,134).

6. Amendments to Appendices and Attachments.

6.1 Attachment A (Scope of Work) to the Agreement is to include the following new tasks:

- Task 13 (Mitigation Monitoring and Reporting Plan)
- Task 14 (Certain Visual Impact Assessment Quality Mitigation Measures [VIAMM])
- Task 15 (Management of Non-Clean Fill Exported Soils)

The scope of the new tasks are enclosed with this Amendment No. 29 and incorporated herein by this reference.

6.2 Appendix A-2 (Agreement Budget) to the Agreement is hereby deleted in its entirety and is replaced by Appendix A-2 (Agreement Budget), dated January 2021, attached to this Amendment No. 29 and incorporated herein by this reference, to reflect changes in the contract value.

6.3 Attachment B (Rate Schedule) to the Agreement is hereby deleted in its entirety and is replaced by Attachment B (Rate Schedule), dated January 2021, attached to this Amendment No. 29 and incorporated herein by this reference, which reflects the inclusion of Environmental Monitor rates.

7. This Amendment No. 29 shall become effective as of the date identified in the recitals, which is the date upon which:

- 7.1 An authorized officer of Consultant has executed this Amendment No. 29;
- 7.2 The Authority's Board of Directors has authorized the execution of this Amendment No. 29, if required;
- 7.3 Los Angeles County Counsel has approved this Amendment No. 29 as to form; and
- 7.4 The Executive Director of the Authority has executed this Amendment No. 29.

8. Except as expressly provided in this Amendment No. 29, all other terms and conditions of the Agreement shall remain the same and in full force and effect.

9. Consultant and the person executing this Amendment No. 29 on behalf of Consultant represent and warrant that the person executing this Amendment No. 29 for Consultant is an authorized agent who has actual authority to bind Consultant to each and every term and condition of the Agreement, as amended by this Amendment No. 29, and that all requirements of Consultant to provide such actual authority have been fulfilled.

10. This Amendment No. 29 may be executed in one or more original or facsimile counterparts, all of which when taken together shall constitute one in the same instrument.
11. This Amendment No. 29 shall be governed by, and construed in accordance with, the laws of the State of California applicable to agreements made and to be performed within that State.

* * *

IN WITNESS WHEREOF, the parties hereto have caused this Amendment No. 29 to be executed on their behalf by their duly authorized representatives, effective as of the date first set forth above.

LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY

JACOBS PROJECT MANAGEMENT CO.

By: _____

Scott Edson
Executive Director

By: _____

Issam Khalaf
Vice President
West Division PMCM

APPROVED AS TO FORM FOR THE
LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY:

RODRIGO A. CASTRO-SILVA
Acting County Counsel

By: _____

Truc L. Moore
Principal Deputy County Counsel

13. Mitigation Monitoring and Reporting Plan (MMRP)

The Consultant shall provide certain Mitigation Monitoring and Reporting Plan (MMRP) services to COMPLETE ALL WORK at the remaining LMR System Sites based on the accepted Integrated Master Schedule and/or iterative, updated, or monthly schedules from the LMR Contractor (hereafter collectively referred to as the "Accepted LMR System Schedule").

Additionally, the Consultant is responsible and shall ensure there are no schedule delays to the Accepted LMR System Schedule as a result of Consultants performance of any MMRP work, inclusive of any Visual Impact Assessment Quality Mitigation Measures (VIAMM) work as set forth in Task 14, and Soils Management work as set forth in Task 15. All MMRP, VIAMM, Soils Management work shall be scheduled and performed within the Accepted LMR System Schedule.

The Authority shall compensate Consultant on a fixed price basis of MMRP work and VIAMM services, whereas Soils Management services will be on performed on an as-needed basis, all work will however be performed within the not-to-exceed contract amounts allocated pursuant to Appendix A-2 (Agreement Budget). Consultant shall COMPLETE ALL WORK at the remaining LMR System Sites for the not-to-exceed amounts set forth in Appendix A-2 (Agreement Budget).

Task 13.1: Mitigation Monitoring and Reporting Plan (MMRP) (also referred to as the Environmental Protection Program)

The Mitigation Monitoring and Reporting Plan (MMRP) implements the Authority's environmental commitments, including those made in the Mitigation Monitoring Plan adopted by the Authority's Board of Directors when it certified the California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) for the LA-RICS LMR project. This MMRP effort consists of five (5) tasks, and includes three (3) contingencies as further described in this Task 13.

The Consultant will include in the MMRP implementation the following minimum considerations:

- a. Exhibit 1, Preconstruction Checklist (example)
- b. Exhibit 2, Preconstruction Survey Form (example)
- c. Exhibit 3, Daily Biological Monitoring Report (example)
- d. Exhibit 4, Daily Cultural Monitoring Report (example)
- e. Exhibit 5, Weekly Report – which may be submitted as part of a larger report (example)
- f. Exhibit 6, Mitigation Measures, dated 10/27/2016
- g. Exhibit 7, Site-Specific Anticipated Monitoring and Pre-Construction Requirements

Deliverable 13.1: Delivery of the MMRP.

The following Subtasks will be delivered for Task 13.1 (Mitigation Monitoring Reporting Plan):

- 13.1.1 Worker Environmental Awareness Program (WEAP) (BIO MM 2).
- 13.1.2 Final MMRP (including Communication Plan) (BIO MM 1).
- 13.1.3 Paleontological Resources Monitoring Report (CUL MM 6).

This is contemplated as a memorandum for record authored by the project Principal Paleontologist to document negative findings associated with paleontological resources for the LA-RICS project. It would include an attachment of all daily monitoring reports completed by paleontological monitors through the life of the project.

Task 13.2: Worker Environmental Awareness Program (WEAP)

The Consultant will execute the WEAP training for project team members throughout the life of the project in order to comply with BIO MM 2. Except as excluded by the Authority's Environmental Lead, all on-site personnel performing work in Phase 2-4 will be WEAP trained prior to accessing LMR site(s). The WEAP training will be conducted by an approved Biologist and Archaeologist in Authority-approved facilities or via a virtual classroom medium (e.g., Microsoft Teams).

Deliverable 13.2: Deliver WEAP presentation

The Consultant will track WEAP attendance and issue WEAP hardhat stickers that evidence attendance.

Task 13.3: Monitoring, Surveys, and Reporting

The following Subtasks will be performed for Task 13.3 (Monitoring, Surveys, and Reporting):

- 13.3.1 The Consultant will perform pre-construction surveys, environmental monitoring, and reporting survey and monitoring efforts to comply with all applicable MMRP requirements for each LMR site (as identified in Exhibit 6 and Exhibit 7). The Consultant will make all efforts to perform monitoring work as efficiently as possible. The Consultant will endeavor to ensure the monitoring and pre-construction survey efforts are coordinated with the Accepted LMR System Schedule and integrated into the Contractor's construction management activities, including but not limited to verifying that appropriate pre-construction surveys are performed when needed and appropriate monitoring personnel are on site when required for MMRP implementation. All daily monitoring reports and pre-construction survey reports must be furnished to the Authority within 24 hours of completion of monitoring/survey efforts.

- 13.3.2 Monitoring and survey efforts are primarily focused on construction activity (i.e., throughout Phase 2), but limited monitoring (e.g., for desert tortoise at Site DPW38 as identified in BIO MM 25) would also be required through some aspects of installation of equipment and optimization activities through Phase 4.
- 13.3.3 The fixed price contemplates biological / cultural / Native American / paleontological monitor, and biological surveyor, as defined in Subtasks 13.4 (Daily Monitoring Deliverables) and includes drive time and mileage to and from the site, lodging, meals and all Other Direct Costs (ODCs) necessary to accomplish the work. The Consultant will complete daily biological monitoring reports, daily cultural/paleontological monitoring reports, and pre-construction survey reports for each day the activity is performed at each site.

Task 13.4: Daily Monitoring Deliverables

The following Subtasks will be delivered for Task 13.4 (Daily Monitoring Deliverables). Deliverables associated with monitoring or survey include:

- 13.4.1 BIO MM 8, biological monitoring daily report.
- 13.4.2 BIO MM 20, Santa Catalina Island fox, with pre-construction survey report.
- 13.4.3 CUL MM 1, cultural monitoring daily report.
- 13.4.4 CUL MM 1, cultural monitoring daily report (Native American monitoring).
- 13.4.5 CUL MM 2, historic archaeological monitoring.
- 13.4.6 CUL MM7, paleontological monitoring.

Task 13.5: Weekly Reports

The Consultant will submit weekly reports, similar to Exhibit 5 (Weekly Report), that will include a summary sheet and all daily monitoring forms and survey reports developed the prior week. Weekly reports will be furnished to the Authority each week. Reports will be considered timely if received no later than close of business on the Thursday following the reported work week.

The following Subtasks will be delivered for Task 13.5 (Weekly Reports).

Deliverables associated with weekly reports include:

- 13.5.1 Weekly reports that include all pre-construction survey and monitoring reports developed for the previous week.

Deliverable 13.3: Deliver Monitoring, Surveys, and Reporting.

Task 13.6: Post-Discovery Monitoring

Some monitoring activities are currently unknown, but may be anticipated as potentially necessary. These include biological monitoring after nesting birds have been identified on site, and inadvertent discovery of cultural/paleontological materials.

The following Subtasks may be performed for Task 13.6 (Post-Discovery Monitoring)

13.6.1 Monitoring After Discovery of Nesting Birds

The Consultant will supply qualified avian biologist(s) to monitor site(s) where active bird nests have been identified within the regulated buffer, or to remove inactive nests, when pre-approved by the Project Biologist (see BIO MM 18).

Deliverables associated with Monitor After Discovery of Nesting Birds include:

13.6.1.1 BIO MM 18, biological monitoring daily report.

Task 13.7: Monitoring After Unexpected Discoveries of Archaeological or Paleontological Materials.

The Consultant will supply qualified archaeologist(s), Native American monitor(s), and/or paleontologist(s) to monitor site(s) where unexpected discoveries of archaeological or paleontological materials have been made.

Deliverables associated with Monitoring After Unexpected Discoveries of Archaeological or Paleontological Materials include:

13.7.1 CUL MM 3, CUL MM 7, cultural monitoring daily report

Task 13.8: Unexpected Discoveries of Paleontological Materials.

Upon approval by the Project Archaeologist and prior receipt of written NTP from the Authority, the Consultant will provide a Principal Paleontologist possessing the qualifications required by the Society of Vertebrate Paleontology (SVP), qualified paleontological field monitor(s), and all equipment (including buckets, water for wet screening, electrical or manual screening equipment, etc.) necessary to investigate a single site where unexpected discoveries of paleontological materials have been made. Curation fees for up to one cubic feet of will be borne by the Consultant.

Deliverables associated with Unexpected Discoveries of Paleontological Materials include:

13.8.1 CUL MM 7, Paleontological Resources Monitoring Report. The Principal Paleontologist will prepare a draft and final Paleontological Resources Monitoring Report and

prepare and curate all fossil materials at the Natural History Museum of Los Angeles County Department of Vertebrate Paleontology (LACM-VP).

Task 14: Certain Visual Impact Assessment Mitigation Measures (VIAMM) Services

The Consultant will implement a specific portion of the VIAMMs. This work consists of staining of vertical exterior concrete masonry unit (CMU) surfaces, and when visible from above, horizontal surfaces of concrete flatwork using a non-toxic color-fast stain. All other VIAMM requirements (e.g., color treatment of HVAC covers, doors, generator, fuel tank, towers, fences, etc.), is being accomplished the System Contractor and is not included in this scope.

Deliverable Task 14: Photographic Documentation of Completed Concrete Staining Work

Upon completion of the concrete staining work, the Consultant will develop and archive a photo log of all surfaces stained under Task 15 (Certain Visual Impact Assessment Mitigation Measures (VIAMM) Services) for each site.

Task 15: Management of Non-Clean Fill Exported Soils

The Consultant will oversee management of non-clean fill soils that are exported from sites to a licensed facility, in accordance with existing Authority-approved Soil Management Plans developed for sites on an as-needed basis. The Consultant will work with the Authority's LMR Contractor to schedule export soils removal from individual sites. The Consultant will oversee specialist firms that will manifest and schedule hauling of exported soils to a licensed facility. The Consultant's staff will be responsible for initial signing of manifests, handoff to drivers for each truckload of soils removed from the site, and archiving manifests signed by approved receiving facilities. This task specifically excludes the ODCs associated with haul and disposal of exported soils. The costs for the haul and disposal will be allocated to a separate contingency account that will be set up for the specific purpose and exercised on an as-needed basis pursuant to Appendix A-2 (Agreement Budget).

Deliverable Task 15: Completed Manifests

The Consultant will archive manifests of all export soils removed under Task 15 (Management of Non-Clean Fill Exported Soils) for each site.

AGREEMENT BUDGET**LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEMS**

LMR SYSTEM	
Phase 0 – Preliminary Phase – Project Startup	\$2,341,038
Phase 1 – System Design	\$19,904,271
Phase 2 – Site Construction and Site Modification	\$10,819,585
Phase 3 – Supply LMR System Components	\$433,020
Phase 4 – System Implementation	\$10,530,378
Phase 5 – System Maintenance	-
Mitigation Monitoring and Reporting Plan (MMRP) Work	\$2,362,855
Visual Impact Assessment Quality Mitigation Measures (VIAMM) Work	\$97,914
As-Needed Management of Non-Clean Fill Exported Soils	\$64,002
LMR System Other Direct Costs	\$850,050
Grants Analyst	\$223,040
LMR System Total	\$47,626,153

LTE SYSTEM	
Phase 0 – Preliminary Phase – Project Startup	\$1,434,602
Phase 1 – System Design	\$1,191,912
Phase 2 – Site Construction and Site Modification	\$5,288,848
Phase 3 – Supply LTE System Components	\$499,790
Phase 4 – System Implementation	\$2,281,777
Phase 5 – System Maintenance	-
LTE System Other Direct Costs	\$588,133
LTE System Total	\$11,285,062

PUBLIC SAFETY BROADBAND NETWORK (PSBN) ROUND 2 PROJECT IMPLEMENTATION PLAN (PIP) WORK	
PSBN Round 2 PIP Work	\$5,430,150
PSBN Round 2 Work	\$2,766,729
Grants Analyst	\$223,040
PSBN Round 2 PIP Work Total	\$8,419,919

MAXIMUM CONTRACT SUM	\$67,331,134
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ATTACHMENT B RATE SCHEDULE

Los Angeles Regional Interoperable Communications Systems
(LA-RICS) – Rate/Position Schedule: January 2021

Position	Name	Rate
Program Director	Chris Odenthal	\$189
Program Manager	Justin Delfino	\$189
Deputy Program Manager	Tanya Roth	\$179
Senior Project Manager – Construction	Riad El Masri	\$174
Senior Project Manager – Environmental	Jim Hoyt	\$174
Senior Project Manager –Technology	Vacant	\$174
Document Control	Marina Khounthavong	\$69
Administration	Nadine Luscombe	\$58
Project Manager – Entitlements	Vacant	\$168
Project Manager – Implementation	Vacant	\$154
Change Management Lead	Evan Qiuxingyu	\$89
Environmental Lead	Carl Rykaczewski	\$168
Environmental Lead	Vacant	\$168
Environmental Subject Matter Expert	Bruce Palmer	\$168
Environmental Subject Matter Expert	Paige Peyton	\$168
Environmental Subject Matter Expert	Jason Walsh	\$168
Environmental Monitor	Field MMRP Staff	\$120
Senior Specialist	Brian Weith	\$158
Senior Specialist	David Charlton	\$158
Senior Specialist	Jeff Berna	\$158
Specialist	Paul Gamarra	\$137
GIS/Graphics Specialist	Andy Priest	\$137
GIS/Graphics Specialist	Vacant	\$137
Technical Editor	Linda St. John	\$105
System Design – Backbone Network	Walter "Tim" Rabbit	\$163
System Design – RF Network	Fritz Rote	\$163
Supply and Staging – Site Equipment	Angel Chau	\$168
Team Leader – P.E. Technology	Rafael Santillan	\$163
Team Leader – P.E. Construction	Michael Laughlin	\$163
Electrical Engineer	Michael Molinari	\$116
Structural Engineer	Sean O'Sullivan	\$139
Project Engineer Field Team – Technology	Dan Walker	\$158
Project Engineer Field Team – Site/Civil	Eric Steinberger	\$158
Project Engineer Field Team – Site/Civil	Vacant	\$158
Project Engineer Field Team – Site/Civil	Richard Gutierrez	\$158
Contract Administration – Internal	Sara Alvarez	\$168
Community Outreach Support	Vacant	\$205
Site Access/Zoning	Vacant	\$116
Scheduling	Vacant	\$149
Program Controls Manager	Vacant	\$174
System Manager – LMR	Steven Page	\$168
System Manager – LTE	Rosalyn Knowlton	\$168

ATTACHMENT B
Amended and Restated Under Amendment No. 29 (January 2021)

Position	Name	Rate
Construction Manager – Site/Civil	Vacant	\$158
Environmental Subcontract	Vacant	\$205
Site Assessment	Vacant	\$149
Constructability/Design Review	Vacant	\$149
Scheduler Support	Vacant	\$137
Estimating	Robert Petri	\$149
Warranty Support	Vacant	\$168
Labor Compliance	Vacant	\$158
Grant Analyst	Vanessa Montes	\$82