



AGENDA

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

BOARD OF DIRECTORS MEETING

Thursday, August 3, 2017 • 9:00 a.m.

Los Angeles County Sheriff's Department
The Hertzberg Davis Forensic Science Center
1800 Paseo Rancho Castilla, Conference Room 223 through 227
Los Angeles, CA 90032

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

AGENDA POSTED: July 27, 2017

Complete agendas are made available for review at the designated meeting location. Supporting documentation is available at the LA-RICS Office located at 2525 Corporate Place, Suite 100, Monterey Park, CA 91754 during normal business hours and may also be accessible on the Authority's website at <http://www.la-rics.org>.

Members:

1. **Sachi Hamai**, CEO, County of Los Angeles
2. **Daryl L. Osby**, Vice-Chair, Fire Chief, County of Los Angeles Fire Dept.
3. **Jim McDonnell**, 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. **Joe Ortiz**, Interim Chief of Police, City of Sierra Madre Police Dept.
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
Chris Bundesen, Asst., Fire Chief, County of Los Angeles Fire Dept.
Dean Gialamas, Division Dir., Los Angeles County Sheriff's Dept.
Kay Fruhwirth, Asst., Dir., EMS Agency, County of LADHS
Scott Haberle, Fire Chief, City of Monterey Park Fire Dept.
Donna Cayson, Interim Captain, City of Sierra Madre Police Dept.
Marcel Rodarte, Executive Dir., CA Contract Cities Assoc.
Louis Perez, Deputy Chief, City of Inglewood Police Dept.
Richard Rocchi, Interim Captain, City of Signal Hill Police Dept.
David Povero, Captain, City of Covina Police Dept.

Officers:

Scott Edson, Executive Director
John Naimo, County of Los Angeles Auditor-Controller
Joseph Kelly, County of Los Angeles, Treasurer and Tax Collector
Priscilla Lara, 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. June 1, 2017 – Regular Meeting Minutes
Agenda Item A
- IV. PUBLIC COMMENTS**
- V. CONSENT CALENDAR – (None)**
- VI. REPORTS (B-C)**
 - B. Director’s Report – Scott Edson
 - LTE Update
 - LMR Update
 - LA-RICS Grant Status
 - Status of PSBN Agency OnboardingAgenda Item B
 - C. Project Manager’s Report – Chris Odenthal
Agenda Item C
- VII. DISCUSSION ITEMS (D-H)**
 - D. Outreach Update
Agenda Item D



E. PSBN Onboarding Update

Agenda Item E

F. To receive and file the Quarterly Update on No-Cost Agreements

Agenda Item F

G. California Office of Emergency Services, California First Responder Network – Pat Mallon, Assistant Director

H. Rivada Networks

VIII. ADMINISTRATIVE MATTERS (I-J)

I. APPROVE AMENDMENT NO. 28 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:

- a. Find that an approval of the changes necessary to reflect the reconciliation of one (1) LMR System Site (Bald Mountain [BMT]) to align with the updated LMR System Design is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at BMT, which your Board previously found statutorily exempt from review under California Environmental Quality Act (CEQA) pursuant to Public Resources Code Section 21080.25, the exemption adopted specifically for the Los Angeles Regional Interoperable Communications System (LA-RICS) project, and 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. 28 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to reflect the following:

- a. 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 incorporate LMR Change Order Modifications for a cost increase in the amount of \$31,487.
3. Authorize an increase to the Maximum Contract Sum by \$900,258 from \$296,161,640 to \$297,061,898 when taking the cost increases into consideration.
4. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 28.
5. Delegate authority to the Executive Director to execute Amendment No. 28, in substantially similar form, to the enclosed Amendment (Enclosure).

Agenda Item I

J. APPROVE THE FISCAL-YEAR PROPOSED LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY OPERATING BUDGET

It is recommended that your Board:

It is recommended that the Los Angeles Regional Interoperable Communications System Authority (Authority) approve the enclosed Fiscal-Year 2017-18 Proposed Operating Budget of \$63,931,000 to be utilized for the continued operation of the Authority.

Agenda Item J

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 cases)

XII. ADJOURNMENT and NEXT MEETING:

Thursday, September 7, 2017, at 9:00 a.m., at the Los Angeles Sheriff's Department, Scientific Services Bureau, located at 1800 Paseo Rancho Castilla, Los Angeles, CA 90032.



BOARD MEETING INFORMATION

Members of the public are invited to 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) comment cards 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.)

Members of the public who wish to address the Board are urged to complete a Speaker Card and submit it to the Board Secretary prior to commencement of the public meeting. The cards are available in the meeting room. However, should a member of the public feel the need to address a matter while the meeting is in progress, a card may be submitted to the Board Secretary prior to final consideration of the matter.

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 at least 72 hours prior to the meeting you wish to attend. (323) 881-8291 or (323) 881-8295

SI REQUIERE SERVICIOS DE TRADUCCION, FAVOR DE NOTIFICAR LA OFICINA CON 72 HORAS POR ANTICIPADO.

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



BOARD OF DIRECTORS MEETING MINUTES

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY

June 1, 2017

The Hertzberg Davis Forensic Science Center
1800 Paseo Rancho Castilla, Conference Room 223 through 227
Los Angeles, CA 90032

Board Members Present:

Chris Donovan, Fire Chief, City of El Segundo Fire Dept.
Joe Ortiz, Chief of Police, City of Sierra Madre Police Dept.
Mark Alexander, City Manager, CA Contract Cities Assoc.
Chris Nunley, Captain, City of Signal Hill Police Dept.
John Curley, Chief of Police, City of Covina Police Dept.

Alternates For Board Members Present:

John Geiger, General Manager, CEO, County of Los Angeles
Chris Bundesen, Vice-Chair, Asst. Fire Chief, County of Los Angeles Fire Dept.
Dean Gialamas, Division Dir., Los Angeles County Sheriff's Dept.
Kay Fruhwirth, Asst., Dir., EMS Agency, County of LADHS
Louis Perez, Deputy Chief, City of Inglewood Police Dept.

Officers Present:

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

Absent:

None



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

I. CALL TO ORDER

Director Dean Gialamas called the Regular Meeting of the Board to order at 9:03 a.m. Director Gialamas welcomed and acknowledged representatives from FirstNet, AT&T and from the State of California.

II. ANNOUNCE QUORUM – Roll Call

Director Gialamas acknowledged that a quorum was present and asked for a roll call.

III. APPROVAL OF MINUTES FOR THE REGULAR MEETING

A. May 4, 2017 – Regular Meeting Minutes

Board Member Geiger motioned first, seconded by Alternate Board Member Bundesen.

Ayes 10: Donovan, Ortiz, Alexander, Nunley, Curley, Geiger, Bundesen, Gialamas, Fruhwirth, and Perez.

MOTION APPROVED

IV. PUBLIC COMMENTS – (None)

V. CONSENT CALENDAR – (None)

VI. REPORTS (B-C)

B. Director’s Report – Scott Edson

Executive Director Edson stated his report will consist of an overview of the Executive Summary in Agenda Item B that serves as a dashboard of the Long Term Evolution (LTE), Land Mobile Radio (LMR), grant status issues, as well as onboarding. Executive Director Edson stated he will not list every bullet listed in the Executive Summary unless the Board has questions because of the limited timeframe. Executive Director Edson started with the fourth bullet and stated that we are working closely with FirstNet and AT&T to understand how the public/private partnership and building of the Nationwide Public Safety Broadband Network will impact LA-RICS. We are actively involved with the State of California FirstNet process and will participate in the State review of the FirstNet plan. Our data network is built to “public safety grade” based on the requirements of the FirstNet Public Safety Advisory Committee (PSAC) with significant input from the National Public Safety Telecommunications Council (NPSTC). The PSAC membership represents all disciplines of public safety



as well as state, territorial, tribal, and local governments. PSAC also has at-large members and federal members, with a total membership of 43. The mission of the PSAC is to assist FirstNet in carrying out its duties and responsibilities. NPSTC is a federation of organizations whose mission is to improve public safety communications and interoperability through collaborative leadership, and they authored a detailed document describing “public safety grade” requirements. The LA-RICS team believes we should accept nothing less than the public safety grade data network we have today and will work with the State, FirstNet and AT&T to that end. Additionally, since we are the largest 24/7 Band Class 14 network and a great test bed for FirstNet and AT&T when it comes to roaming between the networks, interoperability, credentialing, provisioning, and so much more; we will also offer our knowledge and expertise to the State, FirstNet and AT&T during the State plan review and discussions. This is where the presentations today are going and the three (3) presenters have the opportunity to present their plans and the latest rumor is that FirstNet will provide all 50 States a plan around the 18th or 19th of this month and they will work with the States to better detail that plan and have a final document in 90-days or so. States will then have the opportunity to opt-in or opt-out. Executive Director Edson stated he will let the three (3) presenters describe that to you.

Executive Director Edson concluded his report by stating UASI 14 successfully closed out yesterday. Some of the details will be provided by Project Manager, Chris Odenthal in his Report.

C. Project Manager’s Report – Chris Odenthal

Project Manager Odenthal stated Contracts Manager Jeanette Arismendez will display a PowerPoint Presentation of sites that have been under construction and referred to Agenda Item C, the Monthly Report, the majority of which Executive Director Edson covered in his report. Project Manager Odenthal further stated that the last outstanding Cell-On-Wheels (COW) is still awaiting a Caltrans permit and the network testing and upgrade for R11 has been completed and indicated that we are proceeding with the final close out and working on punch list items. We had a meeting with Motorola and the Authority last Tuesday to document any remaining issues within the contract and whether Motorola will work on the maintenance. We have our regular standing meetings that occur on Tuesdays, Wednesday and Thursday, if any of your agencies want to attend the meetings please feel free to contact staff to assist with access.

With respect to LTE 2, Project Manager Odenthal stated that not a great deal has changed other than procurement. We are continuing with COLTS negotiations with NTIA and NOAA on releasing the \$8.1 million in excess equipment dollars. Any plans to move forward with Plan 2 Round 2 sites require more discussions with AT&T, FirstNet and NTIA prior to moving forward with any type of site activity and site development on LTE.



In regards to LMR, Project Manager Odenthal stated we are continuing planning with the United States Forest Service (USFS) and are undergoing the analysis of every single site and what is required based on their communication's plan as we meet on a biweekly basis.

Project Manager Odenthal stated at the last meeting Board Member Alexander asked for a coverage map, so at the end of the Construction presentation there are five (5) slides that show the coverage of the system. Permitting is continuing as the sites meet the drawing threshold for submissions to the Department of Public Works for Los Angeles County sites and independent sites. Program Manager Odenthal stated that Executive Direct Edson spoke on the status of UASI 14 progress that closed out last night, our official performance period end date for the UASI 14 and the Authority was able to meet its spending targets for the grant. The Authority submitted final numbers and spend plan to FEMA and CalOES that depict final spending of the UASI 14 grant on a per site per Phase basis. No further changes will occur to this Spending Plan.

Project Manager Odenthal also provided a Construction/Implementation Update via PowerPoint presentation that consisted of the following information:

Active Sites:

- BMT, FCCF, Hauser Peak, and PHN
- LDPW243 – Power Aqueduct Cascades
- LASDTEM
- Airport Courthouse (APC)
- Compton Courthouse Building (CCB)
- Clara Shortridge Foltz Criminal Court (CCT)
- Mir Loma Detention Center (MLM)

Next Sites:

- MVS, ONK, VPK, MMC, TPK
 - Cerro Negro
 - Signal Hill
 - Agoura Hills

Coverage Maps

- DTVRS 700MHZ Layer (Board Member Alexander request)
- DTVRS UHF T-Band Layer
- ACVRS TR05, 5R, 11 Site, Simulcast Map
- ACVRS T09, 14 Site, Simulcast Map

Board Member Alexander asked if both Verdugo Peak and Cerro Negro were needed? Project Manager Odenthal stated yes both are needed because they are on opposite ridge lines. Verdugo Peak does not get through east of that area but Cerro Negro does a good job at covering the 2 and 210 freeways and is designed to cover that area.



Board Member Mark Alexander asked about the tours for the construction sites. Project Manager Chris Odenthal mentioned WEAP training may be needed for some site visits; we are currently working on the schedule for site visits.

Executive Director Edson explained the best way to remember the 20/20/20/20 Plan is approximately 20 sites each year: 2017, 2018, 20 sites in 2019 with testing and Warranty in 2020. Project Manager Odenthal stated 2019 will be used for testing and turn-up of the system.

Project Manager Odenthal also stated the last few slides are to cover Board Member Alexander request of coverage maps. These coverage maps that are being presented show coverage of the Angeles National Forest. Board Member Alexander asked if Project Manager Odenthal has a 700 overlay coverage map and he stated he does not have an overlap image to show. Board Member Alexander stated there seems to be a hole on the East in both the 700 and digital analog, and asked if there is anything substantially in that area. Project Manager Odenthal stated the difference between this map and an analog map is that the technologies behave differently and therefore coverage is different. However, when we see a consistent coverage issue in several layers it is a reflection that no site is available in that area.

Executive Director Edson asked the Board/Alternate Members to assign/designate individuals that are familiar with the Technical and Operations aspects of regional communications because future meetings will be more detailed than before and will require some expertise.

VII. DISCUSSION ITEMS (D-H)

D. Outreach Update

Executive Director Edson recapped the outreach items in his Director's report. There was no further discussion.

E. PSBN Onboarding Update

Executive Director Edson recapped the onboarding items in his Director's report. There was no further discussion.

F. FirstNet and the Public Safety Broadband Network - Kevin Nida, Region 9 CONUS Consultation Co-Lead (CA/NV/AZ), First Responder Network Authority.

Kevin Nida provided presentation on FirstNet and the National Public Safety Broadband Network. Director Gialamas stated FirstNet Public Safety Advisory Committee (PSAC) has identified requirements going forward into the system. What is your perspective recognizing that you selected AT&T as the vendor? Is FirstNet comfortable with AT&T meeting all the requirements for the FirstNet Plan to move



forward. Director Gialamas went on to express his concern for Los Angeles County, stating that we have a very large investment into a system that may get taken up into FirstNet and we want to ensure that the quality of the infrastructure that has been built into LA-RICS is something that we get to maintain and keep, if the State opts-in to FirstNet and we become part of the FirstNet Network. Kevin Nida stated FirstNet chose AT&T and he is convinced personally that FirstNet is going to harness all of the needs of Public Safety and provide direction to AT&T on the buildout. He went on to state that FirstNet is satisfied with AT&T and feels they will provide the needed coverage for Public Safety and better coverage. Alternate Member Geiger stated that we appreciate FirstNet taking on challenges and coverage is significant to adoption but coverage isn't everything; its coverage and cost. Executive Director Edson stated that it is important for AT&T, FirstNet, and the State to know that this Board will not accept anything less than the inclusion of the LA-RICS system in your proposal. We have built a public safety grade network for Public Safety First Responders that benefits the community; the 11 million residences we have. I recommend that the State not accept anything less than what is available today if not better. Executive Director Edson went on to state that when he attends the PSAC meeting on June 15, 2017, he is going to encourage the Committee to correlate the 16 objectives to the proposed plan to ensure that we have the best Public Safety grade processes and system in place.

G. Construction and Deployment of the FirstNet Public Safety Broadband Network by AT&T - Doug Clark, Assistant Vice President, FirstNet State Outreach and Consultation Public Safety Solutions for AT&T.

Assistant Vice President Clark provided a presentation on Construction and Deployment of the FirstNet Public Safety Broadband Network stating that they have a 140-year history of working with first responders; they are investing 40 billion in this process with a donation of 20 MHz of spectrum. When capacity challenges are experienced AT&T will provide priority and preemption capabilities on all their frequency bands. Assistant Vice President Clark stated they currently have Cells on Wheels, COLTs, of which 72 are dedicated to FirstNet with 300 existing COWS within the United States. Assistant Vice President Clark concluded his presentation by stating that AT&T looks forward to delivering a State Plan to California with lots future conversation geared around LA-RICS. Board Member Nunley asked about Band Class 14 and ability to stay on Verizon Wireless or do we have to use AT&T to get the Band Class 14 access. Assistant Vice President Clark stated if you want to take advantage of the National Public Safety Broadband Network you have to subscribe to the FirstNet Network. AT&T was awarded the contract to build the FirstNet Network; the National Public Safety Broadband Network will have features and capabilities that are not available with AT&T.

Cal OES Assistant Director Mallon indicated the State is interested in knowing what the real coverage and cost is because there are a number of agencies that use various commercial carriers. Director Gialamas asked will the cost be included in the plan



within the next couple of weeks? Assistant Vice President Clark stated yes and there will be a State Plan portal with general information for public access. Assistant Director Mallon stated he will work with Executive Director Edson and Administrative Deputy Orellana-Curtiss on providing LA-RICS staff access to the portal.

Board Member Donovan asked if the Band Class 14 Network will expand North to Oregon and South to the Mexican Border or is the plan to decommission portions or all of Band Class 14 Network. Assistant Vice President Clark stated there are discussions with the technical team that are working on the National buildout and they have been working with your technical team and local radio access teams to look at different assets that are available and to create a plan on how those assets are utilized in the network itself for the National Public Safety Broadband Network and a plan will be presented to Executive Director Edson and others for their consideration. Alternate Member Geiger stated he presumed the State Plan will also have cost for reimbursement for the local agencies for local monies that have been expended on Band Class 14 assets that are ultimately not used. Assistant Vice President Clark stated he is not sure if the State Plan will state that info but discussions are occurring as part of their development.

H. California Office of Emergency Services, California First Responder Network – Pat Mallon, Assistant Director.

Assistant Director Mallon presented an overview of his responsibilities and stated that he oversees the Public Safety Committee Section and 911 System and payments of all the 911 bills. Assistant Director Mallon indicated he is also the State Point of Contact with FirstNet since 2016 and explained that CalFRN was established by Cal-OES and has representatives from Law Enforcement, Fire, EMS, Agencies, and Outreach. Assistant Director Mallon provided information on the State Plan and was asked to prepare a template Request for Proposals should the Governor decide to opt-out. On June 19, 2017, the draft State Plan is scheduled to be released. Assistant Director Mallon stated that once the FirstNet plan is released, Cal OES will conduct ten outreach meetings throughout the State within 45 days with the State wanting to see real coverage and cost. Assistant Director Mallon concluded his presentation by stating that the Cal OES also wants to see the plan for assimilating LA-RICS into the NPSBN.

VIII. ADMINISTRATIVE MATTERS (I-K)

I. APPROVE AMENDMENT NO. 27 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM – LAND MOBILE RADIO SYSTEM

Contracts Manager Jeanette Arismendez presented to the Board Agenda Item I and requested the Board take the following actions:



- a. Find that (a) approval of the changes necessary to reflect the reconciliation of one (1) LMR System Sites Frost Peak (FRP) to align with the updated LMR System Design is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified under the California Environmental Quality Act (CEQA) on March 29, 2016; and (b) there are no changes to the project at these sites or to the circumstances under which the project is undertaken that require revisions to the previous EIR due to new significant effects or a substantial increase in the severity of previously identified significant effects.
- b. Find that (a) approval of the changes necessary to reflect the reconciliation of one (1) LMR System Sites Los Angeles County Sheriff's Department Palmdale Station (PLM), to align with the updated LMR System Design 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 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 the this one (1) site, 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).
- c. Find that the inclusion of two (2) LMR System Sites BKK Landfill (BKK) and UCLA Factor Building (UCLA) into Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercising of the Unilateral Options to align with the updated LMR System Design is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at these two (2) sites. The LMR activities at Site BKK and UCLA were previously found by your Board to be statutorily exempt from review under CEQA 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 BKK and UCLA that is needed to provide network connectivity to the LMR System, were previously found by your Board to be 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. 27 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to reflect the following:
 - a. 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. 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. Reflect an administrative reconciliation, reconciliation of dropped sites, and a reconciliation of services performed in Phase 1 for a cost decrease in the amount of \$3,434,574.
 - d. Increase the scope to include all Work related to implementing an environmental Mitigation Monitoring Plan into the LMR program to assess and ensure required mitigation measures are met for a cost increase in the amount of \$2,912,356.
3. Authorize an increase to the Maximum Contract Sum by \$561,999 from \$295,599,641 to \$296,161,640 when taking the cost increase and decrease into consideration.
4. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 27.
5. Delegate authority to the Executive Director to execute Amendment No. 27, in substantially similar form, to the enclosed Amendment (Enclosure).

Board Member Geiger motioned first, seconded by Alternate Board Member Fruhwirth.

Ayes 10: Donovan, Ortiz, Alexander, Nunley, Curley, Geiger, Bundesen, Gialamas, Fruhwirth, and Perez.

MOTION APPROVED

J. DELEGATED AUTHORITY TO THE EXECUTIVE DIRECTOR TO ACCEPT THE LOAN OF CERTAIN EQUIPMENT, GOOD, AND/OR SERVICES ON A GRATIS BASIS



Contracts Manager Jeanette Arismendez presented to the Board Agenda Item J and requested the Board take the following actions:

1. Delegate authority to the Executive Director to execute agreements between the Authority and certain companies, in substantially similar form to the Enclosure, to allow the Authority to accept the loan of certain equipment, goods, and/or services, on a gratis basis, for the purposes of testing and evaluating compatibility and functionality of the Loaned Resources on the PSBN and/or the LMR Early Deployment System.
2. Delegate authority to the Executive Director, or his designee, to approve and execute amendments to the agreements, provided that they are approved as to form by counsel to the Authority.

Director Dean Gialamas introduced an Amended Motion for Item J – to Delegate Authority to the Executive Director to Accept the Loan of certain equipment, goods and/or services on a gratis basis and provide a Quarterly Report to the Board regarding the acceptance of any equipment, goods, and/or services and return to the Board prior to accepting equipment, goods, and/or services that exceed \$100,000 in value both individually or collectively.

Alternate Board Member Gialamas motioned first, seconded by Alternate Board Member Geiger.

Ayes 10: Donovan, Ortiz, Alexander, Nunley, Curley, Geiger, Bundesen, Gialamas, Fruhwirth, and Perez.

AMENDED MOTION APPROVED

K. ACCEPT 2014 URBAN AREAS SECURITY INITIATIVE FUNDS

Administrative Deputy Susy Orellana-Curtiss presented to the Board Agenda Item K and requested the Board take the following actions:

1. Accept \$4,997,544 in grant funds from the Fiscal-Year 2014 UASI funds as distributed through the California Office of Emergency Services (Cal OES); and
2. Authorize the Executive Director to execute the 2014 UASI Sub-recipient Agreement, substantially similar to the attached from 2013, between the City of Los Angeles and the Authority; and
3. Delegate authority to the Executive Director to execute any subsequent amendments to the Agreement that do not impact the award amount.



Alternate Board Member Gialamas motioned first, seconded by Board Member Curley.

Ayes 10: Donovan, Ortiz, Alexander, Nunley, Curley, Geiger, Bundesen, Gialamas, Fruhwirth, and Perez.

MOTION APPROVED

IX. MISCELLANEOUS

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

Board Member Alexander had a concern about the parking at the Los Angeles Sheriff's Department, Scientific Services Bureau in regards to the Brown Act and felt that the parking permit requirement and the sign-in requirement may prevent public access to these Board Meetings. Counsel Moore stated the front desk is aware that individuals are not required to sign-in and the front desk also provides parking permit passes so members of the public can park for free. Director Gialamas asked Board Member Alexander if he has another location to hold the Board Meetings at a different location. Board Member Alexander stated he did not, but he did like where meetings were previously held, at the Grace Lodge, however didn't know if holding meetings there in the future is reasonable or doable. Director Gialamas stated from the Sheriff's perspective we don't have the connection to the City of LA's asset (Grace Lodge) and with the City of LA no longer holding membership in LA-RICS he does not know if we can get that location. Director Gialamas asked if any other Board Member has an idea for alternate locations we can have staff find a facility that is more suitable.

Chief Edson then asked questions about the Board's availability for the July meeting and whether the next Board Meeting of July 6, 2017 is suitable for all Board Members. Director Gialamas stated earlier in the year there were discussions about postponing the July 2017 Board Meeting to August but based on upcoming activities and indicated that it is open for discussion from the Board. Cal OES, Assistant Director, Pat Mallon stated he will be in town on July 7, 2017, to make an appearance to provide a brief discussion. Director Gialamas asked if the Board wanted to push the meeting back one week to July 13, 2017. Board Member Donovan stated the Los Angeles Fire Chief's General Meeting is on the July 13, 2017. Director Gialamas stated since no one will be on vacation and the meeting is calendared for July 6, 2017, the next Board Meeting will remain as scheduled.

Director Gialamas thanked the presenters from FirstNet, AT&T, and Cal OES and stated that they are more than welcome to attend the next Board Meeting in July.

XI. CLOSED SESSION REPORT - NONE



XII. ADJOURNMENT and NEXT MEETING:

Thursday, July 6, 2017, at 9:00 a.m., at the Los Angeles Sheriff's Department, Scientific Services Bureau, located at 1800 Paseo Rancho Castilla, Los Angeles, CA 90032.



BOARD MEETING INFORMATION

Members of the public are invited to 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) comment cards 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.)

Members of the public who wish to address the Board are urged to complete a Speaker Card and submit it to the Board Secretary prior to commencement of the public meeting. The cards are available in the meeting room. However, should a member of the public feel the need to address a matter while the meeting is in progress, a card may be submitted to the Board Secretary prior to final consideration of the matter.

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 at least 72 hours prior to the meeting you wish to attend. (323) 881-8291 or (323) 881-8295

SI REQUIERE SERVICIOS DE TRADUCCION, FAVOR DE NOTIFICAR LA OFICINA CON 72 HORAS POR ANTICIPADO.

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

Executive Summary

August 3, 2017

LTE Update

Below are the remaining activities associated with PSBN

- SCE COW completion – Power and final fiber is being tested for connectivity for all SCE COWs excluding SCESTUD. Final City sign-off for power is scheduled for early August.
- Closeout documents – Final review of delivered books for all sites is being conducted. It is expected that all sites will be at or near completion of all documents.
- Multiple technical meetings occurring with AT&T and FirstNet to determine how LA-RICS will be included in FirstNet. Talks are continuing.
- We are actively involved with the State of California FirstNet process and are participating in the State review of the FirstNet plan.
- Our data network is built to “public safety grade” based on requirements gathered by the FirstNet Public Safety Advisory Committee (PSAC) and with significant input from the National Public Safety Telecommunications Council (NPSTC). The PSAC membership represents all disciplines of public safety as well as state, territorial, tribal, and local governments. PSAC also has at-large members and federal members, with a total membership of 43. The mission of the PSAC is to assist FirstNet in carrying out its duties and responsibilities. NPSTC is a federation of organizations whose mission is to improve public safety communications and interoperability through collaborative leadership, and they authored a detailed document describing “public safety grade” requirements.
- The LA-RICS team is continuing to communicate that it will not accept nothing less than the public safety grade data network we have today and will work with the State, FirstNet and AT&T to that end. We asked FirstNet/AT&T to identify current and future sites built to public safety grade.
- Additionally, since we are the largest 24/7 Band 14 network and a great test bed for FirstNet and AT&T when it comes to roaming between the networks, interoperability, credentialing, provisioning, and so much more; we continue to offer our knowledge and expertise to the State, FirstNet and AT&T during this plan review and discussions.

LMR Update

- Zoning Drawing – 15 Sites, 10 of which are approved to proceed to 50%
- 50% Construction Drawings – 25 Sites, 17 in development for 75%
- 75% Construction Drawings – 3 Sites, 1 of which are approved to proceed to 100%
- 100% Construction Drawings (Building Permit Submitted) – 4 sites, 2 of which have been submitted for Building Permit review
- Building Permit Received – 12 Sites
- Active Sites (Construction and/or Equipment Installs) & Locations
 - FCCF - 1320 Eastern Ave.
 - HPK - (Northern Angeles, overlooking Palmdale)
 - Airport - Courthouse (APC) – (Junction of I-105 and I-405)
 - Compton Courthouse Building (CCB) – Compton
 - MLM – Mira Loma Detention Facility - Lancaster
 - LDWP243 - (Junction of I-5 and CA-14)
 - BMT - (Angeles, overlooking CA-138 and I-5)
 - Foltz Criminal Courthouse (CCT) – Downtown
 - LASD Temple Station (LASDTEM) – Temple City

AGENDA ITEM B

- Sites Complete through Phase 2 (constructions and modification complete) = 10
 - Phase 3 (telecom install complete), Phase 4 (telecom implemented)

LA-RICS GRANT STATUS					
Grant	Award	Costs Incurred	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	\$4,735,013	\$-	\$9,009,054	3/31/18
UASI 14	\$4,997,544	\$4,997,544	\$4,997,544	\$-	7/31/17
UASI 16	\$5,240,456	\$1,616,111	\$-	\$3,624,344	5/31/19
UASI 17	\$34,763,780	\$-	\$-	\$-	Not yet awarded
UASI 18	\$35,000,000	\$-	\$-	\$-	Not yet awarded
UASI 19	\$35,000,000	\$-	\$-	\$-	Not yet awarded
BTOP	\$120,117,137	\$-	\$112,119,936	\$7,997,201	9/30/20

STATUS OF PSBN AGENCY ONBOARDING		
Agency	Onboarding Status	Number of Units Installed/Demo Kit/SIM cards Received
LASD	Installations in progress.	422
LACoFD	Installations in progress.	251
Inglewood PD	Delivered 2 VML routers, installation complete. Awaiting configuration and testing of Access Point Name (APN). Checking to see if ready for next two routers.	2
Claremont PD	Two routers in use. Access Point Name (APN) have been requested.	2
Bell PD	Routers are configured and provisioned. Routers delivered June 6. Awaiting APN.	2
Covina PD	2 VML routers configured, provisioned and delivered. Awaiting installation.	2
UCLA Health	Working router configuration for the Mobile Stroke Unit. Unit will be put into service once testing is complete.	1
Health Services / EMS	Two routers configured and provisioned. Awaiting adaptor for power cable for portable hotspot kits.	2
El Segundo Fire & PD	ELFD installing two routers.	2
Signal Hill PD	Additional routers requested from FN/AT&T. Awaiting decision.	0
La Verne PD & FD	Demo Kits results provided.	2
Azusa PD	No longer interested in Demo Kit	0
Irwindale	Demo Kit provided. Meeting set to pick up and share results.	1
Sierra Madre PD & FD	Demo Kits to be delivered this week.	2

AGENDA ITEM B

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 costs and first responders cannot 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 will establish 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. New FCC licensed broadband spectrum will be utilized.

Design, construction, and deployment of two County-wide systems (1) Land Mobile Radio (LMR) voice network utilizes 61 sites in its System Design and (2) Long Term Evolution (LTE) broadband data network is deployed at 76 sites. Both systems 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.



Monthly Report No. 64
For July, 2017
Submitted July 27, 2017

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LTE-1 UPDATES

Site/Civil/Closeout

- The remaining nine (9) SCE COW's are in civil construction including fiber connectivity which is completed and awaiting final power delivery at Studebaker sub-station (SCESTUD). The final cleanup of the compounds where the sites reside is ongoing, to be completed at the end of July, including weed abatement, signage and other minor tasks. The SCE engineers are currently testing the fiber ring to flush out any miscellaneous items to assure the back haul (BH) is ready. Final commissioning and integration of all nine (9) sites is scheduled for mid to late August. The Office of The Statewide Health and Planning Department (OSHPD) has completed their review of the proposed site changes and approved the necessary building permit (BP) on May 11th. A request was sent from the Jacobs PM team to MSI requesting a schedule for construction start and completion for review. The redesign of the two (2) sectors of antennas including coax and cable trays is to provide a more efficient use of the roof top at the hospital. Construction for this re-design is expected to start in early August.
- Each of the 63 sites has received initial versions of the Close-out books which are required to meet the documentation requirements of the Contract. MSI has provided to the Authority all 75 site books, submitted on 7-3-17. The project management team is expected to review the content of the books in the next couple weeks. A continued effort on the system book is ongoing and scheduled for delivery in mid-August. It is expected that MSI has provided all of the critical documentation for all sites but in the event this material is missing, MSI has agreed to monetize those outstanding documents.

Network/Acceptance Test Plans (ATPs)

- The Network is completing final Acceptance Test Plans (ATPs) after the completion of the R11 upgrade. Now that we have received the permit from Cal Trans and the power construction has been completed MSI will begin the site commissioning and integration process in late August for all 9 SCE COWs. These 9 sites will provide the benefits of RF coverage and capacity in these key locations for the PSBN Network.

Operations/Governance

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

1. Manage and Govern MSI
2. Ensure PSBN operational performance
3. Ensure internal LA-RICS operational aspects are in place
4. Develop and Implement Policies
5. Govern Change Management

The weekly Operations meetings are scheduled as follows:

- **Tuesdays - Network Fault and Performance:** (Joint LA-RICs and MSI meeting) The session provides updates and resolutions for Network deficiencies, trouble tickets including system alarms occurring throughout the Radio Access Network (RAN) as well as the Core. This one (1) hour meeting focuses on reviewing and examining all incidents identified during the past week that affect and determine Service Level Agreements (SLAs) and KPIs. Areas of operational performance governance include trouble identification, sectionalization, resolution including processes and activities MSI could improve to effectively manage the network.
- **Wednesday - Internal Operations Meeting:** This internal meeting encompasses a pool of objectives formulated to address internal functional and resource structures, assignments, process and procedures as well as strategies to govern MSI and work through their deficiencies. Included are progress reports on daily functions, change management as well as updates on assigned action items.
- **Thursday - Process Improvements, Policy and Governance:** The team (Joint LA-RICS and MSI meeting) meets once a week to discuss Governance and resources focused on improving MSI processes specifically targeted towards alarms, trouble ticketing including Radio Access Network (RAN) and Core upgrades and functionality.

Special Events

- Discussions surrounding special events have been focused on the La Verne Day at the Fair scheduled to take place September 13, 2017. Meetings are taking place to align goals expectations for the event prior to on site testing. More to come!!

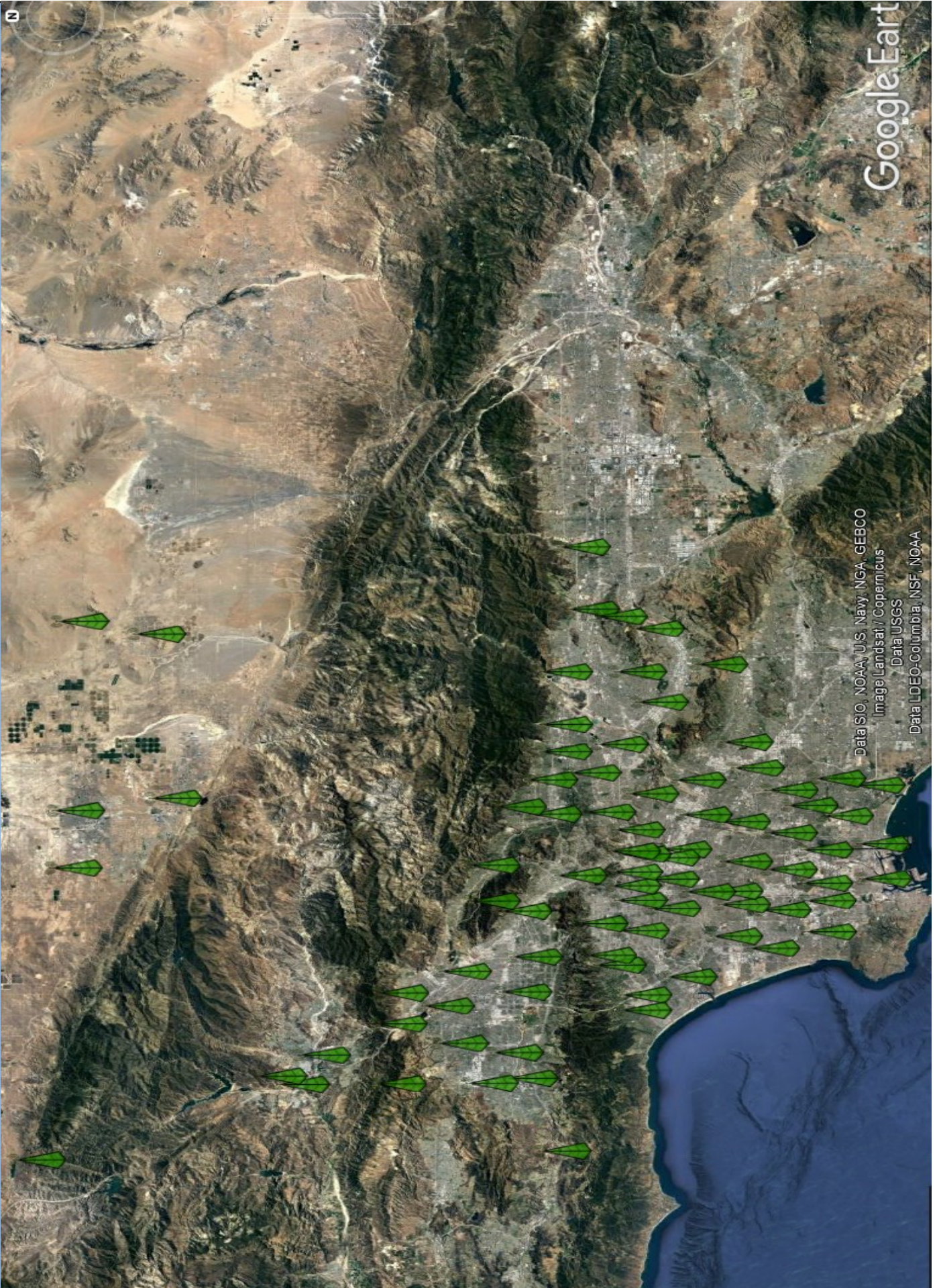
LTE-2 UPDATES

LTE-2

- The LTE Round 2 program progressed with a decision and approval to proceed from NTIA on 3 of the 5 objectives provided for the Round 2 program. The three approved objectives are:
 1. Rapid Response Vehicles
 2. Interconnection of the Public Safety Enterprise Network (PSEN)
 3. Testing and Verification Center

The Operations team, led by Televate is currently working on details and information regarding the three objectives gathering quotes for the Rapid Response Vehicles (RRV) and the Public Safety Enterprise Network (PSEN) to be provided by MSI. The test and verification center has yet to take shape but currently under discussions.

LTE-1 SITES



Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus
Data USGS
Data LDEO-Columbia, NSF, NOAA

LMR UPDATES

Environmental Update

- Attended teleconferences with FEMA and CalOES on June 1 and July 16 and with the LA City Mayor's office only on June 21.
- Submitted the EMIS 7 group packages to FEMA on June 30.
- Attended a teleconference with USFS staff on June 14 and an in person meeting at the Forest Headquarters on July 12 to discuss the temporary special use permit process and the revised BA.
- Reviewed a draft of the temporary special use permit received from the USFS on June 28 and provided comments to it on June 30.
- Continued to work with Pyramid and FCS on their environmental compliance documents and reporting plans and requirements including supporting presentation of WEAP trainings. Reviewed their pre-construction forms and weekly, and daily compliance reports
- Prepared a Section 106 compliance addendum letter for site LEPS on FEMA letterhead and provided it to FEMA on June 23.
- Provided revised versions of the BA for geotech for sites on the Angeles National Forest to the USFS on June 2 (resubmitted the same version on June 19), 21, and 22, and on July 17.
- Continued visits to LMR sites.

Permitting Support

- Jacobs has supported the Authority's submittal of the Proposal and Special Use Permit (SUP) SF299 application packages for geotechnical investigation and radio spectrum fingerprinting and noise floor monitoring (RSF-NFM) on the ANF. The Authority received its SUP for geotechnical and RSF-NFM activities from the ANF on July 11, and Jacobs is now supporting scheduling of pre-geotechnical activities on the ANF.
- Jacobs continues to review MSI's work and meet weekly with MSI to support MSI's developing and adhering to a P6 schedule for individual coastal development permit (CDP) submittal packages for sites included in the Santa Catalina Island, Santa Monica Mountains, and City of Malibu Local Coastal Plans (LCPs). This effort includes review of MSI-submitted zoning and construction parameters (e.g., proposed tower heights and other site design features) to verify these are consistent with Authority requirements and compliant with each applicable LCP, and directing MSI to modify design drawings as appropriate to meet program needs.
- Jacobs continues to drive the submittal of the Proposal and SF 299 application (SUP) packages for proposed construction and operations of LMR sites on the ANF. Jacobs continues to meet weekly with MSI to drive MSI in completing an LMR system design compliant with the ANF's Land Management Plan that meets system needs, and is working with MSI in developing a P6 schedule associated with successful Proposal and SUP submissions. Jacobs and Authority staff continue to meet with key ANF staff on a twice-monthly basis.

Budget

- Jacobs and MSI are currently working through contractual True-up for all remaining sites Phases 2-4. The seven sites brought before your Board on April 6th were approved. Each site, and the corresponding changes in price based on the process, will be brought to this Board for consideration and contract approval.

Site/Civil

Construction efforts have been completed on a handful of LMR sites including stacking of towers, concrete foundations for both shelters and generators, building of rooms in Courthouse penthouses, and the installation of lines and antennas on numerous sites. Other permit reviews recently completed by the local jurisdiction or the State have yielded additional permits allowing those sites to begin Phase 2 (Construction) as well keeping site progress on schedule. As indicated below, a group of site construction drawings are being reviewed and approved on a weekly basis providing the required pool of sites for future submittals and permits.

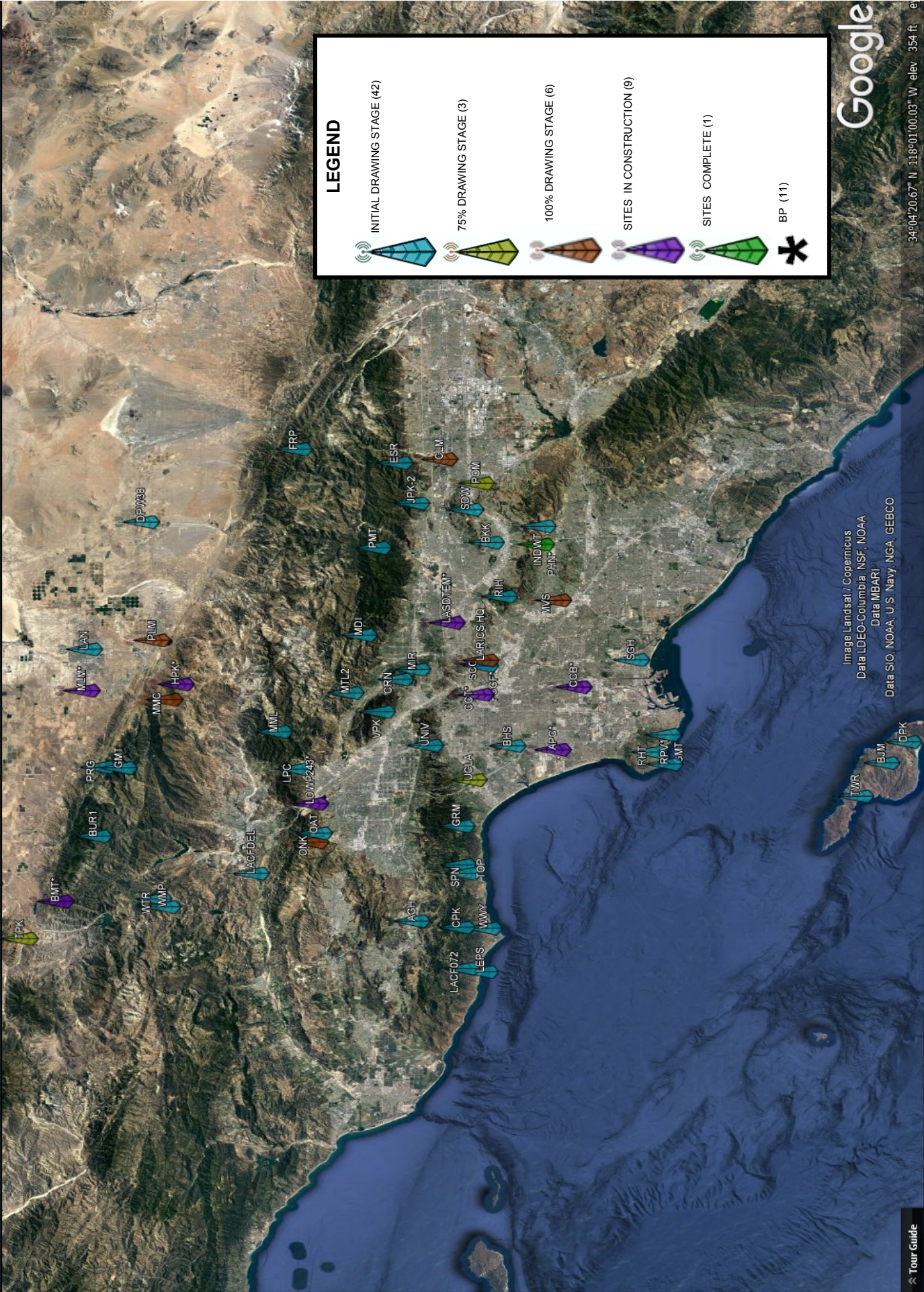
The LMR Radio Frequency (RF) System Design is on-going and at times very dynamic with updates and changes supporting the network microwave design. The base RF Voice layers are complete from a design perspective although there may be tweaks to individual sites based on tower heights. MSI initial review of the Backhaul design including all field path studies have been completed except for San Pedro Hill (SPH). All gathered data is currently under review by MSI engineers. MSI and the Authority met to review findings and any lingering issues. Several sites are still under consideration for exact location due to backhaul availability.

MSI efforts to complete drawings and submit sites into the jurisdiction for building permits are on-going. Fourteen (14) building permit applications (PHN, BMT, HPK, LDWP243, LASDTEM, FCCF, APC, CCB, CCT, MLM, MVS, ONK, LARICSHQ, and CLM) have been submitted and approvals have been received for twelve (12) of the fourteen sites. Below is an update of the remaining LMR sites and the status or phase of which the drawings are in. The goal at this time is to have all construction drawings completed on all sites and submitted for building permit by July 2017. This excludes the sites within Local Coastal Plans and U.S. Forest Service sites due to the lengthy process.

- As of 07/18/2017 twelve LMR Building Permit Applications have been approved and construction is underway on ten sites.
- 51 each 50% CD's have been received for review and approval by the authority as of 07/18/2017.
- 20 each 75% CD's have been received for review and approval by the authority as of 07/18/2017.
- 15 each 100% CD's have been received for review and approval by the authority as of 07/18/2017 of which 13 of them have been submitted to respective jurisdictional agencies for review and Building Permit issuance.
- With the addition of INDWT (City of Industry Water Tank site) as a replacement for the OLI (Olinda) site, Jacobs is now tasked with obtaining SAA's for 17 LMR sites. SAA's for the remainder sites are being processed by LA County CEO-RED.
- As of 07/18/2017 twenty three (23) executed SAA's are in place.

AGENDA ITEM C

LMR SITES



AGENDA ITEM C



Monthly Report #47

Reporting Period: 6/22/17 thru 7/21/17

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

Motorola Solutions, Inc.



MOTOROLA SOLUTIONS

AGENDA ITEM C

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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 Modification, 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. 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, 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 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 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.

This report covers the period from 6/22/17 thru 7/21/17

During this reporting period associated Phase 1 tasks were performed to include A&E activities, system redesign, frequency planning, site scope reviews, Site Access Agreement drawings, backhaul/microwave path surveys, and Environmental Reviews. A&E activities included site walks, site sketch development, site surveys, and development of the Zoning Drawings, geotechnical plans, and Construction Drawings.

The primary Phase 1 activities for this period include:

LMR System Redesign

System Redesign activities for this period included frequency identification and planning, backhaul network design, narrowband mobile data network design, fleet mapping, Spectrum Fingerprinting and Noise Floor Monitoring process review, and incorporation of system redesign parameters into the construction drawing process. MSI is utilizing the Design of Record dated 9/6/16 to support the site True-Up process as well as information as it is refined and determined weekly. MSI and the Authority continue to refine the backhaul design and have identified areas of concern and their corresponding solutions.

Site Design Activities






Site design activities for this period included continued site evaluation walks, site sketch development and submittals, site survey walks, project description development and submittals for additional sites, Site Access Agreement exhibits, Zoning Drawing development and submittal, and Construction Drawing development and submittal for Authority review. Additional activities included power load studies, evaluation of as-built drawings and tower mapping, tower structural analysis for the applicable sites, submittal of applicable geotechnical drilling plans, and review of electrical one-line drawing designs.

LA-RICS Deliverables - Authority Site Access Agreements

Authority's efforts to develop and execute the applicable Right of Entry and Site Access Agreements for the required 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. As of this reporting period 23 (out of 60) Site Access Agreements have been executed.

The Authority continues to work with FEMA to obtain independent site environmental approvals which are required prior to the start of construction at a site.

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

LMR Project Dashboard			
Category	Rating	Change	Comments
Schedule			Revisions to the baseline schedule for all phases (1-4) are reviewed weekly. A&E drawing progress is still slow but is being followed and tracked on a weekly basis. MSI and the Authority continue to see slips in individual site schedules that impact its overall Program schedule due to delays in Site Access Agreement, A&E drawings, Building Permit Submissions, and construction starts and Change Order approvals. Individual site environmental approvals may impact geotechnical investigations. These delays continue to negatively impact the schedule.
Quality			The construction drawing, review, and approval process continues to be challenging. Corrective actions continue to be put into place. The Authority and MSI will continue to work together to identify additional means to shorten this process. MSI will continue with improvements to its quality control processes and cycle times.
Risk			Risk items have been identified regarding: Spectrum, Site Access Agreements, and Site Conditions. FEMA independent site environmental approvals required.
Scope			Scope is well defined, although there may be increased scope associated with the design enhancement recommendations and in construction once geotechnical investigations are complete. Six (6) Pre-Change Order Requests (HPK, BMT, MLM, MMC, ONK, and TPK) have been resubmitted and are awaiting approval from The Authority.
Budget			Current budget reflects contract pricing and include the sites that have gone through the true-up review. Revised budgets for each site will be determined at the completion of each true-up.

2. Project Status

The following sections identify task activities during the reporting period and the planned activities for the next reporting period.

2.1 Tasks In Progress or Completed

The following depict the task activity that occurred during the current reporting period.

Activity Name	Activity Status
---------------	-----------------

Activity Name	Activity Status
LA-RICS Deliverables	
Lease Negotiations & Site Access Use Agreements	In Process
FEMA Environmental Site Approvals & Construction Waivers	In Process
Notice To Proceed for applicable sites	In Process
LMR System Redesign	
Redesign baseline site parameters & redesign development	In Process
Contract True-up of site designs and equipment for each site	In Process
Site Design, Zoning and Permitting	
Site Walks and Site Sketch Development & Approvals	In Process
Site Surveys	In Process
Develop Zoning Drawings & Approvals	In Process
Geotechnical Boring (applicable sites)	In Process
Develop Construction Drawings & Approvals	In Process
Submit Permits Drawings and Approvals	In Process
Pre- Construction	
Pre- Change Orders/Method B pricing submitted (HPK, BMT,MLM,MMC,ONK, and TPK)	In Process
Construction	
Construction (PHN/BMT/HPK/FCCF/LDWP243/LASDTEM/APC/CCB/CCT/MLM)	In Process

2.2 Tasks Planned for Next Period (7/22/17 thru 8/21/17)

The following depict the task activity that is planned for the next reporting period.

Activity Name	Planned Status
LA-RICS Deliverables	
Lease Negotiations & Site Access Use Agreement	On Going
Access to Core Sites	On Going
FEMA Environmental Site Approvals & Construction Waivers	In Process
Review and Approve Zoning and Construction Drawings	In Process
Notice To Proceed for applicable sites	In Process
LMR System Redesign	
Redesign baseline site parameters & redesign development	In Process
Contract True-up of site designs and equipment for each site	In Process
Site Design	
Site Walks and Site Sketch Development & Approvals	In Process
Site Surveys	In Process
Develop Zoning Drawings & Approvals	In Process
Submittal of Zoning Drawings	In Process
Geotechnical Boring	In Process
Develop Construction Drawings and Approvals	In Process
Submit Permits Drawings and Approvals	In Process

Activity Name	Planned Status
Pre-Construction	
Pre- Construction Packages & Site Monitoring (where applicable)	In Process

Activity Name	Activity Status
Site Construction	
Outreach to Neighborhoods for Applicable Sites	On Going
Pre- Construction Packages Review & Approval	On Going
Site Construction & Site Monitoring (where applicable)	On Going
Site Construction Inspection Approvals	On Going
Site Construction – (PHN/BMT/HPK/FCCF/LDWP243/LASDTEM/APC/CCB/CCT/MLM)	On Going

2.3 Authority Look-Ahead Tasks (120-Day)

For the Authority planning purposes the following table provides a one hundred twenty (120) Day look-ahead of the Authority-specific activities to conduct coordination, inspections, approvals, consents, and or provide decisions necessary from the Authority to facilitate Contractor's progress.

Activity Name	Activity Status
LA-RICS Deliverables	
Lease Negotiations & Site Access Use Agreement	On Going
LA-RICS Provides Access to Core Sites	On Going
FEMA Environmental Site Approvals & Construction Waivers	On Going
Review and Approve Zoning and Construction Drawings	On Going
Notice To Proceed for applicable sites	On Going
LMR System Redesign	
Review and Approve Redesign baseline site parameters & redesign sections	On Plan to Finish
Contract True-up of site designs and equipment for each site	On Going
Site Design	
Schedule Access for the Development A&E Activities at Selected Sites	On Going
Review and Approve Site Sketches	On Going
Review and Approve Zoning Drawings	On Going
Review and Approve Geotechnical Boring Plans	On- Going
Review and Approve Construction Drawings	On Going
Review and Approve Building Permit Packages	On Going
Site Construction	
Outreach to Neighborhoods for Applicable Sites	On Going
Pre- Construction Packages Review & Approval	On Going

Activity Name	Activity Status
Site Construction & Site Monitoring (where applicable)	On Going
Site Construction Inspection Approvals	On Going
Site Construction - (AGH/CRN/LARICSHQ/MLM/MMC/MVS/OAT/ONK/TPK)	Started

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	High	Delay in permit submission and release has impacted the construction schedule and ability to meet grant spending guidelines. Site changes and System redesign elements are impacting drawing progress for certain sites. The Authority and MSI continue to struggle to incorporate Authority comments, creating a quality control issue which requires additional rounds of review. This has inhibited the submission of drawings for permit and the advancement of sites through the A&E process.	Active
Site Access Agreements	Authority	High	Lease holders approvals are needed in order to implement LA-RICS improvements.	Active
Project Schedule	Motorola	High	Overall project schedule and individual site permit submissions/work starts impacted by implementation of LMR System redesign enhancements, slow A&E construction development progress, and individual site true-ups.	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
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 redesign efforts will determine system impacts. Impact includes, microwave backhaul, equipment reconfigurations, channel plan changes, system coverage, licensing, and site design and permitting.

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
Available power at sites	Escalated to Legal Counsel	8/1/2017
Demolition of existing towers	Escalated to Legal Counsel	8/1/2017

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 (Amendment 25)	\$162,696,329
Cumulative Invoice Payments from Last Report	\$ 59,606,033
Total Invoice Payments This Period	\$ 1,122,117

Remaining Amount to be Paid	\$101,968,179
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7. LA-RICS Master Schedule

Schedule review meetings are held weekly. The project schedule includes the latest list of sites and the Authority's actual and projected dates for Site Access Agreements, FEMA independent site environmental approvals, FEMA construction waivers, and site Notice to Proceeds. An exported file (XER) of the master project schedule is delivered on a weekly basis.

(See attached LMR Executive Project Summary Snapshots)

LMR Summary Schedule by Phase

Activity ID	Activity Name	Original Duration	Remaining Duration	Duration % Complete	Start	Finish	2016			2017				2018				2019				2020				2021			2022				
							J	J	J	A	J	A	J	J	S	J	A	J	J	S	J	A	J	J	S	J	A	J	J	S	J	J	A
Total		1852	1223	33.96%	09-Nov-15 A	30-Mar-22																											
LMR Phase 1		1048	419	60.02%	09-Nov-15 A	28-Feb-19																											
LMR Phase 2		715	516	27.83%	29-Sep-16 A	15-Jul-19																											
LMR Phase 3		700	495	29.29%	29-Sep-16 A	24-Jun-19																											
LMR Phase 4a (Site)		752	553	26.46%	29-Sep-16 A	04-Sep-19																											
LMR Phase 4b (SI)		1438	1223	14.95%	07-Sep-16 A	30-Mar-22																											



Monthly Report - #41

Reporting Period: 6/22/17 thru 7/21/17

**Los Angeles Regional Interoperable Communications
System (LA-RICS) – Public Safety Broadband Network**

Motorola Solutions, Inc.



MOTOROLA SOLUTIONS

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1. Executive Summary

The Los Angeles Regional Interoperable Communications System - Public Safety Broadband Network (LA-RICS PSBN) project is a 700 MHz Long Term Evolution (LTE) public safety mobile broadband network that will provide broadband services across the County of Los Angeles for the Authority's Member Agencies.

The LA-RICS Authority was awarded a Comprehensive Community Infrastructure (CCI) Broadband Technology Opportunity Program (BTOP) grant by Department of Commerce's National Telecommunications and Information Administration (NTIA) to deploy the LA-RICS PSBN system. The BTOP grant program requires that the LA-RICS PSBN system be compatible with the future Nationwide Public Safety Broadband Network (NPSBN) currently being designed and developed by FirstNet, an independent authority within the NTIA. Additionally the Authority executed a Spectrum Manager Lease Agreement (SMLA) with FirstNet for spectrum usage rights to operate on the 700 MHz public safety broadband spectrum (D-Block). The LA-RICS-PSBN system provides the Authority with the opportunity to work cooperatively with FirstNet, while participating in testing and providing input in what will ultimately form the National Public Safety Broadband Network (NPSBN).

The LA-RICS PSBN program consists of the following five (5) phases; Phase 1 PSBN System Design, Phase 2 PSBN Site Construction and Site Modification, Phase 3 Supply PSBN Components, Phase 4 PSBN System Implementation, and Phase 5 PSBN Maintenance. Phases 1-4 must have construction activities substantially completed by September 30, 2015 to be in compliance with the BTOP grant funding program. The cost for all Work performed that is not covered by the BTOP grant program will be the sole responsibility of the Authority. Phase 5 provides the Authority with the first five (5) years of one year options for Motorola to provide system monitoring and maintenance services.

On March 10, 2014 the Authority issued **NTP 1** authorizing Motorola to begin all work in Phase 1 for System Design services. Phase 1 primary activities include:

- LA-RICS Deliverables
- Project Management Plans
- System Design
- Site Design
- RF Emissions Report
- Inventory and Management System

On April 7, 2014 the Authority issued **NTP 2 for Amendment 2** to add detailed design services to Phase 1 for Additive Alternate No. 1, a Home Subscriber Server (HSS), and Additive Alternate No. 2, a Redundant Evolved Packet Core (EPC).

On June 20, 2014 the Authority issued **Amendment 3** to exercise the Unilateral Options for all Work pertaining to Phase 2, Site Construction and Site Modification, and Phase 3, Supply PSBN Components.

On June 20, 2014 the Authority issued **NTP 3** to begin limited work related to Phase 2 and Phase 3. Microwave equipment was excluded from NTP 3 until the Authority approves the backhaul design and issues a separate NTP. NTP 3 also authorized Motorola to proceed with all planning and non-site mobilization work related to Phase 2, Site Construction and Site Modification, however, no construction work at a specific project site location will be conducted until the Authority has received all required NEPA and/or any other applicable Federal and State Environmental approvals for each specific location.

On July 10, 2014 the Board of Directors approved **Amendment 4** for Phase 2, Site Construction and Site Modification, and Phase 3, Supply PSBN Components of Additive Alternate No. 1, a Home Subscriber Server (HSS) and Additive Alternative No. 2, a Redundant Evolved Packet Core (EPC).

On September 8, 2014 the Authority issued **NTP 4** to proceed with work related to Phase 3 Supply PSBN Components for Additive Alternate No. 1, a Home Subscriber Server (HSS). Phases 2 and 4 were excluded from NTP 4 as they relate to Additive Alternative No. 1. Per NTP 4, authorization to design and purchase the HSS have been issued but installation and implementation have been excluded.

On September 17, 2014 the Authority issued **NTP 5** authorizing Motorola to proceed with Work related to Site Construction and Site Modification under Phase 2 for Additive Alternate No. 1, Home Subscriber Server (HSS). With respect to Phase 2, Site Construction and Site Modification, the services to be performed for Additive Alternate No. 1 involve minor site preparation activities in order to receive applicable equipment racks within the existing communications rooms at the Fire Command and Control Facility.

On September 25, 2014 the Authority issued **NTP 6** authorizing Motorola to proceed with ordering 40 additional standard equipment packages. As of NTP 6, Motorola is not authorized to proceed with ordering any equipment that is dependent on final design approval from the Authority, including for microwave and backhaul, until such time as the Authority has approved the final design for such sites and issues an NTP. The final site and backhaul design will be completed within 60 days of the Authority finalizing site locations and tower configurations.

On September 26, 2014 the Authority issued **NTP 7** authorizing Motorola to proceed with Phase 4, PSBN Implementation Work. The work related to the installation of the Primary EPC at FCCF consists of installing, optimizing, testing, commissioning, and deploying all of the Authority-authorized portion of the PSBN including, without limitation, all hardware, software, physical and network infrastructure, data, and all other deliverables and other work necessary to implement the full functionality of the PSBN and training staff on the use of the PSBN. NTP 7 excludes installation of the System Management Monitoring Servers (SMMS - the servers required to manage and monitor the PSBN).

On October 1, 2014 the Authority approved **Amendment 6** for the removal of three (3) PSBN Sites and to make the changes necessary to reflect the replacement of undisguised antenna support structures to disguised antenna support structures at 32 PSBN Sites. Amendment 6 increases the Maximum Contract Sum by \$2,613,300 from \$175,583,275 to \$178,196,575.

On October 10, 2014 the Authority issued **NTP 8** authorizing Motorola to modify the existing order of 40 sites contemplated in NTP No. 6 (standard antenna support structures - 70 foot undisguised monopoles) to order 40 sites worth of equipment considering any mix of antenna support structures (undisguised and/or disguised, with disguised antenna support structures limited to 31 sites pursuant to Amendment No. 6) that Motorola deems necessary to commence construction activities. As of this NTP, construction activities remain prohibited pending the Authority receiving FONSI and SHPO approvals.

On October 22, 2014 the Authority issued **NTP 9** authorizing Motorola to proceed with all Phase 4 Work related to the installation of the System Management and Monitoring Subsystem (SMMS) at the County of Los Angeles' Fire Department's Fire Command and Control Facility (FCCF). The NTP included the statement: "Motorola Solutions has agreed to provide a fully geo-redundant SMMS configuration (to

begin implementation in November, 2015).” Motorola provided clarification that the agreement was still under negotiation for cost and schedule delivery and that the deployment of the geo-redundant SMMS was predicated on the NTP for the redundant Evolved Packet Core (EPC).

On November 4, 2014 the Authority issued **NTP 10** authorizing Motorola to begin construction on 94 sites provided within the NTP.

On December 2, 2014 the Authority issued **NTP 11** authorizing Motorola to proceed with all Work necessary for ordering and installing site routers and core routers at FCCF, LAPDVDC, and all sites for Phase 3, Supply PSBN Components. NTP also authorized Motorola to proceed with all Work related to Phase 3 for Additive Alternate 2 Redundant EPC to be located at LAPDVDC.

On December 2, 2014 the Authority issued **NTP 12**, authorizing Motorola to proceed with ordering an additional 75 PSBN Sites worth of standard equipment, such as antenna support structures Evolved Packet Core (EPC) components, eNodeB components, antennas, and associated accessories for all sites that are not dependent on final design approval. Additionally, Motorola is authorized to proceed with the ordering of all Work related to Phase 3, Supply PSBN Components, and Phase 4, PSBN Implementation, for TMR Cabinets and TMR battery backup components for 75 PSBN Sites.

On December 30, 2014 the Authority issued **NTP 13**, authorizing Motorola to begin construction on 31 City of Los Angeles Sites listed in NTP.

On December 31, 2014 the Authority approved **Amendment 7** to make changes necessary to reflect the replacement of undisguised antenna support structures with various types of antenna support structures at eight PSBN Sites.

On January 22, 2015 the Authority issued **NTP 14**, authorizing Motorola to proceed with ordering 25 vehicular routers.

On January 28, 2015 the Authority issued **NTP 15**, authorizing Motorola to begin construction on the two sites VEFD001 and VEFD003

On February 5, 2015 the Authority approved **Amendment 8** for the removal of thirty-six (36) PSBN Sites, include six (6) new PSBN Sites and to make the changes necessary to reconcile the hose tower installation costs for twenty-eight (28) PSBN Sites. Amendment 8 decreases the Maximum Contract Sum from \$178,196,575 to \$166,254,679.

On March 3, 2015 the Authority issue **NTP 16**, authorizing Motorola to begin construction on the four sites; ARCPD01, AZPD001, ELMNTPD, LACF159.

On March 4, 2015 the Authority issue **NTP 17**, authorizing Motorola to proceed with ordering and implementing TMR cabinets for seventy-five (75) sites.

On March 3, 2015 the Authority and Motorola presented its project status report to the NTIA and NOAA representatives. The meeting highlighted the equipment procurement plan and implementation plan to deploy 182 sites by August 15, 2015. Motorola presented the updated PSBN system coverage maps based on the 182 sites.

On March 5, 2015 the Authority approved **Amendment 9** for the removal of twenty-four (24) PSBN Sites, include six (6) new PSBN Sites and to make the changes necessary to accommodate various changes in civil construction scope at applicable sites.. Amendment 9 decreases the Maximum Contract Sum from \$166,254,679, to \$158,930,274.

On March 10, 2015 the Authority issue **NTP 18**, authorizing Motorola to proceed with ordering the necessary microwave radio equipment and accessories to implement the PSBN microwave paths identified in the approved PSBN backhaul design.

On March 18, 2015 the Authority issue **NTP 19**, authorizing Motorola to proceed with all Work related to Phase 4 (PSBN implementation) for Additive Alternate 2, Redundant Evolved Packet Core (EPC) at the Los Angeles Police Department Valley Dispatch Center (LAPDVDC).

On April 2nd, 2015 the Authority issued a formal **Suspension Order**, directing Motorola to halt the procurement equipment.

On April 3rd, 2015 the Authority received a **Stop Work Notice** for all work and was issued a Corrective Action Plan (CAP) from NOAA to be submitted by April 13, 2015. Between 3/3/15 and 3/13/15 Motorola produced numerous supporting coverage scenarios for the Authority to include within the CAP response.

On April 16, 2015 the Authority issued a letter to Motorola requesting a plan for reduced scope and an analysis of cost impact. A Schedule was released on 5/07/15 and is updated on a weekly basis.

On May 7, 2015 the Authority issued **NTP 20**, authorizing Motorola to proceed with ordering the necessary microwave radio equipment and accessories to implement the PSBN microwave paths remaining as part of the CAP site list.

On May 7, 2015 the Authority issued **NTP 21**, partially cancelling the Suspension Order that was issued on April 3, 2015 and authorized construction to resume at the 69 sites identified in the Corrective Action Plan.

On May 7, 2015 the Authority issued **NTP 22**, directing Motorola to 1) look at options are returning Additive Alternate No. 1, the Redundant Evolved Packet Core (EPC), assigned to the Los Angeles Police Department Valley Dispatch Center (LAPDVDC) to Ericsson; (2) recover the redundant EPC for Motorola's use in other projects or (3) resell the Redundant EPC to a secondary market. Motorola is evaluating the cost impacts and the legal possibilities with the directive issued in this NTP.

On May 12, 2015 the Authority issued **NTP 23**, authorizing Motorola to order fiber optic equipment and provide services via contract between Fujitsu and Motorola in order to create a link between the FCCF and the City fiber ring. NTP 23 was limited to the County portion of the design.

On May 15, 2015 the Authority issued **NTP 24**, authorizing Motorola to order leased fiber services from AT&T, Verizon, and Time Warner to provide connections between the applicable CAP sites and the FCCF EPC site.

On May 15, 2015 the Authority issued **NTP 25**, directing Motorola to 1) return the excess PSBN equipment to its manufacturers, 2) recover the excess equipment for Motorola's use in other projects,

or 3) resell the excess PSBN equipment to a secondary market, in accordance with the list of equipment in the NTP. Motorola is evaluating the list of equipment provided in the NTP and the cost impacts and the legal possibilities with the directive issued in this NTP.

On May 20, 2015 the Authority issued **NTP 26** Authorizing Motorola to order fiber optic equipment and provide services via contract between Fujitsu and Motorola to create a link between the EPC located at the Los Angeles County Fire Department's FCCF facility and the City Los Angeles fiber ring. NTP 26 expands upon the products and services in NTP 23 to include the City portion of the fiber scope.

On June 18, 2015 the Authority approved **Amendment 10** for the Inclusion of 15 Cell-On-Wheels and the Construction Restoration Work at 30 PSBN Sites.

On June 25, 2015 the Authority issued **NTP 27** Authorizing Motorola to proceed with all Phase 1 (System Design) Work for fifteen (15) Cell-On-Wheels (COWs) sites.

On June 30, 2015 the Authority issued **NTP 28** Authorizing Motorola to proceed with all Work related to construction restoration for thirty (30) PSBN Sites that have been removed from the program.

On June 30, 2015 the Authority issued **NTP 29** Authorizing Motorola to proceed with ordering nine hundred and seventy-five (975) VML-750 in-vehicle router units.

On July 16, 2015 the Authority approved **Amendment 11** to add 15 Cell-On-Wheels (COWs) and the PASDNPD site to the PSBN program.

On July 16, 2015 the Authority issued **NTP 30** Authorizing Motorola to proceed with all Phase 2 (Site Construction and Site Modification), Phase 3 (Supply PSBN components), and Phase 4 (PSBN Implementation) Work for fifteen (15) Cell-On-Wheels (COWs).

On August 13, 2015 the Authority approved **Amendment 12** to remove forty-two (42) sites from the PSBN system, authorize the removal of seven (7) tower foundations at the applicable restoration sites, to purchase 5,000 Universal Integrated Circuit Cards (UICC), purchase of five (5) CISCO routers and five (5) corresponding units of data services, and approvals for applicable change orders.

On August 13, 2015 the Authority issued **NTP 31** Authorizing Motorola to proceed with ordering five thousand (5,000) standalone universal Integrated Circuit Cards (UICCs)

On September 1, 2015 the Authority issued **NTP 32** authorizing Motorola to proceed with ordering five (5) CISCO routers and five (5) corresponding units of data and related Work that are capable of operating a 4G cellular aircard on a commercial carrier that will allow Motorola and the Authority to temporarily test eNodeB sites in the event that the permanent backhaul solution is not available at the time of site commissioning.

On September 4, 2015 the Authority approved **Amendment 13** to confirm the prior removal of 77 additional sites.

On September 23, 2015 the Authority issued **NTP 33** authorizing Motorola to proceed with replacing the security certificates at the EPC core.

On October 9, 2015 the Authority approved **Amendment 14** to adjust the contract for scope changes to tower sites.

On October 15, 2015 the Authority issued **NTP 34** instructing Motorola to provide a portion of the training plan for 9 classes.

On December 17, 2015 the Authority Approved **Amendment 15** to: (a) Settle and resolve all outstanding claims with the Contractor, including all claims from Contractor's subcontractors, and including all known and all potential future claims through the completion of the work under the Agreement, with the exception of changes to the Work directed in writing by the Authority; (b) Approve payment to the Contractor of \$15,764,246 in the specific amounts for the specific claims identified in tab C.16 of Exhibit C (Schedule of Payments) attached to the Amendment; (c) Approve the reduction of project management fees payable to the Contractor in the Agreement for sites not constructed, for a total reduction in project management fees of \$5,078,774, as reflected in tabs C.3, C.4 and C.5 of Exhibit C (Schedule of Payments) attached to the Amendment; and (d) Authorize an increase to the Maximum Contract Sum by the net amount of \$10,685,472 from \$132,899,485 to \$143,584,957.

On December 3, 2015, the Authority issued a Suspension Order for Waterway Coverage Testing, Special Operations Testing (SOT), and the Public Safety Broadband Network (PSBN) Burn-in Testing (Burn-in).

On December 21, 2015 the Authority and Motorola executed **Amendment 15** as described above.

On February 23, 2016, the Authority issued a Termination for Convenience for the Wide Area Coverage Testing.

On March 9, 2016 the Authority issued Motorola a **Termination for Convenience** for all Waterway Coverage Testing, Special Operations Testing (SOT), Public Safety Broadband Network (PSBN) Burn-in Testing (Burn-in) Testing, and for Freeway Coverage Testing.

On March 9, 2016 the Authority approved **Amendment 16** to include all Work related to additional Radio Frequency (RF) Emissions testing at twelve (12) PSBN sites to include six (6) indoor emission tests at identified sites.

On March 16, 2016 the Authority issued **NTP 35** authorizing Motorola to conduct additional RF Emissions Testing at twelve (12) PSBN Sites.

On May 4, 2016 the Authority approved **Amendment 17** to remove all Work related to Coverage, Stress, and Burn-in testing. On May 5, 2016 MSI submitted a claim for the portion of Work completed on the terminated scope. The Authority is currently reviewing MSI's submission.

On August 31, 2016 the Authority and MSI executed **Amendment 18** to extend the warranty period until 12/31/16, reconciliation of excess equipment and spare equipment, corrected construction costs associated with the LASDCVS site, and correction of administrative errors in Exhibit C.

On December 12, 2016, the Authority and MSI executed **Amendment 19** to extend the warranty period until 3/31/17; make changes necessary to upgrade the Authority's Deployable Vehicle to support upcoming special events; reflect the reduction in certain training; reflect a reduction in Wide Area Coverage Testing; reflect an increase in Optimization Work; authorize the Authority to release the ten

(10) percent Holdback for certain completed, accepted, invoiced, and paid work; and identify a net decrease in the Maximum Contract Sum by \$1,567,382.

On December 23, 2016 the Authority issued **NTP 36** authorizing Motorola to upgrade the Authority's Deployable Vehicle, System on Wheels (SOW) to support upcoming events.

On March 20, 2017, the Authority and MSI executed **Amendment 20** to reflect the relocate of certain equipment (towers, generator fuel tanks, tower hardware, etc) from the SCE Mesa Substation to the County of Los Angeles Fire Department's Del Valle Training Facility.

On March 20, 2017, the Authority and MSI executed **Amendment 21** to extend the Warranty Period on a month-to-month basis, at no additional cost; with the first month commencing on April 1, 2017 and expiring on April 30, 2017.

On March 23, 2017 the Authority issued **NTP 37** authorizing Motorola to relocate certain equipment (towers, generator fuel tanks, tower hardware, etc) from the SCE Mesa Substation to the County of Los Angeles Fire Department's Del Valle Training Facility.

On April 13, 2017, the Authority and MSI executed **Amendment 22** to create one (1) Access Point Name (APN) for a minimum of four (4) agencies.

On April 13, 2017, the Authority and MSI executed **Amendment 23** to extend the Warranty Period until May 31, 2017, at no additional cost.


On April 18, 2017 the Authority issued **NTP 38** authorizing Motorola to create one (1) Access Point Name (APN) for four (4) of the Authority's member agencies from a pool of six (6) member agencies.





On May 18, 2017, the Authority and MSI executed **Amendment 24** to exercise the first one-year Option Term for Maintenance Work under Phase 5 (PSBN Maintenance), commencing on June 1, 2017 and expiring on May 31, 2018; replace Exhibit A (Statement of Work), in particular Task 9 (Public Safety Enterprise Network Services) with new verbiage .

On May 31, 2017 the Authority issued **NTP 39** authorizing Motorola to proceed with one-year of Maintenance Work under Phase 5 (PSBN Maintenance), commencing on June 1, 2017, and expiring on May 31, 2018, unless sooner terminated or extended, in whole or in part.

This report covers the period from 6/22/17 thru 7/21/17.

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

PSBN Project Dashboard			
Category	Rating	Change	Comments
Schedule			The project schedule is complete (other than the closeout items Motorola has agreed to complete during the maintenance phase).

Quality		Performance and fulfillment of reporting tasks and metrics needs improvement
Risk		Maintenance Agreement payment rejected. The Authority is at Risk of operating with no vendor maintenance support.
Scope		Nothing new to report.
Budget		Authority has not yet authorized payment for excess equipment that was ordered by Authority and delivered prior to any stop work notices.

2. Project Status

The following sections identify task activities during the reporting period and the planned activities for the next reporting period.

2.1 Tasks In-Progress and Completed

The following depict the task activity that occurred during the current reporting period.

Activity Name	Activity Status
LA-RICS Deliverables	
Construction, Power & Fiber for 9 SCE COW Sites	In Progress
Site Construction & Site Modification (Phase 2)	In Progress
Permit Clear for Applicable LTE Sites (1 LACUSC)	
Reconfiguration of Antennas at LACUSC	In Planning
System Implementation (Phase 4)	
COW Sites Install, Configuration, Commissioning / Test	In Progress
Complete re-installation of all equipment at LACUSC	In Planning
Overall Project Closeout	
Completion of documentation submissions (Fixed Sites)	In Progress
Completion of documentation submissions (COW Sites)	In Progress
Warranty - Start of Maintenance	
Year One Maintenance Agreement	In Progress

2.2 Tasks Planned for Next Period

The following depict the task activities that are planned for the next reporting period.

Activity Name	Planned Status
LA-RICS Deliverables	
Construction, Power & Fiber for 9 SCE COW Sites	In Progress

2.3 Authority Look-Ahead Tasks (120-Day)

Activity Name	Start
LA-RICS Deliverables	
Construction, Power & Fiber for 9 SCE COW Sites	In Progress
Construction, Power & Fiber for 9 SCE COW Sites	In Progress
MSI Deliverables	
Completion of documentation submissions (COW Sites)	In Progress
Reconfiguration of Antennas at LACUSC	

3. Project Risk Register

For this monthly report, the following items are at risk.

Title	Assigned	Impact	Risk Description	Status
None				

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 were 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
M1-1	Rejection of Work Acceptance Certificate for Monthly Maintenance	Authority to provide contract citation of section allowing for the rejection of payment by 7/25/2017

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
Payment withheld for June Maintenance service.	Authority to accept WAC and make payment or issue Stop Work Order	8/1/2017

6. Financial Status

The following table represents the invoice payments that have been completed to date. The revised Contract Sum amount based on the Corrective Action Plan is being reviewed by the Authority and Motorola. For this reporting period the Contract Sum is based on Amendment 18.

PSBN Invoice Payment Category	Invoice Payment Totals
PSBN Contract Sum Full Payable Amount (Phases 1-4)	\$ 102,159,509
Cumulative Invoice Payments from Last Report	(\$ 82,524,376)
Total Invoice Payments This Period	(\$ 0.00)
Remaining Amount to be Paid	\$ 19,635,133

7. LA-RICS PSBN Project Schedule

Submitted this month under separate cover.



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

August 3, 2017

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>Meeting with UCLA Engineers</i>	May 22, 2017
<i>Meeting with DHS/EMS</i>	May 30, 2017
<i>Follow-up Meeting with the City of Bell</i>	June 7, 2017
<i>Follow-up Meeting with Chief Nunley, Signal Hill Police Chief and Team</i>	June 29, 2017
<i>Meeting with the City of Irwindale Police Chief Henshaw & Team</i>	July 5, 2017
<i>Meeting with the City of Sierra Madre Police Chief Ortiz and Fire Captain McGee</i>	July 12, 2017
<i>Meeting with Sheriff McDonnell</i>	July 19, 2017
<i>Meeting with representatives from State Parks, CalOES & State Department of General Services</i>	July 25, 2017

Members of the LA-RICS Technical Team met with Engineers from UCLA to discuss LMR site logistics.

Executive Director Edson and members of the Onboarding Team met with members of DHS/EMS to discuss a Mobile Stroke Unit.

LA-RICS Team members also attended a follow-up meeting with representatives of the City of Bell to discuss the Stage 2 Onboarding process and with the Police Chief of Signal Hill to discuss next steps for Onboarding.

AGENDA ITEM D

LA-RICS Team members next met the Irwindale Police Chief Henshaw and his team and Sierra Madre Police Chief Ortiz and Fire Captain McGee to discuss opportunities for both Cities to test equipment and to better understand PSBN and LMR.

Chief Edson met with Sheriff McDonnell and provided an update on the budget.

Chris Odenthal met with California Office of Emergency Services and State Parks to discuss a partnership and our need for sights on Parks' property.

Lastly, the Volume 2 Issue 5 of the LA-RICS Newsletter was released on July 28th.

WST:pl



**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

August 3, 2017

To: LA-RICS Authority Board of Directors

From: Scott Edson
 Executive Director

PSBN ONBOARDING UPDATE

The purpose of this discussion item is to update your Board on the status of onboarding users, exercising the system, and other onboarding related activities pertaining to the Public Safety Broadband Network (PSBN) project. The below activities have occurred:

STATUS OF PSBN AGENCY ONBOARDING		
Agency	Onboarding Status	Number of Units Installed/Demo Kit/SIM cards Received
LASD	Installations in progress.	422
LACoFD	Installations in progress.	251
Inglewood PD	Delivered 2 VML routers, installation complete. Awaiting configuration and testing of Access Point Name (APN). Checking to see if ready for next two routers.	2
Claremont PD	Two routers in use. Access Point Name (APN) have been requested.	2
Bell PD	Routers are configured and provisioned. Routers delivered June 6. Awaiting APN.	2
Covina PD	2 VML routers configured, provisioned and delivered. Awaiting installation.	2
UCLA Health	Working router configuration for the Mobile Stroke Unit. Unit will be put into service once testing is complete.	1
Health Services / EMS	Two routers configured and provisioned. Awaiting adaptor for power cable for portable hotspot kits.	2
El Segundo Fire & PD	ELFD installing two routers.	2
Signal Hill PD	Additional routers requested from FN/AT&T. Awaiting decision.	0

AGENDA ITEM E

La Verne PD & FD	Demo Kits results provided.	2
Azusa PD	No longer interested in Demo Kit	0
Irwindale	Demo Kit provided. Meeting set to pick up and share results.	1
Sierra Madre PD & FD	Demo Kits to be delivered this week.	2

Active engagement continued with interested agencies via demonstrations, providing test Demo Kits, and technical coordination meetings with the participation of the Los Angeles County Sheriff's Department (LASD) and the County of Los Angeles Fire Department (LACoFD).

During this reporting period, Executive Director Edson and/or the LA-RICS Technical Team met with representatives from the Cities of Bell, Irwindale, Sierra Madre and Signal Hill. Onboarding activities included initial meetings and assistance with the use of Demo Kits and engineering work with agencies IT departments and Motorola to establish secure connection to the PSBN with private APNs.

The meeting with Signal Hill Police Chief and staff included an update on status with FirstNet and a discussion on how to become an early user. Executive Director Edson offered to intercede with AT&T to get a long term loan of routers (11) plus two from LARICS. AT&T is evaluating the possibilities to support this request. Technical staff will return to assess the PD readiness for early use of the voice system.

The Department of Health Services, Emergency Medical Service (EMS) Mobile Stroke Unit installation of a scanner is underway.

Lastly, the LA-RICS Team continued weekly engagement with all Member agencies to facilitate their use of the PSBN.

WST:pl



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SCOTT EDSON
EXECUTIVE DIRECTOR

August 3, 2017

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

QUARTERLY UPDATE ON NO-COST AGREEMENTS

On June 1, 2017, your Board approved the No-Cost Agreement, which authorized the Authority to enter into no-cost agreements for the loan of certain equipment, goods, and/or services on a gratis basis. Your Board also requested that Authority staff brief your Board on a quarterly basis regarding the entrance of any such agreements.

The purpose of this discussion item is to update your Board on the status of any no-cost agreements between the Authority and outside entities. To date, the Authority has not entered into any no-cost agreements as reflected in the table below.

NO-COST AGREEMENTS QUARTERLY REPORT			
Entity	Execution Date	Total Dollar Value	Description of Equipment/Goods/Services
2017 – QUARTER 2			
N/A	N/A	N/A	N/A

The Authority will report back to the JPA BOD following the end of the third quarter of 2017 on the status of any executed no-cost agreements.

JA:ms

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COMMUNICATIONS SYSTEM AUTHORITY**

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Monterey Park, California 91754
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SCOTT EDSON
EXECUTIVE DIRECTOR

August 3, 2017

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

Dear Directors:

**APPROVE AMENDMENT NO. 28 TO AGREEMENT NO. LA-RICS 007 FOR
LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM –
LAND MOBILE RADIO SYSTEM**

SUBJECT

Board approval is requesting to execute Amendment No. 28 to revise Agreement No. LA-RICS 007 (Agreement) to contemplate the reconciliation of one (1) Land Mobile Radio (LMR) System Site as well as incorporation of LMR Change Order Modifications; resulting in an increase to the Maximum Contract Sum in the amount of \$900,258.

RECOMMENDED ACTIONS

It is recommended that your Board:

1. Make the following findings:
 - a. Find that an approval of the changes necessary to reflect the reconciliation of one (1) LMR System Site (Bald Mountain [BMT]) to align with the updated LMR System Design is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at BMT, which your Board previously found statutorily exempt from review under California Environmental Quality Act (CEQA) pursuant to Public Resources Code Section 21080.25, the exemption adopted specifically for the Los Angeles Regional Interoperable Communications System (LA-RICS) project, and categorically exempt under CEQA pursuant to Guidelines section 15301 (existing facilities), 15303 (new

AGENDA ITEM I

construction or conversion of small structures) and 15304 (minor alterations to land).

2. Approve Amendment No. 28 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to reflect the following:
 - a. 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 incorporate LMR Change Order Modifications for a cost increase in the amount of \$31,487.
3. Authorize an increase to the Maximum Contract Sum by \$900,258 from \$296,161,640 to \$297,061,898 when taking the cost increases into consideration.
4. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 28.
5. Delegate authority to the Executive Director to execute Amendment No. 28, in substantially similar form, to the enclosed Amendment (Enclosure).

BACKGROUND

The Authority continues to work closely with Motorola Solutions, Inc. (Motorola), on the reconciliation of sites to align with the LMR System redesign. As this is an iterative process, the ongoing design work has resulted in the need to reconcile certain Work, equipment, and corresponding costs for certain LMR System Sites to reflect the updated design.

With respect to the LMR Change Order Modifications contemplated in Amendment No. 28, Authority staff, including its consultants, and the LMR Contractor, Motorola have reviewed and negotiated each claim, including the associated costs, for each change order. The changes presented in Amendment No. 28 benefit the LMR project and are required for the completion of the LMR System. LMR change orders are considered for a variety of reasons and reflect items that were not originally considered in the contract or are performed in order to ratify an agreement between the Authority and its Contractor, Motorola, regarding work to be performed.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

Approval of the recommended actions will find certain changes at a site previously found to be exempt from the CEQA to be within the scope of the previously approved environmental documents and findings. As a result of the membership opt outs and

redesign efforts to date, it is necessary to reconcile the Work and equipment at the BMT LMR System Site.

It is necessary to include the change order modifications contemplated in Amendment No. 28, which include, but are not limited to, certain structural analysis, 3D modeling work for tower foundation, subsystem reprogramming, and power engineering work for electrical utility services. As construction continues to progress, approval of certain change order modifications may be necessary to address and continue construction activities that are above Motorola's originally contemplated scope.

FISCAL IMPACT/FINANCING

The activities contemplated in Amendment No. 28 will increase the Maximum Contract Sum by \$900,258 from \$296,161,640 to \$297,061,898 when considering the cost increases, and 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, that design, construction, implementation, operation, and maintenance of LMR System infrastructure at one (1) LMR System Site BMT is exempt from review under CEQA pursuant to Public Resources Code Section 21080.25, the statutory CEQA exemption adopted specifically for the LA-RICS, which exempts these activities as long as they meet certain criteria set forth in the exemption. The Authority also determined on November 13, 2014, that leased circuit work that may occur outside of BMT as needed to provide connectivity to the LMR System is categorically exempt under CEQA pursuant to CEQA Guidelines section 15301, 15303 and 15304. Approval of reconciliation to align with the updated LMR System Design for BMT is within the scope of the previously authorized activities, and the determination that these activities are exempt from CEQA remains unchanged. This determination is supported by substantial evidence in the custody of the Authority, which is incorporated in relevant part into the record of proceedings for this Amendment No. 28.

Upon the Board's approval of the recommended actions for this Amendment No. 28, the Authority will file a Notice of Exemption (NOE) for BMT 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.

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:ms:pl

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Enclosure

c: Counsel to the Authority

AMENDMENT NUMBER TWENTY-EIGHT
TO AGREEMENT NO. LA-RICS 007
FOR
LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM –
LAND MOBILE RADIO SYSTEM

Recitals

This Amendment Number Twenty-Eight (together with all exhibits, attachments, and schedules hereto, "Amendment No. 28") is entered into by and between the Los Angeles Regional Interoperable Communications System Authority ("Authority") and Motorola Solutions, Inc. ("Contractor"), effective as of August _____, 2017, based on the following recitals:

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 and Contractor desire to further amend the Agreement 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.

This Amendment No. 28 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. 28, 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. 28 refer to sections of the Base Document, as amended by this Amendment No. 28.

2. LMR System Site Reconciliation. The parties agree and acknowledge to reconcile one (1) LMR System Site and all corresponding Work and Components to reflect the updated LMR System Design for this site. The costs associated with this one (1) LMR System Site is included in the relevant portions of Exhibit C (Schedule of Payments). Additionally, pursuant to Section 4.3 of this Amendment No. 28, the detailed costs associated with this reconciliation are contained in Exhibit C.13.1 (LMR System Detailed Cost Summary).

RECONCILIATION OF AN LMR SYSTEM SITE – AMENDMENT 28		
Item No.	Site ID	Site Description
2.1	BMT	Bald Mountain

3. Amendments to the Base Document.
 - 3.1 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-Seven Million, Sixty-One Thousand, Eight Hundred Ninety-Eight Dollars (\$297,061,898), which includes the Contract Sum and all Unilateral Option Sums, as set forth in Exhibit C (Schedule of Payments).

 - 3.2 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 Ninety-Five Million, Ninety-Five Thousand, Five Hundred and Two Dollars (\$295,095,502). 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) to Exhibit C (Schedule of Payments) attached to this Amendment No. 28, which is incorporated herein by this reference.
 - 4.2 Exhibit C.4 (Phase 3 – Supply LMR System Components) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.4 (Phase 3 – Supply LMR System Components) to Exhibit C (Schedule of Payments) attached to this Amendment No. 28, which is incorporated herein by this reference.
 - 4.3 Exhibit C.13.1 (LMR System Detailed Cost Summary), dated June 2017, is deleted in its entirety and replaced with Exhibit C.13.1 (LMR System Detailed Cost Summary), dated July 2017, and shall be added to Exhibit C.13 (Contractor's Response to Appendix H (Pricing Requirements) to RFP No. LA-RICS 007) to Exhibit C (Schedule of Payments), which is incorporated herein by this reference.
 - 4.4 Exhibit C (Schedule of Payments) is revised to include Exhibit C.17 (LMR Change Order Modifications), attached to this Amendment No. 28, which is incorporated herein by this reference.
5. This Amendment No. 28 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. 28;
 - 5.2 Los Angeles County Counsel has approved this Amendment No. 28 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. 28; and
 - 5.4 The Executive Director of the Authority has executed this Amendment No. 28.
6. Except as expressly provided in this Amendment No. 28, 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. 28 on behalf of Contractor represent and warrant that the person executing this Amendment No. 28 for Contractor is an authorized agent who has actual authority to bind Contractor to each and every term and condition of this Amendment No. 28, and that all requirements of Contractor to provide such actual authority have been fulfilled.

8. This Amendment No. 28 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 TWENTY-EIGHT
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. 28 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: _____

Norm Folger
Motorola Project Director

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

MARY C. WICKHAM
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)	\$ -	\$ 43,491,414	\$ 3,126,924	\$ 40,364,490
Phase 2	\$ -	\$ 43,944,334	\$ 4,285,043	\$ 39,659,291
Phase 3	\$ -	\$ 63,721,412	\$ 5,194,200	\$ 58,527,212
Phase 4	\$ -	\$ 28,832,635	\$ 2,819,892	\$ 26,012,744
SUBTOTAL (Phases 1 to 4):	\$ -	\$ 179,989,796	\$ 15,426,059	\$ 164,563,736
Phase 5 (15 Years)	\$ 55,898,518	\$ -	\$ -	\$ 55,898,518
TOTAL (Phases 1 to 5):	\$ 55,898,518	\$ 179,989,796	\$ 15,426,059	\$ 220,462,254
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		\$ 31,487	\$ 3,149	\$ 28,338
SUBTOTAL	\$ 130,552,956	\$ 182,933,639	\$ 22,894,652	\$ 287,679,586
TOTAL CONTRACT SUM:	\$182,933,639			
LMR Discounts ^(Note 2)	-\$16,424,696			
MAXIMUM CONTRACT SUM(Total Unilateral Option Sum plus Total Contract Sum):	\$297,061,898			
<p>Note 1: The cost for the Project Descriptions for the Bounded Area Coverage <u>only</u> 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 Area Coverage Additive Alternate Work is reflected in Exhibit C.7 (Bounded Area Coverage Additive Alternate).</p>				
<p>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.</p>				

EXHIBIT C.4 - SCHEDULE OF PAYMENTS PHASE 3 - SUPPLY LMR SYSTEM COMPONENTS

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable	Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13,14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback	
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	BAH	Baldwin Hills	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	BJM	Black Jack Peak	\$ -	\$ -	\$ 917,609	\$ 198,138	\$ 515,961	\$ 80,765	\$ 28,058	\$ -	\$ 1,740,531	\$ 174,053	\$ 1,566,478
B.3.2 to B.3.6	BMT	Bald Mountain	\$ -	\$ -	\$ 1,351,696	\$ -	\$ 171,631	\$ 45,509	\$ 36,032	\$ -	\$ 1,604,868	\$ -	\$ 1,604,868
B.3.2 to B.3.6	BRK	Blue Rock	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	BUR	Burnt Peak	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	BVG	Beverly Glen	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	CCB	Compton Court Building	\$ -	\$ -	\$ 482,398	\$ 171,692	\$ -	\$ 80,244	\$ 36,176	\$ -	\$ 770,510	\$ -	\$ 770,510
B.3.2 to B.3.6	CEP	Century Plaza	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	CLM	Claremont	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,252	\$ -	\$ 30,252	\$ 3,025	\$ 27,227
B.3.2 to B.3.6	CPK	Castro Peak	\$ -	\$ -	\$ 548,134	\$ 318,690	\$ 381,450	\$ 80,765	\$ 51,596	\$ -	\$ 1,380,635	\$ 138,064	\$ 1,242,572
B.3.2 to B.3.6	DPK	Dakin Peak	\$ -	\$ -	\$ 483,519	\$ 198,375	\$ 427,810	\$ 80,962	\$ 39,604	\$ -	\$ 1,230,270	\$ 123,027	\$ 1,107,243
B.3.2 to B.3.6	ELSGDPD	El Segundo PD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	ENC1	Encinal 1 (Fire Camp)	\$ -	\$ -	\$ 241,401	\$ -	\$ 79,902	\$ 45,705	\$ 27,363	\$ -	\$ 394,371	\$ 39,437	\$ 354,934
B.3.2 to B.3.6	GRM	Green Mountain	\$ -	\$ -	\$ 548,134	\$ 231,585	\$ 302,182	\$ 45,708	\$ 64,130	\$ -	\$ 1,191,740	\$ 119,174	\$ 1,072,566
B.3.2 to B.3.6	HPK	Hauser Peak	\$ -	\$ -	\$ 917,311	\$ 145,772	\$ 296,409	\$ 45,509	\$ 46,753	\$ -	\$ 1,451,754	\$ -	\$ 1,451,754
B.3.2 to B.3.6	JPK	Johnstone Peak	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF028	FS 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF056	FS 56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF071	FS 71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF072	FS 72	\$ -	\$ -	\$ 546,319	\$ 83,252	\$ 210,233	\$ -	\$ 26,897	\$ -	\$ 866,701	\$ 86,670	\$ 780,031
B.3.2 to B.3.6	LACF077	FS 77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF084	FS 84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF091	FS 91	\$ -	\$ -	\$ 176,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,055	\$ 17,606	\$ 158,450
B.3.2 to B.3.6	LACF099	FS 99	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF119	FS 119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF144	FS 144	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF149	FS 149	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF157	FS 157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACF196	FS 169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACFCP09	CP-9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LACFDEL	Los Angeles County Fire Departmental Del Valle Training Camp	\$ -	\$ -	\$ 372,867	\$ 74,338	\$ 85,268	\$ -	\$ 32,590	\$ -	\$ 565,063	\$ 56,506	\$ 508,557
B.3.2 to B.3.6	LAH	LA City Hall <i>(Note 4)</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LBR	Lower Blue Ridge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	LDWP243	DWP Sylmar Water Ladder	\$ -	\$ -	\$ 431,751	\$ 74,185	\$ 79,467	\$ -	\$ 27,849	\$ -	\$ 613,252	\$ -	\$ 613,252
B.3.2 to B.3.6	MAM	Magie Mountain	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	MDI	Mount Disappointment	\$ -	\$ -	\$ 548,133	\$ 271,717	\$ 381,450	\$ 80,565	\$ 30,684	\$ -	\$ 1,312,551	\$ 131,255	\$ 1,181,296
B.3.2 to B.3.6	MLE	Mount Lee	\$ -	\$ -	\$ 548,133	\$ 262,589	\$ 391,402	\$ 123,657	\$ 29,482	\$ -	\$ 1,355,262	\$ 135,526	\$ 1,219,736
B.3.2 to B.3.6	MLM	Mira Loma Facility	\$ -	\$ -	\$ 917,609	\$ 121,774	\$ 39,740	\$ 80,764	\$ 31,324	\$ -	\$ 1,191,212	\$ 119,121	\$ 1,072,091
B.3.2 to B.3.6	MMC	Mount McDill	\$ -	\$ -	\$ 483,224	\$ 146,308	\$ 376,943	\$ 45,189	\$ 60,498	\$ -	\$ 1,112,162	\$ 111,216	\$ 1,000,946
B.3.2 to B.3.6	MTL	Mount Lukens	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	MFF	Mount Thom	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	MFW	Mount Washington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
B.3.2 to B.3.6	MVS	Monte Vista (Star Center)	\$ -	\$ -	\$ 524,294	\$ 95,096	\$ -	\$ 80,245	\$ 30,352	\$ -	\$ 729,986	\$ 72,999	\$ 656,987

EXHIBIT C.4 - SCHEDULE OF PAYMENTS
PHASE 3 - SUPPLY LMR SYSTEM COMPONENTS

Table with columns: Deliverable/Task/Section No., Site ID, Deliverable, Equipment Purchase in Phase 1 Credit per Site, DTVRS, ACVRS, LARTCS, NMDN, Microwave, Credits, Total Contract Sum - Total Payable Amount for Phase 3, 10% Holdback Amount, Payable Amount Less 10% Holdback. Includes subtotals for Site Equipment and Additional Sites (Amendment No. 10 and 17).

AGENDA ITEM I - ENCLOSURE

**EXHIBIT C.4 - SCHEDULE OF PAYMENTS
PHASE 3 - SUPPLY LMR SYSTEM COMPONENTS**

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable	Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13,14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.3.2 to B.3.6	CCT	Criminal Court (Foltz)	\$ -	\$ 547,631	\$ 101,375	\$ -	\$ -	\$ 49,600	\$ -	\$ 698,606	\$ -	\$ 698,606
B.3.2 to B.3.6	CRN	Cerro Negro	\$ -	\$ 700,610	\$ 359,241	\$ -	\$ 80,245	\$ 49,600	\$ -	\$ 1,189,696	\$ 118,970	\$ 1,070,726
B.3.2 to B.3.6	FRP	Frost Peak (Upper Blue Ridge)	\$ -	\$ 404,395	\$ 342,483	\$ 382,524	\$ 80,565	\$ 43,713	\$ -	\$ 1,253,680	\$ 125,368	\$ 1,128,312
B.3.2 to B.3.6	GMT	Grass Mountain	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 483,223	\$ 48,322	\$ 434,901
B.3.2 to B.3.6	H-17A	H-17 Helipad	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 215,658	\$ 21,566	\$ 194,092
B.3.2 to B.3.6	LARICSHQ	LA-RICS Headquarters	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,252	\$ 3,025	\$ 27,227
B.3.2 to B.3.6	LASDTEM	Temple Station	\$ -	\$ 218,743	\$ -	\$ -	\$ -	\$ 43,430	\$ -	\$ 262,173	\$ -	\$ 262,173
B.3.2 to B.3.6	LPC	Loop Canyon	\$ -	\$ 176,493	\$ 74,451	\$ 83,473	\$ -	\$ 105,885	\$ -	\$ 440,302	\$ 44,030	\$ 396,272
B.3.2 to B.3.6	LEPS	Lower Encinal Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 823,549	\$ 82,355	\$ 741,194
B.3.2 to B.3.6	MIR	Mirador	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 862,212	\$ 86,221	\$ 775,991
B.3.2 to B.3.6	MML	Magic Mountain Link	\$ -	\$ 404,395	\$ 144,298	\$ 382,884	\$ 80,565	\$ 89,241	\$ -	\$ 1,101,383	\$ 110,138	\$ 991,245
B.3.2 to B.3.6	MTL2	Mount Lukens 2	\$ -	\$ 547,298	\$ 504,306	\$ 299,795	\$ 80,565	\$ 73,460	\$ -	\$ 1,505,422	\$ 150,542	\$ 1,354,880
B.3.2 to B.3.6	PDC	Pacific Design Center	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 742,588	\$ 74,259	\$ 668,329
B.3.2 to B.3.6	PLM	Palmdale Station	\$ -	\$ 177,192	\$ -	\$ -	\$ -	\$ 91,168	\$ -	\$ 672,689	\$ -	\$ 672,689
B.3.2 to B.3.6	PMT	Pine Mountain	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 483,223	\$ 48,322	\$ 434,901
B.3.2 to B.3.6	PWT	Portshead Tank	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 314,877	\$ 31,488	\$ 283,389
B.3.2 to B.3.6	VPK	Verdugo Peak County ^(Note 9)	\$ -	\$ 546,316	\$ 232,589	\$ 163,600	\$ 80,565	\$ 49,600	\$ -	\$ 1,072,670	\$ 107,267	\$ 965,403
Subtotal for Additional Sites (Amendment No. 17)			\$ -	\$ 4,672,958	\$ 2,135,630	\$ 1,696,644	\$ 447,693	\$ 678,595	\$ -	\$ 13,991,429	\$ 1,235,796	\$ 12,755,633
ADDITIONAL SITE (AMENDMENT NO. 21)												
B.3.2 to B.3.6		Equipment Delivery										
B.3.2 to B.3.6	JPK2	Johnstone Peak - 2		\$ 403,569	\$ 271,717	\$ 299,795	\$ 80,565	\$ 43,712	\$ -	\$ 1,099,359	\$ 109,936	\$ 989,423
Subtotal for Additional Site (Amendment No. 21)			\$ -	\$ 403,569	\$ 271,717	\$ 299,795	\$ 80,565	\$ 43,712	\$ -	\$ 1,099,359	\$ 109,936	\$ 989,423
ADDITIONAL SITES (AMENDMENT NO. 25)												
B.3.2 to B.3.6		Equipment Delivery										
B.3.2 to B.3.6	BHS	Baldwin Hills County	\$ -	\$ 1,002,901	\$ 163,066	\$ -	\$ 80,245	\$ 79,826	\$ -	\$ 1,326,038	\$ 132,604	\$ 1,193,434
B.3.2 to B.3.6	DPW38	Los Angeles County Department of Public Works Pump Station 38	\$ -	\$ 403,569	\$ 146,308	\$ 297,675	\$ 80,245	\$ 63,231	\$ -	\$ 991,028	\$ 99,103	\$ 891,925
B.3.2 to B.3.6	RPV1	Rancho Palos Verdes	\$ -	\$ 177,192	\$ -	\$ -	\$ -	\$ 28,417	\$ -	\$ 205,609	\$ 20,561	\$ 185,048
Subtotal for Additional Sites (Amendment No. 25)			\$ -	\$ 1,583,662	\$ 309,374	\$ 297,675	\$ 160,490	\$ 28,417	\$ -	\$ 2,522,675	\$ 252,268	\$ 2,270,408
ADDITIONAL SITE (AMENDMENT NO. 26)												
B.3.2 to B.3.6		Equipment Delivery										
B.3.2 to B.3.6	LAN	Lancaster						\$ 30,252	\$ -	\$ 30,252	\$ 3,025	\$ 27,227
Subtotal for Additional Site (Amendment No. 26)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,252	\$ -	\$ 30,252	\$ 3,025	\$ 27,227
ADDITIONAL SITES (AMENDMENT NO. 27)												
B.3.2 to B.3.6		Equipment Delivery										
B.3.2 to B.3.6	BKK	BKK Landfill		\$ 218,743	\$ 35,341	\$ -		\$ 44,353		\$ 298,437	\$ 29,844	\$ 268,593
B.3.2 to B.3.6	UCLA	UCLA (Factor Building)		\$ 240,747				\$ 38,076		\$ 278,823	\$ 27,882	\$ 250,941
Subtotal for Additional Sites (Amendment No. 27)			\$ -	\$ 459,490	\$ 35,341	\$ -	\$ -	\$ 82,429	\$ -	\$ 577,260	\$ 57,726	\$ 519,534
B.3.7		Consoles for LARTCS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,275	\$ 50,228	\$ 452,048
B.3.8		Logging Recorder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,743,216	\$ -	\$ 1,743,216
B.3.9		System Management and Monitoring Subsystem	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 445,681	\$ 44,568	\$ 401,113
B.4.6		FCC Licensing ^(Note 6)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.10		Pre-Installation Testing Acceptance - Core Staging for SOT Prep	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
B.3.10.1.DTVRS		Pre-Installation Testing Acceptance - Core Staging for SOT Prep (DTVRS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,344,147	\$ 234,415	\$ 2,109,732

EXHIBIT C.4 - SCHEDULE OF PAYMENTS PHASE 3 - SUPPLY LMR SYSTEM COMPONENTS

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable		Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13, 14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.3.10.1.ACVRs		Pre-Installation Testing Acceptance - Core Staging for SOT Prep (ACVRS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 746,582	\$ 74,658	\$ 671,924
B.3.10.1.LARTCS		Pre-Installation Testing Acceptance - Core Staging for SOT Prep (LARTCS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 966,294	\$ 96,629	\$ 869,664
B.3.10.1.NMDN		Pre-Installation Testing Acceptance - Core Staging for SOT Prep (NMDN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 254,660	\$ 25,466	\$ 229,194
B.3.10.1.FINAL		Pre-Installation Testing Acceptance - Core Staging for SOT Prep FINAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,626	\$ 25,063	\$ 225,563
B.3.10.2.BALANCE		Pre-Installation Testing Acceptance - Balance of Sites by Site	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,456,627	\$ 245,663	\$ 2,210,964
		Equipment Shipment: Credit for Portable Radio Upgrades	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (361,900)	\$ (36,190)	\$ (325,710)
Base.22.3.2		Performance Bond for Phase 3 - Supply LMR System Components	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 474,041		\$ 474,041
		Total Lease Costs for Phase 3 - Supply LMR System Components		N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Base.22.2.1		Liability Insurance (General and Professional)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 440,691		\$ 440,691
Total for Phase 3 - Supply LMR System Components:			\$ -	\$ -	\$ 26,530,061	\$ 8,494,786	\$ 9,047,644	\$ 2,526,157	\$ 2,326,598	\$ -	\$ 63,721,412	\$ 5,194,200	\$ 58,527,212

Note 1: Pursuant to Amendment No. Three, effective as of December 19, 2013, (a) Contractor's provision and implementation of certain equipment reflected in Exhibit C.2 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Three, was moved from Phases 3 and 4 to Phase 1; and (b) Contractor was engaged to provide and implement under Phase 1, certain additional equipment reflected in Exhibit C.2 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Three, (the equipment described in clauses (a) and (b) is collectively referred to as the "Specified Equipment").

In connection therewith, (i) a Unilateral Option Sum in the amount of \$4,362,681 was moved from Schedules C.4 (Schedule of Payments Phase 3 – Supply LMR System Components) and C.5 (Schedule of Payments Phase 4 – System Implementation) to Exhibit C (Schedule of Payments) to Schedule C.2 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Three, and thereafter such Unilateral Option Sum was converted to a Contract Sum; and (ii) a Unilateral Option Sum in the amount of \$1,285,230 was added to Schedule C.2 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Three, and thereafter such Unilateral Option Sum was converted to a Contract Sum.

Note 2: Pursuant to Amendment No. Nine, effective November 19, 2014, the Authority removed 1 LMR System Site for Phases 1 through 4. As such, Credits were realized in the amount of \$646,001. However, the cost for preparing Project Descriptions for 26 potential replacement sites in the amount of \$303,524 was utilized in Phase 1. As such, the remaining Credit balance of \$342,477 is reserved for use for a future replacement site.

Note 3: Pursuant to Amendment No. Ten, effective February 17, 2015, Exhibit C.3 (Schedule of Prices - Supply LMR System Components) was amended by Amendment No. 10 to reflect the conversion of Unilateral Option Sum to Contract Sum for (a) the conversion of Unilateral Option Sum to Contract Sum for for eight (8) LMR System Site currently contemplated in the Design and the addition of five (5) LMR System Sites; and (b) the removal of four (4) sites.

Note 4: Credit in the amount of \$547,158 for LAH was moved to LAHE in Amendment No. 10 for recordkeeping purposes.

Note 5: Pursuant to Amendment No. Eleven, effective April 28, 2015, Exhibit C.3 (Schedule of Prices - Supply LMR System Components) was amended by Amendment No. 11 to reflect the a credit in the amount of \$547,158 that was moved from LAH to LAHE in Amendment No. 10.

Note 6: Pursuant to Amendment No. Twelve, effective August 27, 2015, Exhibit C.3 (Schedule of Prices - Supply LMR System Components) was amended by Amendment No. 12 to shift FCC Licensing costs to Phase 1, in the amount of \$284,041.

Note 7: Pursuant to Amendment No. Sixteen, effective December 23, 2015, the Authority removed thirty-one (31) LMR System Sites for Phase 1. As such, Credits were realized in the amount of \$1,132,374. However, adding seventeen (17) new LMR System Sites to Phase 1 in the amount of \$635,537 will be taken from the credited amount of \$1,132,374, bringing the total amount of credits down to \$363,599 (inclusive of Phase 1 Work performed for 75% drawings and building permits in the amount of \$133,238) and shall be reflected in the Whitaker Middle Peak site in Phase 3. The remaining Credit balance of \$363,599 is reserved for use for a future replacement site(s).

Note 8: Pursuant to Amendment No. Seventeen, thirty-four (34) LMR System Sites were removed from further consideration; nineteen (19) LMR System Sites were included as part of the LMR System; and Phase 3 Completion Acceptance was included. In connection therewith, and in addition to all activities contemplated in this Phase 3, Unilateral Option Sums, not previously exercised, were converted into Contract Sums.

Note 9: Pursuant to Amendment No. Seventeen, a credit in the amount of \$1,002,901 was transferred from Baldwin Hills (BAH) to Saddle Peak (SPN); a credit in the amount of \$547,298 was transferred from Mount Lukens (MTL) to Signal Hill (SGH); a credit in the amount of \$522,426 was transferred from Verdugo Peak City (VPC) to Verdugo Peak County (VPK); and a credit in the amount of \$547,158 was transferred from LACity Hall East (LAHE) to Topanga Peak (TOP).

Note 10: Pursuant to Amendment No. Nineteen, one (1) LMR System Site was removed from further consideration in Phases 1-4. Also, two (2) LMR System Sites were reconciled in Phases 2-4.

**EXHIBIT C.4 - SCHEDULE OF PAYMENTS
PHASE 3 - SUPPLY LMR SYSTEM COMPONENTS**

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable	Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13, 14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
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Note 11: Pursuant to Amendment No. Twenty-One, credit in the amount of \$563,761 from CPK was moved to BUR1, credit in the amount of \$943,771 from MLM was moved to MTL2, credit in the amount of \$181,525 from OAT was moved to LPC, credit in the amount of \$497,000 from SDW was moved to SUN, credit in the amount of \$547,298 from SGH was moved to MML, credit in the amount of \$547,158 from TOP was moved to FRP, credit in amount of \$497,000 from TPK was moved to MDI.

Note 12: Pursuant to Amendment No. Twenty-Two, credit in the amount of \$248,500 from MMC was moved to BJM and credit in the amount of \$248,000 from MMC was moved to TWR; credit in the amount of \$471,732 from RIH was moved to CPK and credit in the amount of \$471,732 from RIH was moved to DPK; credit in the amount of \$501,450 from SPN was moved to MIR and credit in the amount of \$501,451 from SPN was moved to TPK.

Note 13: Pursuant to Amendment No. Twenty-Four, credit in the amount of \$482,444 from MVS was moved to LEPS and credit in the amount of \$501,451 from TPK was moved LACDEL.

Note 14: Pursuant to Amendment No. Twenty-Five, credit in the amount of \$501,451 from LACFDEL was moved to DPK; credit in the amount of \$496,165 from WTR was moved to FRP and \$396,000 from WTR was moved to GMT. Credit in the amount of \$496,165 from WMP was moved to JPK2 and credit in the amount of \$363,599 from WMP was moved to MTL2.

Note 15: Pursuant to Amendment No. Twenty-Six, credit in the amount of \$200,000 from BUR1 was moved to DPK, credit in the amount of \$363,761 from BUR1 was moved to ENC1. Credit in the amount of \$285,000 from JPK2 was moved to SUN, credit in the amount of \$440,000 from JPK2 was moved to TWR, and credit in the amount of \$268,165 from JPK2 was moved to WS1. Credit in the amount of \$181,525 from LPC was moved to H-17A. Credit in the amount of \$300,000 from MDI was moved to MIR, credit in the amount of \$600,000 from MDI was moved to PDC, and credit in the amount of \$141,634 from MDI was moved to PWT. Credit in the amount of \$547,298 from MML was moved to BJM. Credit in the amount of \$943,771 from MTL2 was moved to RIH and credit in the amount of \$363,599 from MTL2 was moved to RIH. Credit in the amount of \$480,139 from PRG was moved to PMT.

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	\$ 6,534	\$ 653	\$ 5,881
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			\$ 31,487	\$ 3,149	\$ 28,338
TOTAL FOR ALL LMR CHANGE ORDER MODIFICATIONS			\$ 31,487	\$ 3,149	\$ 28,338

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

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

SCOTT EDSON
EXECUTIVE DIRECTOR

August 3, 2017

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

Dear Directors:

APPROVE THE FISCAL-YEAR 2017-18 PROPOSED LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY OPERATING BUDGET

SUBJECT

The Fiscal-Year 2017-18 Proposed Los Angeles Regional Interoperable Communications System Authority Operating Budget.

RECOMMENDED ACTION

It is recommended that the Los Angeles Regional Interoperable Communications System Authority (Authority) approve the enclosed Fiscal-Year 2017-18 Proposed Operating Budget of \$63,931,000 to be utilized for the continued operation of the Authority.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The enclosed Proposed Operating Budget will allow the Authority to expend funding on, among other things, the County of Los Angeles (County) project team on loan to the Authority, executed contracts, travel and training, services and supplies, equipment, Lease, Liability and Commercial Property Insurance as well as operations and maintenance of the Public Safety Broadband Network (PSBN) system.

FISCAL IMPACT/FINANCING

Federal grants will fund \$55,342,000 of grant-funded expenditures. In addition to Federal Grant revenue, \$8,589,000 will be contributed by members in Fiscal-Year 2017-18 as stated in the adopted Funding Plan, which includes approximately \$2.24 million in carryover funds from Fiscal-Year 2016-17 Long Term Evolution (LTE) Operations and Maintenance. Member contributions are made up of Member Funded Joint Power Authority (JPA) Operations in the amount of \$1,075,000, LTE Administrative Costs in the amount of \$806,000, Land Mobile Radio (LMR) Administrative Costs in the

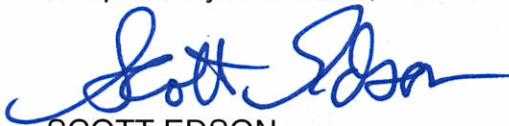
AGENDA ITEM J

amount of \$806,000, and LTE Operations and Maintenance costs in the amount of \$5,902,000.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

The Finance Committee met on July 27, 2017, and voted unanimously to recommend adoption of the proposed budget. The County's Auditor-Controller reviewed the recommended action.

Respectfully submitted,



SCOTT EDSON
EXECUTIVE DIRECTOR

SOC:pl

Enclosure

c: Counsel to the Authority



**FISCAL-YEAR 2017-18 RECOMMENDED BUDGET
EXECUTIVE SUMMARY**

PROJECT OVERVIEW

The Los Angeles Regional Interoperable Communication System (LA-RICS) is a modern collaborative effort of law enforcement, fire service, and health service professionals with the goal to provide a single, unified voice and data communication platform for all regional public safety agencies. When completed, LA-RICS will cover over 4,000 miles of diverse terrain and serve over 34,000 first responders working across 85 municipalities. LA-RICS will incorporate both a Land Mobile Radio (LMR) system and a wireless broadband data system. The LMR system will be a P25 digital, trunked system while the data system will be built using Long Term Evolution (LTE) wireless standards. LA-RICS will allow interagency coordination and response to routine, emergency, and catastrophic events.

A Joint Powers Authority ("Authority") was established in January 2009, to engage in regional and cooperative planning and coordination of governmental services. The Authority Board includes ten (10) Directors who represent a cross-section of first responder stakeholders who all share in the decision-making process, and has responsibility for setting policy and providing oversight on behalf of the Authority's Members.

The following details the proposed Fiscal-Year 2017-18 LA-RICS Operating Budget.

**LA-RICS RECOMMENDED OPERATING BUDGET FISCAL-YEAR
2017- 18**

Grant Funded Expenditures

- **LMR:** Expenditures reimbursable under the Urban Area Securities Initiative (UASI) and the State Homeland Security Grant Program (SHSGP).
- **LTE:** Expenditures reimbursable under Broadband Technologies Opportunity Program (BTOP).

Member Funded Authority Operations, LTE Administrative Cost, LTE Operation & Maintenance and LMR Administrative Cost

Member Funded Authority Operations, LTE Administrative Cost, LTE Operations and Maintenance and LMR Administrative Cost will be paid by the LA-RICS Members in accordance with the LA-RICS Adopted Funding Plan.

LA-RICS Project Team

Cost associated with salaries and employee benefits of project staff from various County of Los Angeles (County) departments, assigned to the LA-RICS project through a Master Agreement and Memorandum of Understanding between the Authority and the County Chief Executive Officer (CEO). Project staff provide support relating to daily operations of the project, including Operations, Technical, and Administrative Support. Costs are projected and will not be incurred unless grant funds are secured for the same.

Travel and Training

Cost associated with travel and training of project staff and executive management to support the project goals and mission. Projected travel includes public education, outreach meetings, airfare charges, transportation charges, per diem, and related conference fee/meeting registration charges.

Admin and Legal Contractors

Cost associated with grant funded professional services agreements and contracts between the Authority and consultant for various services, including: LA-RICS Executive Director, Interim Executive Director, legal services contract for support in matters relating to the Federal Communications Commission (FCC), Audit Preparation support for a contract to be brought before the Board for approval, if needed, Funding Plan modification as well as support from the County of Los Angeles Department of Public Works for Building and Safety and other construction/permit-related support, CEO Real Estate Division for site access negotiations and execution, and the Department of Regional Planning for zoning and construction support, as well as others as needed.

Miscellaneous

Cost associated with miscellaneous fees, including utilities, LMR Notices of Exemption (NOE) as well as escort and permit fees.

Capital Assets & Furniture

Cost associated with fixed asset purchases made by the Authority to support daily operations.

Other Charges

Includes cost associated with LA-RICS Authority Insurance, Commercial Property Insurance and FCC Licensing.

Lease, Tenant Improvements & Other Services – Suite 100 and 200

Cost associated with Lease of LA-RICS office at 2525 Corporate Place, Suite 100 and Suite 200, Monterey Park, California 91754.

Contractors/Consultants Services

This includes project management, broadband engineering, environmental studies, outreach, and deployment of the system (LMR and LTE).

LTE Operations & Maintenance

This includes LTE Maintenance Contractor and LTE Operations projected during Fiscal-Year 2017-18.

LTE & LMR Administration

This includes certain costs associated with the management and administration of the LTE and LMR system and their implementation in accordance with the Adopted Funding Plan.

CONCLUSION

Total Grant Funded Expenditures – \$55,342,000 projected in Fiscal-Year 2017-18.

Member Funded JPA Operations – \$1,075,000 projected in Fiscal-Year 2017-18 (in accordance with the Adopted Funding Plan)

Member Funded Authority Operations includes projected costs associated with activities supporting the Authority that cannot be funded by BTOP, UASI and/or SHSGP Grants as they are considered management and administration, or are unallowable under the grant guidance/regulations.

This includes:

- Certain travel and training supporting the project goals;
- Supplies required for daily operations;
- Certain Admin and Legal Contractors (Executive Director);
- Miscellaneous fees including utilities fees for testing each site, NOE and Escort and Permit Fees, etc.;
- Liability Insurance for LA-RICS JPA and Commercial Property Insurance; and
- Fixed asset, furniture purchase, and lease of LA-RICS offices.

LTE Administrative Cost – \$806,000 projected in FY 17-18 (in accordance with the Adopted Funding Plan)

Cost associated certain Project Staff management and implementation of the PSBN system including contract and grant management as well as other tasks.

LTE Operation and Maintenance – \$5,902,000 projected in Fiscal-Year 2017-18 (in accordance with the Adopted Funding Plan)

Cost of LTE Operation and Maintenance during Fiscal-Year 2017-18, including all cost associated with the projected LTE Maintenance Contractor and all other expenditures (support staff, S&S, Travel, and Miscellaneous) required to operate the LTE system, including the ongoing onboarding of users.

LMR Administrative Cost – \$806,000 projected in Fiscal-Year 2017-18 (in accordance with the Adopted Funding Plan)

LMR Administrative Cost during Fiscal-Year 2017-18, including all cost associated with certain Project team members other expenditures (S&S, Travel, Miscellaneous and Lease for Suite 100 and 200) required to deploy, implement and operate the LMR system.

Total Member Funded JPA Operations – \$8,589,000 projected in Fiscal-Year 2017-18.

**Los Angeles Regional Interoperable Communications System (LARICS)
Adopted Operating Budget
Fiscal Year 2017-18**

	FY 2015-16	FY 2016-17	FY 2016-17	FY 2017-18
FINANCING USES	ACTUALS	BUDGET	ESTIMATED	ADOPTED
Grant Funded Expenditures				
Project Team	4,732,408	6,552,000	3,447,050	5,053,000
BTOP (1)	0	1,121,000	1,121,000	2,037,000
BTOP Cash Match (2)	3,062,589	0	0	0
UASI/SHSGP Grants	1,669,819	5,431,000	2,326,050	3,016,000
Travel & Training	79,746	50,000	50,000	90,000
BTOP	79,746	32,000	32,000	50,000
UASI/SHSGP Grants	0	18,000	18,000	40,000
Services & Supplies	35,236	0	0	0
BTOP	35,236	0	0	0
Admin and Legal Contractors	188,913	703,000	39,891	250,000
BTOP (1)	177,602	373,000	33,060	150,000
UASI/SHSGP Grants	11,311	330,000	6,831	100,000
Miscellaneous * (3)	84,047	200,000	174,689	390,000
BTOP	48,668	70,000	65,000	25,000
UASI/SHSGP Grants	35,379	130,000	109,689	365,000
Other Charges* (4)	10,237	484,000	0	484,000
BTOP	9,230	0	0	0
UASI Grant	1,007	484,000	0	484,000
Contractors/Consultants Services	74,751,784	92,946,000	35,700,527	49,075,000
BTOP (1)	55,651,356	50,000,000	16,786,972	10,671,000
BTOP Cash Match (2)	1,257,000	0	0	0
UASI	17,145,759	42,246,000	18,911,224	38,404,000
SHSGP	697,669	700,000	2,331	0
Total Grant Funded Expenditures	75,562,782	100,935,000	39,412,157	55,342,000
Member Funded JPA Operations (2)				
Project Team	393,931	371,000	337,092	300,000
Travel & Training	49,261	40,000	39,609	50,000
Services & Supplies	37,966	80,000	80,000	59,000
Admin and Legal Contractors	116,479	219,000	219,000	336,000
Miscellaneous *(3)	37,504	100,000	100,000	110,000
Capital Assets & Furniture	0	50,000	0	40,000
Other Charges *(4)	79,158	76,000	59,178	60,000
Lease & Other Services - Suite 100 & 200	185,437	118,000	118,000	120,000
Total Member Funded JPA Operations	899,736	1,054,000	952,879	1,075,000
LTE Administrative Cost (2) (5)	775,000	790,000	337,457	806,000
LTE Operation & Maintenance (2)	0	3,562,000	1,318,000	5,902,000
LMR Administrative Cost (2) (5)	0	0	0	806,000
BTOP Cash Match	4,319,589	0	0	0
Total LTE & LMR Member Funded Costs	5,094,589	4,352,000	1,655,457	7,514,000
TOTAL FINANCING USES	77,237,518	106,341,000	42,020,493	63,931,000
FINANCING SOURCES				
Federal Grant Revenue		100,935,000		55,342,000
Member Contribution		5,406,000		8,589,000
BTOP Cash Match (2)		0		0
Total Available Financing		106,341,000		63,931,000

Note 1: BTOP Award in FY 17-18 includes the balance of funds from PSBN Round 1 activities, as well as Objectives 2, 4 & 5 from PSBN Round 2, pending final approval. Costs will not be incurred until BTOP Grant award is formally augmented.

Note 2: Member Funded JPA Operations, LTE Administrative Cost, LTE Operation & Maintenance, and LMR Administrative Cost are in accordance with the Adopted Funding Plan and will be provided by the County of Los Angeles as a loan.

Note 3: Fees including utilities, Notices of Exception, Escort and permit fees, etc.

Note 4: Liability Insurance for LA-RICS JPA, Commercial Property Insurance and FCC Licensing.

Note 5: LTE Administrative Cost and LMR Administrative Cost include certain costs associated with the management & implementation of the LTE & LMR Systems in accordance with the Adopted Funding Plan.

AGENDA ITEM J - ENCLOSURE

**LA-RICS
FY 2017-2018**

PROJECT TEAM	BTOP	UASI/SHSGP Funding	Member Funded JPA Operations	LTE Admin Cost	LMR Admin Cost	LTE O&M	Yearly Costs (Salary & Employee Benefits)
<u>DISTRICT ATTORNEY (DA)</u>							
Administrative Deputy II *	73,357	0	0	80,997	40,997	50,000	245,351
Fiscal Officer II *	42,565	0	0	70,512	40,512	60,000	213,589
Administrative Services Manager I	41,131	0	0	49,685	19,685	40,000	150,501
DA Total	157,053	0	0	201,194	101,194	150,000	\$ 609,441

<u>TREASURER & TAX COLLECTOR (TTC)</u>							
Staff Assistant II *	20,493	8,000	10,000	35,493	33,516	0	107,502
TTC Total	20,493	8,000	10,000	35,493	33,516	0	\$ 107,502

<u>PUBLIC WORKS (PW)</u>							
Senior Management Secretary III *	22,114	10,000	40,000	30,000	28,000	0	130,114
PW Total	22,114	10,000	40,000	30,000	28,000	0	\$ 130,114

<u>SHERIFF (SH)</u>							
Senior Secretary III *	20,000	20,000	20,000	10,000	29,440	0	99,440
SH Total	20,000	20,000	20,000	10,000	29,440	0	\$ 99,440

<u>PROBATION (PB)</u>							
Administrative Services Manager I	34,459	49,920	7,000	20,778	10,000	30,000	152,157
Executive Assistant	20,000	84,928	35,000	37,607	3,000	20,000	200,535
PB Total	54,459	134,848	42,000	58,385	13,000	50,000	\$ 352,692

<u>ISD</u>							
Administrative Services Manager III *	38,311	60,529	30,000	40,000	8,000	30,000	206,840
ISD Total	38,311	60,529	30,000	40,000	8,000	30,000	\$ 206,840

<u>UNFILLED POSITIONS</u>							
Administrative Services Manager I	65,000	60,592	15,000	12,000	0	0	152,592
Administrative Services Manager II	0	53,370	12,143	0	0	100,000	165,513
Accounting Officer II	67,058	0	1,330	40,000	30,000	0	138,388
Staff Assistant II	22,631	0	0	26,480	58,391	0	107,502
Senior Secretary III	5,264	0	24,527	40,000	36,407	0	106,198
Sr. Telecom Systems Engineer (2)	50,000	164,786	0	0	0	150,000	364,786
Communication Tower & Line Supervisor (2)	50,000	79,806	0	0	0	150,000	279,806
Sr. Electronics Communications Technician (3)	100,000	128,514	0	0	0	200,000	428,514
Unfilled total	359,953	487,068	53,000	118,480	124,798	600,000	\$ 1,743,300

<u>AUDITOR CONTROLLER (A/C)</u>							
S&EB							
Principal Accountant	0	0	10,000	7,730	0	0	17,730
Supervising Accountant	3,841	0	10,000	0	10,000	0	23,841
Senior Accountant	7,842	0		20,000	20,000	20,000	67,842
S&S							
Travel Administrative Cost	0	3,000	0	0	0	0	3,000
Single Audit	0	0	0	27,778	37,222	0	65,000
Billing Services	50,000	0	15,000	50,000	10,000	0	125,000
A/C Total	61,683	3,000	35,000	105,508	77,222	20,000	\$ 302,413

<u>COUNTY COUNSEL</u>							
Principal/Senior County Counsel (4)	107,369	180,000	30,000	50,000	80,000	120,000	567,369
County Counsel Total	107,369	180,000	30,000	50,000	80,000	120,000	\$ 567,369

**LA-RICS
FY 2017-2018**

PROJECT TEAM	BTOP	UASI/SHSGP Funding	Member Funded JPA Operations	LTE Admin Cost	LMR Admin Cost	LTE O&M	Yearly Costs (Salary & Employee Benefits)
INTERNAL SERVICES DEPARTMENT (ISD)							
Information Technology Specialist I	79,029	60,043	0	18,633	20,000	50,000	227,705
Sr. Telecom Systems Engineer (2)	87,502	126,427	0	50,857	0	100,000	364,786
Supervising Telecom System Engineer	39,058	90,000	0	16,250	10,000	50,000	205,308
Communication Tower & Line Supervisor (2)	115,961	63,845	0	0	0	100,000	279,806
Sr. Electronics Communications Technician (2)	80,889	104,787	0	0	0	100,000	285,676
ISD Total	402,439	445,102	0	85,740	30,000	400,000	\$ 1,363,282
LOS ANGELES COUNTY FIRE (FR)							
Battalion Chief (1)	50,000	68,000	20,000	10,000	20,000	70,000	238,000
Fire Captain (2)	130,000	201,170	0	20,000	10,830	60,000	422,000
Telecom System Consulting Engineer (1)	36,000	66,000	0	10,000	10,000	50,000	172,000
Fire Fighter Specialist (2)	88,800	142,000	0	31,200	0	100,000	362,000
FR Total	304,800	477,170	20,000	71,200	40,830	280,000	\$ 1,194,000
LOS ANGELES COUNTY SHERIFF (LASD)							
S&EB							
Lieutenant (1)	92,711	119,235	0	0	10,000	60,000	281,946
Sergeant (2)	157,170	227,072	0	0	0	100,000	484,242
Deputy (5)	123,002	651,408	0	0	0	100,000	874,410
Principal Information Systems Analyst	50,000	89,694	0	0	0	50,000	189,694
Operations Assistant III (1)	35,000	53,173	20,000	0	10,000	0	118,173
S&EB Total							\$ 1,948,465
S&S							
Human Resources & Procurement Services	10,000	10,000	0	0	0	0	20,000
Station B & Station On Wheel (SOW) MOU	20,000	40,000	0	0	0	40,000	100,000
LASD Total	487,883	1,190,582	20,000	0	20,000	350,000	\$ 2,068,465
Total	2,036,557	3,016,299	300,000	806,000	586,000	2,000,000	\$ 8,744,857
Total Budgeted Project Team for FY 17-18							\$ 8,744,857
* These Positions are Underfills							

**LA-RICS
FY 2017-2018**

ADMIN AND LEGAL CONTRACTORS	Maximum Contract Sum	Funding Source
Executive Director	219,000	100% Member Funded JPA
Interim Executive Director	17,000	100% Member Funded JPA
Legal Services	50,000	100% Member Funded JPA
MISC Contracts (CPA Firm/Audit Preparation/Funding Plan, etc.)	50,000	100% Member Funded JPA
MISC County Contracts (DPW, CEO, CEO RED, RP, ISD)	250,000	60% BTOP & 40% UASI/SHSGP
Total Admin and Legal	\$ 586,000	

CONTRACTORS/CONSULTANTS	Maximum Contract Sum	Funding Source
Project Construction Management* (1)	587,000	BTOP
	4,762,000	UASI 13
	2,000,000	UASI 16
	1,625,000	UASI 17
Broadband Engineering	1,364,000	BTOP
Telecommunications & Devices Contractors	8,720,000	BTOP
	7,568,000	UASI 13
	2,449,000	UASI 16
	20,000,000	UASI 17
Total Contractors/Consultants Services	\$ 49,075,000	

* (1) Amounts based on Jacob's Contract, Estimates & Projected Schedule

LTE OPERATIONS & MAINTENANCE (MEMBER FUNDED)		Funding Source
LTE Operations & Maintenance Contractor	2,991,000	Member Funded
Project Team, Professional Consultants, Travel, Services & Supplies, Misc.	2,911,000	Member Funded
Total LTE Operations & Maintenance	\$ 5,902,000	

LMR ADMINISTRATIVE COST (MEMBER FUNDED)		Funding Source
Project Team	586,000	Member Funded
Services, Supplies, Travel, lease & Misc	220,000	Member Funded
Total LMR Administrative Cost	806,000	

LTE ADMINISTRATIVE COST (MEMBER FUNDED)		Funding Source
Project Team	806,000	Member Funded
Total LTE Administrative Cost	806,000	