



AGENDA

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

BOARD OF DIRECTORS MEETING

Thursday, February 2, 2017 • 9:00 a.m.

Los Angeles County Sheriff's Department

The Hertzberg Davis Forensic Science Center

1800 Paseo Rancho Castilla, Conference Room 263

Los Angeles, CA 90032

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

AGENDA POSTED: January 26, 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:

John Radeleff, Interim 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. January 12, 2017 – Regular Meeting Minutes

Agenda Item A

IV. PUBLIC COMMENTS

V. CONSENT CALENDAR – (None)

VI. REPORTS (B-C)

B. Director’s Report – John Radeleff

- LTE Update
- LMR Update
- Grant Status
- 90-day Assessment
- Onboarding Update

C. Project Manager’s Report – Chris Odenthal

Agenda Item C

VII. DISCUSSION ITEMS (D-F)

D. Outreach Update

Agenda Item D



E. PSBN Onboarding Update

Agenda Item E

F. LA-RICS Subscription Plan

Agenda Item F

VIII. ADMINISTRATIVE MATTERS (G-H)

G. LA-RICS SPECIAL EVENT DEPLOYMENT POLICY

It is recommended that your Board:

1. Delegate authority to the Interim Executive Director to approve participation in special and/or pre-planned events (event) on a case by case basis, as follows:
 - a. LA-RICS Authority will provide available equipment and use of the System(s) to Members free of charge;
 - b. Non-Members / Requesting agency will be responsible for costs associated with staff required to support the event;
 - i. Requesting agency will be responsible to enter into cost-recovery agreement(s) with agencies employing the support staff;
 - c. Non-Member / Requesting agency will be responsible for other direct costs associated with LA-RICS' participation in the event.
2. If the policy above is not acceptable, provide direction to staff accordingly for other policy considerations.

Agenda Item G



H. APPROVE AMENDMENT NO. ONE TO AGREEMENT NO. LA-RICS 011 FOR PROFESSIONAL SERVICES

It is recommended that your Board:

1. Approve Amendment No. 1 to the Professional Services contract with Radeleff Consulting, substantially similar in form to the Enclosure, which revises the Agreement to reflect the following:
 - a. Extend the current Term to March 25, 2017, for Interim Executive Director services.
 - b. Effective March 26, 2017, extend the Term to August 31, 2017, for Project Consultant services.
 - c. Effective March 26, 2017, authorize the Consultant to assume the capacity and scope of Project Consultant.
 - d. Maintain the hourly rate of \$105 while Radeleff Consulting is in the Project Consultant capacity.
 - e. Increase the Maximum Contract Sum by \$50,000 from \$218,400 to \$268,400 for this proposed work.
2. Authorize the Chair of your Board, or his designee, to execute Amendment No. 1, in substantially similar form to the Enclosed Amendment (Enclosure).

Agenda Item H

IX. MISCELLANEOUS – NONE

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

XI. CLOSED SESSION REPORT

1. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
(Government Code Section 54957(b)(1))
Title: Executive Director / Interim Executive Director
2. PUBLIC EMPLOYMENT
(Government Code Section 54957(b)(1))
Title: Executive Director / Interim Executive Director



3. CONFERENCE WITH LABOR NEGOTIATORS
(Government Code Section 54957.6)
Labor Negotiator: County Counsel

XII. ADJOURNMENT and NEXT MEETING:

Thursday, March 2, 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**

January 12, 2017
The Hertzberg Davis Forensic Science Center
1800 Paseo Rancho Castilla, Conference Room 223 through 227
Los Angeles, CA 90032

Board Members Present:

Cathy Chidester, Dir., EMS Agency, County of LADHS
Joe Ortiz, Chief of Police, City of Sierra Madre Police Dept.
Mark Alexander, City Manager, CA Contract Cities Assoc.
Mark Fronterotta, Chief of Police, City of Inglewood Police Dept.
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, Asst., Fire Chief, County of Los Angeles Fire Dept.
Dean Gialamas, Division Dir., Los Angeles County Sheriff's Dept.

Officers Present:

John Radeleff, LA-RICS Interim Executive Director

Absent:

Chris Donovan, Fire Chief, City of El Segundo Fire Dept.



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 9:13 a.m.

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 AND FOR THE SPECIAL MEETING

A. December 12, 2016 – Regular Meeting Minutes

Director Gialamas asked for a motion to approve both sets of minutes, Alternate Member Geiger motioned first, seconded by Alternate Member Bundesen.

Ayes 9: Chidester, Alexander, Fronterotta, Nunley, Curley, Geiger, Bundesen, Gialamas, and Gialamas.

MOTION APPROVED

IV. PUBLIC COMMENTS – (None)

V. CONSENT CALENDAR – (None)

VI. REPORTS (B-C)

B. Director's Report – Susy Orellana-Curtiss

Administrative Deputy Susy Orellana-Curtiss filled in for Interim Executive Director Radeleff. Administrative Deputy Orellana-Curtiss asked Lieutenant Judy Anderson to provide a report on the Rose Parade/Rose Bowl demonstration. Lieutenant Anderson stated LA-RICS was able to support the events with the Public Safety Broadband Network (PSBN) and Land Mobile Radio (LMR) system. One thing that LA-RICS did differently this year is we used our LMR radio system; we had over one thousand deputies that were issued radios that could be used on the new system as well as with the Pasadena Police Department, by programing their radios so they can use our frequencies. This allowed less congestion and allowed additional frequency availability for emergencies. The PSBN system supported the use of six cameras along the parade route, which were streaming videos back to the command post as well as one Strong Watch Camera on a vehicle. We also had one hundred push-to-talk radios that were primarily used by the City of Pasadena, County of Los



Angeles Fire Department, Sheriff's Department Investigators, and LA-RICS staff. LA-RICS also had one Automatic License Plate reader and was using the PSBN system to support two additional License Plate readers that were using a commercial carrier.

Lieutenant Anderson stated both systems worked as expected but we did have issues logistically. There was a programming issue that arose on the Pasadena side but we did not experience any issues on our side. The issue was the radios had duplicate identification numbers, so we rebooted the system and the issue was resolved temporarily. There were some coverage issues in the red zone and we are working with Motorola on adjusting one of the sites antennas to correct the issue. For future events we are going to use cell-on-wheels (COWs) to increase the coverage. Many agencies were part of the Rose Parade deployment, such as the County of Los Angeles Fire Department, City of Pasadena, United States Department of Homeland Security, Federal Bureau of Investigation, and California Highway Patrol. The system work flawlessly aside from some coverage issues and the users were pleased with the system.

Administrative Deputy Orellana-Curtiss stated that Interim Executive Director John Radeleff wanted to thank the team for their efforts in coordinating and supporting the Rose Parade deployment. Director Dean Gialamas stated that in the past years we have been testing the system and this year it was not a test, the system was put to use with video and radio communications and congratulated the team.

Administrative Deputy Orellana-Curtiss provided an update on the status of the Broadband Technology Opportunities Program (BTOP) grant, stating they have provided us with some verbal approvals regarding three of our objectives that were submitted in our Project Implementation Plan (PSBN Round 2), which included three rapid response vehicles as well as a request for \$1.8 million for the public safety enterprise network (PSEN) connectivity to allow members to connect to the PSBN Core as well as objective number five which is a testing and demonstration center at the LA-RICS Headquarters. We are having discussions with NTIA regarding objective number three, which is the purchase and development of applications for public safety as well as some NOC infrastructure improvements, estimated to cost \$2.1 million. NTIA has informed us that objectives two, four, and five are likely to receive approval in the coming weeks, and we hope to bring written conformation to the Board at the February meeting. The request to construct an additional 26 sites is on hold. The next step is to proceed with a modified approach. We are seeking approval from NTIA to move forward with the deployment of PSBN sites collocated on LMR sites. NTIA is reviewing the proposal and they hope to have a response to us in the next few weeks which we will report to your Board.



Director Gialamas stated the Sheriff and Fire Chief made some calls to Washington D.C. to the grant agencies to help speed the process with the hope that the funding will be released.

Administrative Deputy Orellana-Curtiss stated that Project Manager Chris Odenthal will provide more details on the status of LMR construction activity funded by the UASI grant. We once again had a compressed timeframe to spend UASI 12 grant due to State and Federal approvals received late in December, and have been able to expend \$4 million dollars to date, with \$13.5 million left to spend between now and March 31, 2017. We are on target to complete all the work. LA-RICS has run into an issue with the Mayors' Office for reimbursement of claims that have been submitted for payment. Our cash flow is limited to \$10 million dollars and with \$18 million in expenditures projected in the next two months under the UASI 12 and UASI 14 grant the cash flow account will be depleted and unable to pay incoming bills. The City has taken more than two months to approve claims submitted. We are in discussions with the County to increase our cash flow so that we do not delay the claims submission process. Alternate Member Geiger asked who is the contact at the Mayors' Office? Administrative Deputy Orellana-Curtiss stated Caitlin Ishigooka is the Director of Grants, and we are working with her and have escalated our concerns to management. The City has told us the process is very detailed and that their review process goes through several offices of the City. Once received from the City, the State has committed to turn over our claims in two weeks.

Alternate Member Geiger recommendation to the Board as an Action Item for staff to consider as we transition to the new Executive Director that the Directors Report be agenzized in writing or supported in writing for purposes of transparency, accountability, verifiability, and institutional knowledge.

C. Project Manager's Report – Chris Odenthal

Project Manager Chris Odenthal provided an update on the status of LTE 1 and stated that we went over the details of the Rose Parade and added input on the organization for the event. It was more of a standard procedure, what public safety typically does to keep the people safe. The tool that the Rose Parade used to accomplish this task was LA-RICS. There was no question on how it was going to work or function and that was a direct result of all the background work from the last year's deployment. This Board receives monthly updates on the system but do not see the tangible product. It was an important moment for the program and those that have invested ten years in its development. Operationally the system went on without a hitch but only because of the work that went on in the last year.

Board Member Alexander stated he understands that last year and this year was the trial period, however, is this considered a Pasadena ask or a County use? Who is the lead for special events such as these? Project Manager Odenthal stated the Board is the lead and with their delegated authority the Executive Director takes that



lead. One of the objectives that were approved by NTIA is the cost to interconnect users to the System, and that will facilitate onboarding users for events such as these. Board Member Alexander stated there are events throughout the county where security is very important, is this something we sell to a city such as Pasadena or as a member or if this is a service is that available to them for an event or available to anyone? Administrative Deputy Orellana-Curtiss stated there will be a policy decision that has to be made when an event, such as the Rose Parade arises, and participation is not considered mutual aid but instead a pre-planned / special events that may require revenue to offset our operational costs. Board Member Alexander asked if the policy has been developed and Administrative Deputy Orellana-Curtiss stated it has not. Board Member Alexander recommended to the Board we bring forth a Discussion Item regarding potential policy for subscribers/members to LA-RICS for special events, such as the Rose Parade.

Board Member Fronterotta mentioned the football stadium will be built in a few years and suggests we use the system at smaller events to prepare for the larger events. Board Member Alexander stated any large venues will need to use the LA-RICS system. Board Member Cathy Chidester stated we need to keep on the radar at what point we ask users to join as a member or pay to use the system. Project Manager Odenthal stated the County was always going to use LTE and LMR the question becomes how do we balance charging an agency we want to join versus a need for public safety? Board Member Alexander mentioned in the future we will have the Olympics. Alternate Member Geiger stated it is an inexpensive opportunity for non-subscriber's to test the system. Project Manager Odenthal stated the Sheriff's and Fire Department are using the modems and are using the PSBN now and that is the next step for each of the agencies. Alternate Member Geiger provided a recommendation to the Board as a Discussion Item on the upcoming months to summarize efforts taken and interest for potential use for other jurisdictions. Director Gialamas stated we will have the Executive Director put a strategic plan together moving forward.

Project Manager Odenthal stated in regards to Round 1, we are out two months for closing out the LTE program. The remaining SCE COWs work is progressing, Motorola has agreed to the necessary steps and we are expecting the remaining nine COWs to be operational sometime in February. This will provide 15% increase at those sites for the region, mostly in the basin.

In regards to the status of PSBN Round 2, Administrative Deputy Orellana-Curtiss went over most of the information; we are looking at 18 to 20 collocated LMR sites that are being planned. We will provide site numbers, locations and maps back to NTIA by the end of this week. We are working with Motorola to create a standardized approach for what it costs to install LTE equipment at LMR sites.



In regards to the status of permits for LMR, we have four permits in hand that are being constructed under UASI 12. The drawing process and SAA process is moving along.

I. DISCUSSION ITEMS (D-E)

D. Outreach Update

Administrative Deputy Orellana-Curtiss provided a summary of the meetings and demonstrations, which were held in the month of December. The Cities of El Segundo, Palos Verdes, representatives from California State Parks and Recreation, and Claremont Police Department among others received outreach related activities in the month of December. Administrative Deputy Orellana-Curtiss asked if there were any questions. There was no discussion.

E. Land Mobile Radio Redundant Core Relocation

Administrative Deputy Orellana-Curtiss provided some historical information regarding the relocation of the Core 2 and made reference to a copy of the letter sent on behalf of the LA-RICS Board by the Chair and Vice-Chair to the State to approve funding the relocation of the second core for the LMR system, which is currently housed at Los Angeles Police Department (LAPD) Valley Dispatch Center (VDC). Once the City of Los Angeles opted-out of the LA-RICS Authority we no longer have 24/7 required access, which is necessary for operational needs. We submitted a request to the State and Federal Emergency Management Agency (FEMA) almost a year ago regarding the movement and reconfiguration of the Core to its new home in the County of Los Angeles Sheriff's Department Palmdale (PLM) Station. In your agenda packets (Agenda Item E) we included the response from the State which is the letter dated December 27th denying the approval of payment for the relocation. They asked us to bring the item back and identify additional funding sources for the movement of that core and we need to report back to the State with a plan to relocate. LA-RICS wanted to provide the Board with this information to inform you that we will be looking into resources to move the Core to the PLM Station. This is an urgent matter as stated in the letter. Administrative Deputy Orellana-Curtiss asked if there were any questions. Alternate Member Bundesen asked as a matter of discussion, can Fire and Sheriff work together and see if there's a solution to have the Core moved. Administrative Deputy Orellana-Curtiss thanked Alternate Member Bundesen for the offer and urged the other board members to provide resources, if available.



II. ADMINISTRATIVE MATTERS (F-I)

F. APPROVE SITE ACCESS AGREEMENTS WITH THE COUNTY OF LOS ANGELES AND THE CITY OF CLAREMONT, AND AN AMENDMENT TO SITE ACCESS AGREEMENT WITH THE CITY OF LONG BEACH FOR LAND MOBILE RADIO SYSTEM SITES

Executive Assistant Wendy Stallworth-Tait presented to the Board Agenda Item F, Approval of Site Access Agreements (SAA) with the County of Los Angeles and Claremont and an Amendment to SAA with the City of Long Beach for LMR System, and requested that the Board take the following action:

1. Find that the approval and execution of the Site Access Agreements (SAA) for Cerro Negro (CRN), and Claremont (CLM) to allow for all Land Mobile Radio (LMR) system work to occur at these two sites, as covered by the SAAs are within the scope of the activities previously authorized at site CRN on December 17, 2015, and at site CLM on November 13, 2014, 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.
2. Find that (a) approval of the Amendment to an existing SAA with the City of Long Beach for site SGH to allow for all Land Mobile Radio system work to occur at this site is (a) within the scope of the impacts analyzed in the Final Environmental Impact Report (EIR) for the LA-RICS LMR System previously certified under the CEQA on March 29, 2016; and (b) there are no changes to the project at this site 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.
3. Authorize the Interim Executive Director to finalize and execute agreements substantially similar in form to the enclosed SAAs and Amendment to SAA.

Board Member Alexander asked to excuse himself from voting on this item due to a conflict.

Alternate Member Geiger moved to approve all three but asked to vote on each individually.

On Recommendation No. 1, Director Gialamas asked for a motion, Alternate Member Geiger motioned first, seconded by Alternate Member Gialamas.

Ayes 8: Chidester, Fronterotta, Nunley, Curley, Geiger, Bundesen, Gialamas, and Gialamas.



Abstention 1: Alexander

On Recommendation No. 2, Director Gialamas asked for a motion, Alternate Member Geiger motioned first, seconded by Alternate Member Gialamas.

Ayes 9: Chidester, Alexander, Fronterotta, Nunley, Curley, Geiger, Bundesen, Gialamas, and Gialamas.

On Recommendation No. 3, Director Gialamas asked for a motion, Alternate Member Geiger motioned first, seconded by Alternate Member Gialamas.

Ayes 9: Chidester, Alexander, Fronterotta, Nunley, Curley, Geiger, Bundesen, Gialamas, and Gialamas.

MOTION APPROVED

G. APPROVE AMENDMENT NO. 24 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 G, Amendment No. 24 to Agreement No. LA-RICS 007 for the LA-RICS LMR system, and requested that the Board take the following action:

1. Make the following findings:
 - a. Find that (a) approval of the changes necessary to reflect the reconciliation of two (2) LMR System Sites (Agoura Hills (AGH) and Verdugo Peak (VPK)) to align with the updated LMR System Design are within the scope of the impacts analyzed in the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System 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 further review under CEQA.
 - b. Find that (a) approval of the changes necessary to reflect the reconciliation of four (4) LMR System Sites (Bald Mountain (BMT), Cerro Negro (CRN), Monte Vista (MVS), and Oat Mountain Nike (ONK)) to align with the updated LMR System Design is within the scope of the activities previously authorized at these four (4) sites 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 Los Angeles Regional Interoperable Communications System project.

2. Approve Amendment No. 24 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to reflect 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.
3. Authorize an increase to the Maximum Contract Sum by \$2,379,232, when taking the cost increase into consideration from \$286,466,082 to \$288,845,314.
4. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 24.
5. Delegate authority to the Interim Executive Director to execute Amendment No. 24, in substantially similar form, to the enclosed Amendment (Enclosure).

Director Gialamas asked for a motion, Alternate Member Geiger motioned first, seconded by Alternate Member Bundesen.

Ayes 9: Chidester, Alexander, Fronterotta, Nunley, Curley, Geiger, Bundesen, Gialamas, and Gialamas.

MOTION APPROVED

H. AMENDMENT NO. 23 TO THE PROJECT AND CONSTRUCTION MANAGEMENT SERVICES AGREEMENT

Contracts Manager Arismendez presented to the Board Agenda Item H, Amendment No. 23 to the Project and Construction Management Services Agreement, and requested that the Board take the following actions:

1. Approve an increase to the Maximum Contract Sum in the amount of \$240,000 increasing the Maximum Contract Sum amount from \$37,858,957 to \$38,098,957, to allow Jacobs to continue assisting the Authority with the PSBN Warranty closeout work through March 31, 2017.
2. Delegate authority to the Interim Executive Director to execute Amendment No. 23 with Jacobs, substantially similar in form to the enclosed, and issue one or more Notices to Proceed for this work.

Director Gialamas asked for a motion, Board Member Alexander motioned first, seconded by Board Member Gialamas.



Ayes 9: Chidester, Alexander, Fronterotta, Nunley, Curley, Geiger, Bundesen, Gialamas, and Gialamas.

MOTION APPROVED

I. APPROVE AMENDMENT NO. 9 FOR PROFESSIONAL BROADBAND ENGINEERING CONSULTING SERVICES

Contracts Manager Arismendez presented to the Board Agenda Item I, Amendment No. 9 for Professional Broadband Engineering Consulting Services, and requested the Board to take the following actions:

1. Approve an extension to the term of the Televate Agreement to March 31, 2017, to allow Televate to continue assisting the Authority with the PSBN Warranty Period closeout work.
2. Approve an increase to the Maximum Contract Sum in the amount of \$415,000, increasing the Maximum Contract Sum amount from \$7,646,978 to \$8,061,978 to allow Televate to continue assisting the Authority with the PSBN Warranty Period closeout work through March 31, 2017.
3. Delegate authority to the Interim Executive Director to execute Amendment No. 9, substantially similar in form to the Enclosure.

Director Gialamas asked for a motion, Alternate Member Geiger motioned first, seconded by Alternate Member Bundesen.

Ayes 9: Chidester, Alexander, Fronterotta, Nunley, Curley, Geiger, Bundesen, Gialamas, and Gialamas.

MOTION APPROVED

III. MISCELLANEOUS – NONE

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

The following discussion took place among the Board regarding future items and/or items that require action by the Board for consideration:

Board Member Chidester asked that we develop a policy, procedures and some cost for users.



Director Gialamas recommended that staff return with discussion points pertaining to the subscription plan or model/policy; this task may require a subcommittee's participation.

Board Member Alexander asked if the Finance/Operations Committees will discuss the Funding Plan (long-term/short-term policy). Director Gialamas recommended we discuss ideas in parallel.

Board Member Alexander recommended the Finance Committee look into the subscription plan and/or Funding Plan changes. Alternate Member Geiger agreed with Board Member Alexander that the Finance Committee should review and present this to the Board.

Board Member Chidester stated that there will be upcoming large scale events that will require reimbursement for the vendor services and some sort of cost should be considered. Board Member Nunley stated in addition the deployment of resources also is an issue, referred to a delay in time to get testing kits needed by his agency and recommended a policy to assist with streamlining the process.

Alternate Member Bundesen suggested perhaps the Operations Committee should be included in these conversations and Director Gialamas stated we may need to form a subcommittee.

Director Gialamas stated the first recommendation is for a subscription plan or model and the second is to develop the policy for LA-RICS' participation at special events / pre-planned events.

V. CLOSED SESSION REPORT

1. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
(Government Code Section 54957(b)(1))
Title: Executive Director / Interim Executive Director
2. PUBLIC EMPLOYMENT
(Government Code Section 54957(b)(1))
Title: Executive Director / Interim Executive Director
3. CONFERENCE WITH LABOR NEGOTIATORS
(Government Code Section 54957.6)
Labor Negotiator: County Counsel

The Board entered into Closed Session at 10:08 a.m., and returned to Open Session at 10:17 a.m.; the Brown Act does not require a report.



VI. ADJOURNMENT and NEXT MEETING:

Thursday, March 2, 2017, at 9:00 a.m., location to be TBD.



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.

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 through the convergence of the latest technologies, thereby enhancing the safety of first responders and improving responsiveness to our 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 77 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. 58

For January, 2017

Submitted January 25 2017

Confidentiality Notice: This document may contain confidential or legally privileged information that is intended only for the individual or entity to whom it was addressed. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution, or reliance upon the contents of this report is strictly prohibited. This document is covered by the Electronic Communications Privacy Act, 18 U.S.C. §§ 2510-2521 and is legally protected.

LTE-1 UPDATES

Site/Civil/Closeout

- Construction is complete on 63 sites and four COW's. There are an additional nine (9) SCE COW sites which are to be completed in late February.
- Each of the 63 sites have received initial versions of the Close-out books required to meet the documentation requirements of the Contract. MSI is still in the process of collecting outstanding materials for inclusion in the final document sets. Final document sets are due by March 31, 2017.

Network/Acceptance Test Plans (ATPs)

- The implementation of Rev 9 to Rev11 for the Core is scheduled for completion in late February 2017. These software upgrades will provide visibility into the overall performance assisting LARICS operations team during present and future optimization for ongoing maintenance of the system.

SCE COWS

- All COWs are in place with 2 COWs still requiring final electrical. The remaining 5 COWs are connected and waiting for the final 2 for backhaul.
- SCEMESA has been moved and is waiting for redeployment.
- SCESTUD will be relocated on the existing site. The new proposed location will require drawings for final SCE approval scheduled for 1-30-17.

Operations/Training

- Operations classes will be on-going through Q2 2017. These are essential tools required to operate and maintain the PSBN network. The NOC, both LA-RICS' and MSI's in Schaumburg, are currently in operation. LA-RICS's facility is manned 5 days a week by an LA-RICS technician.

Special Events

- Los Angeles County Sheriff (LASD) and Los Angeles County Fire (LACoFD) will provide demonstrations for government agencies and potential users to provide insight into the PSBN technology.

LTE-2 UPDATES

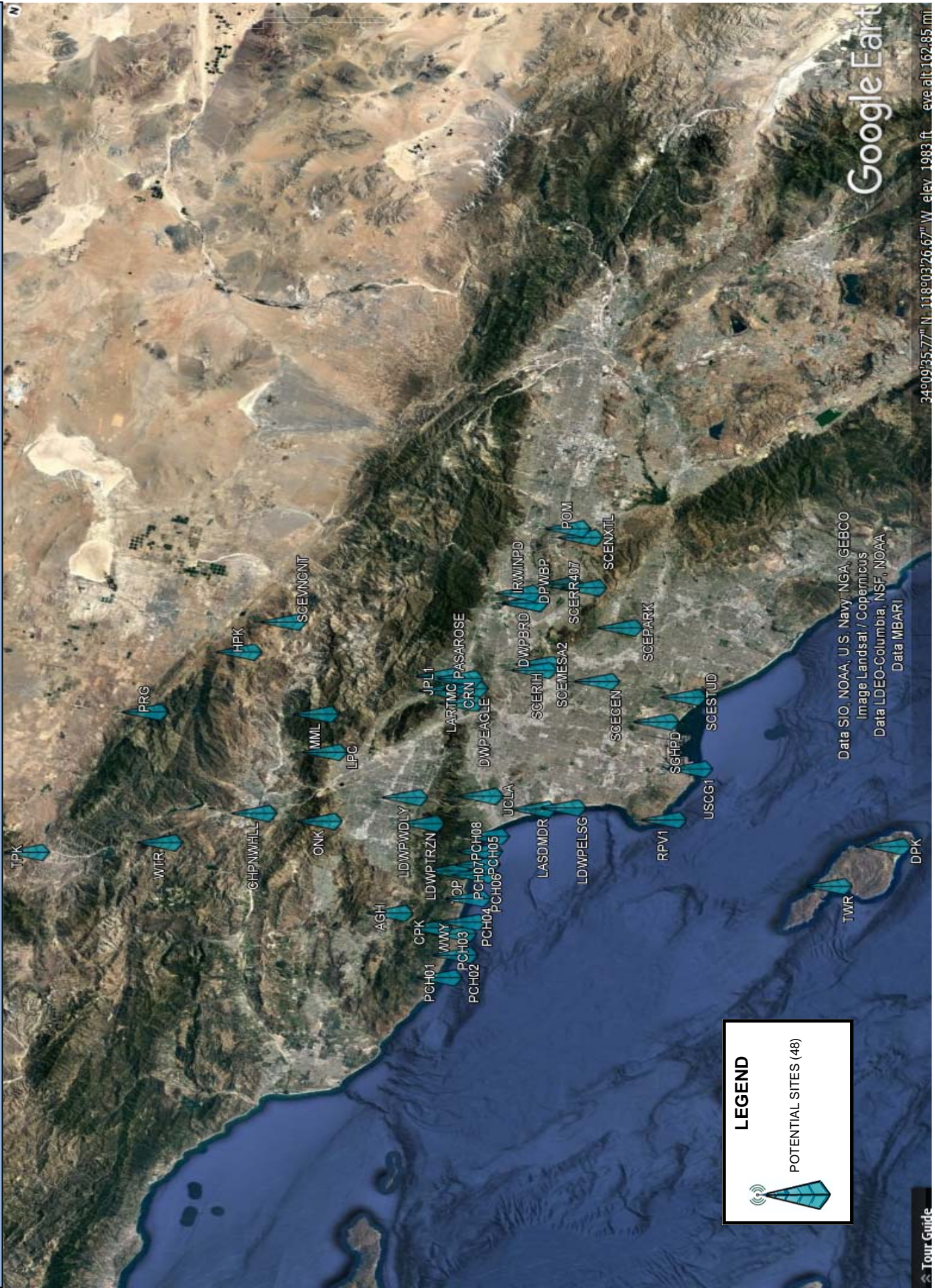
PSBN Round 2 Plan

- NTIA issued questions to the plan and the LA-RICS Team provided responses. NTIA has reviewed those responses and requested LA-RICS integrate the final responses in the Project Implementation Plan (PIP) and remaining responses via Addendum.
- NTIA is considering releasing funds for a subset of the Objectives in the Round 2 Plan. NTIA is not considering allowing the Authority to move forward with any construction related activities or site deployments at this time. A approval may be granted to LA-RICS for Rapid Response Vehicles, Testing and Validation Center and applications for other functionalities which support the Network. The Authority submitted a plan to build-out 20 additional sites in conjunction with the LMR deployment. Each of these sites are in the LMR build plan and the efficiencies garnered from simultaneous deployment significantly lower the expected costs. NTIA is currently reviewing the plan.

Budget

- The remaining BTOP budget is approximately \$37 million and will be used to build out additional sites as well as assist in application development and network management.
- Individual site budgets have been completed defining sites by raw land, co-locate, and roof top.
- Final narrative of the LTE2 plan was revised by the team then provided to NTIA on January 17 for review.

POTENTIAL LTE-2 SITES



LEGEND



POTENTIAL SITES (48)

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

Google Earth

34°09'35.77" N, 118°03'26.67" W elev. 1983 ft. eye alt. 162.85 mi

LMR UPDATES

Environmental Update

- Attended teleconferences with FEMA and CalOES on January 4 and 18.
- Submitted Section 106 exemption information to FEMA for 6 sites on January 13.
- Submitted EMIS data packages for Group 4 sites on January 13
- Prepared and submitted two versions of a draft letter for FEMA to submit to USFWS regarding project changes at Site AGH on December 28.
- Submitted information to SHPO on project changes at sites AGH and VPK on December 29 and received responses on January 5 stating no change to previous SHPO findings.
- Prepared 6 NOEs and 2 NODs for sites approved for SAA or true-up at the January 12 Board meeting.
- Continued to work with Pyramid on their environmental compliance documents and compliance reporting plans and requirements including supporting WEAP trainings. Reviewed pre-construction forms and daily and weekly compliance reports .
- Attended site walks with the Authority and MSI.
- Jacobs is preparing a BA and a BE to support a Temporary Special Use Permit for geotechnical activity on USFS sites.

Budget

- Jacobs and MSI are currently working through contractual True-up for all sites Phases 2-4. There are 25 sites that have been Trued-up to date and the Authority and MSI are currently working on 14 additional sites. 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

The LMR System Design is progressing. MSI Engineers have completed over 85% of the site designs focusing now on the backhaul (BH). The Authority attended a Microwave backhaul design status overview meeting on December 6, 2016 at the Motorola office. These initial discussions were to outline the following:

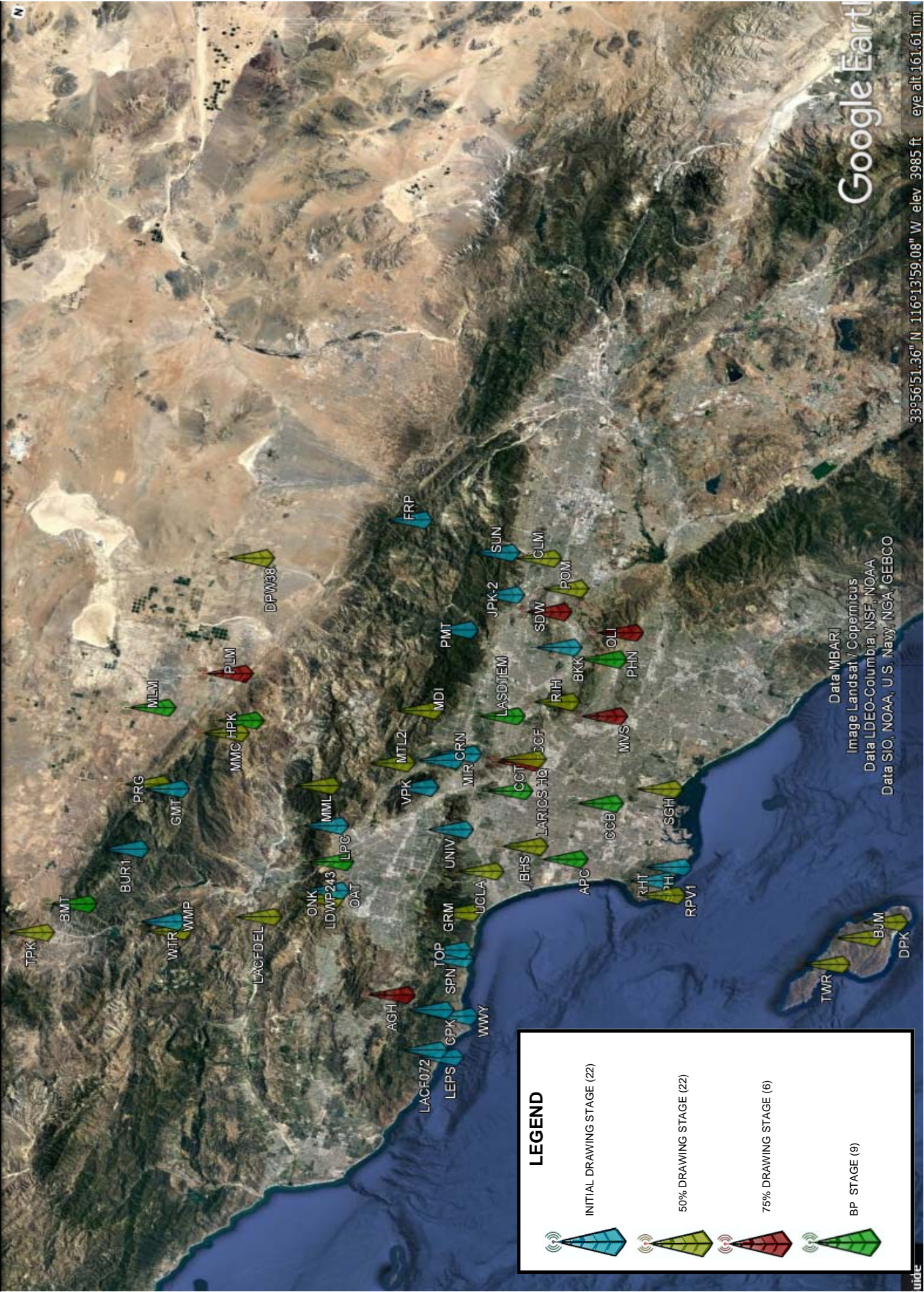
- Transport Design Topology
- Licensing for frequencies
- 30 day "Prior Coordination Notice" (PCN) submittals
- Field Path Studies (not yet started)
- Site List
- Capacity Requirements
- Redundancy Requirements

MSI and the Authority continue to meet regarding potential backhaul solutions. The next step is to perform path studies on those sites with the necessary licensing approvals to determine final viability. The LMR PM team agreed on the list of sites cleared and authorized the groups to proceed.

MSI efforts to complete drawings and submit sites into the jurisdiction for building permits is on-going, of which (9) sites (PHN, BMT, HPK, LDWP243, LASDTEM, FCCF, APC, CCB and CCT) have been submitted yielding (4) approvals (PHN, BMT, HPK, LDWP243). The remaining sites are still being processed but are expected by the end of January. 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 Forest Service sites due to the lengthy process.

- As of 01/23/2017 nine LMR Building Permit Applications have been submitted to respective jurisdictional agencies for approval.
- 38 each 50% CD's have been received for review and approval by the authority as of 01/23/2017.
- 14 each 75% CD's have been received for review and approval by the authority as of 01/23/2017.
- 11 each 100% CD's have been received for review and approval by the authority as of 01/23/2017 of which 9 of these 11 have been submitted to respective jurisdictional agencies for review and Building Permit issuance.
- With the addition of INDWT (City of Industry Water Tank site) Jacobs is now tasked with obtaining SAA's for 18 LMR sites (SAA's for remainder sites being processed by LA County CEO-RED).
- As of 01/23/2017 eighteen (18) executed SAA's are in place.
- MSI requested a second meeting to discuss steps to begin path studies on those sites with PCN approvals as well as frequency availability.

LMR SITES



AGENDA ITEM C

LMR Summary Schedule by Phase

Activity ID	Activity Name	Original Duration	Remaining Duration	Duration % Complete	Start	Finish	2016					2017					2018					2019					2020					2021																							
							J	F	A	J	J	A	S	D	J	F	A	J	J	A	S	N	J	F	A	J	J	A	S	N	J	F	A	J	J	A	S	D	J	F	A	J	J	A	S	D	J	F	A	J	J	A	S	D	J
Total		1680	1174	30.12%	09-Nov-15 A	02-Aug-21																																																	
LMR Phase 1		853	347	59.32%	09-Nov-15 A	31-May-18																																																	
LMR Phase 2		558	482	13.62%	29-Sep-16 A	06-Dec-18																																																	
LMR Phase 3		495	419	15.35%	29-Sep-16 A	10-Sep-18																																																	
LMR Phase 4a (Site)		575	499	13.22%	29-Sep-16 A	31-Dec-18																																																	
LMR Phase 4b (SI)		674	674	0%	02-Jan-19	02-Aug-21																																																	



Monthly Report #41

Reporting Period: 12/17/16 thru 1/20/17

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

Motorola Solutions, Inc.



MOTOROLA SOLUTIONS

AGENDA ITEM C

Table of Contents

1. Executive Summary	3
2. Project Status	6
2.1 Tasks In Progress or Completed	7
2.2 Tasks Planned for Next Period (11/14/19/16 thru 12/16/16)	7
2.3 Authority Look-Ahead Tasks (120-Day)	8
3. Project Risk Register	9
4. Areas of Concern	10
5. Disputes and Claims	10
6. Financial Status	11
7. LA-RICS Master Schedule	11

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 January 12, 2017 the Authority Board of Directors approved **Amendment 24** reconciling the following six (6) LMR System Sites (AGH, VPK, BMT, CRN, MVS, and ONK) to align with the updated System Design.

This report covers the period from 12/17/16 thru 1/20/17.

This month's report for the LA-RICS LMR program covers the reporting period from **12/17/16 thru 1/20/17**.

During this reporting period associated Phase 1 tasks were performed to include A&E activities, system redesign, frequency planning, site scope and true-up reviews, Site Access Agreement drawings, and Environmental Reviews which are currently in progress. A&E activities included site walks, site sketch development, site surveys, and development of the Zoning Drawings, geotechnical plans, and Construction Drawings.

NTP 19 Motorola procurement activities continued this period for the applicable equipment associated in Phase 2 LMR Site Construction and Site Modification and Phase 3 Supply LMR System Components.

With the issuance of NTP 20, Motorola began procurement activities for the applicable equipment associated in Phase 2 LMR Site Construction and Site Modification and Phase 3 Supply LMR System Components.

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, 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 17 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. As of this reporting period 17 sites have received independent site environmental approvals.

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

LMR Project Dashboard			
Category	Rating	Change	Comments
Schedule			Independent site environmental approvals and Notice To Proceed milestones are under review for determination of schedule impact. Delayed submission of permits and A&E drawings has negatively impacted the schedule. A revised schedule for all phases (1-4) was submitted and formally reviewed 9/8/16. A&E drawing progress is being followed and tracked on a weekly basis. Progress is still impacting the ability for the project to remain on schedule.
Quality			Construction drawings process is slow, and additional corrective actions are being put into place. Two additional A&E firms have been incorporated to increase throughput and quality. Continued progress has been made since the last reporting period and is being tracked on a weekly basis. The additional firms have helped but the project schedule continues to show submissions slipping. Additional corrective action is required. The Authority and MSI will continue to work together to identify additional means to shorten drawing review and production 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.
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. The objective of conducting a continuous true-up process has been limited in this reporting period. It is expected that The Authority and MSI will resume the true-up process in earnest in the next reporting period.

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
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

2.2 Tasks Planned for Next Period (1/21/17/16 thru 2/16/17)

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
Environmental Review & Documentation (Authority)	
Additional Sites for Consideration Environmental Reviews	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

Activity Name	Planned Status
Develop Construction Drawings and Approvals	In Process
Submit Permits Drawings and Approvals	In Process
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 - BMT	Started
Site Construction – HPK	Started
Site Construction – LDWP243	On Plan to Start

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
Environmental Review & Documentation (Authority)	
Additional Sites for Consideration Environmental Reviews	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

Activity Name	Activity Status
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
Site Construction & Site Monitoring (where applicable)	On Going
Site Construction Inspection Approvals	On Going
Site Construction - BMT	Started
Site Construction – HPK	Started
Site Construction – LDWP243	On Plan to Start

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
Delivery of Environmental Documentation and Pre-Construction Plans	Motorola	High	The delay in submitting the required plans for construction and environmental mitigation has impacted construction starts.	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. Changes in site design by Authority and incorporating system redesign elements are impacting drawing progress for certain sites. MSI continues to struggle to incorporate iterative review comments in a timely manner and this has inhibited the submission of drawings for permit and the advancement of sites through the A&E	Active

Title	Assigned	Impact	Risk Description	Status
			process.	
Site Access Agreements	Authority	High	Lease holders approvals are needed in order to implement LA-RICS improvements at sites.	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
None to report this period		

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 23)	\$155,656,793
Cumulative Invoice Payments from Last Report	\$ 47,002,666
Total Invoice Payments This Period	\$ 1,345,930
Remaining Amount to be Paid	\$107,308,197

7. LA-RICS Master Schedule

A revised schedule for all phases (1-4) was submitted and formally reviewed 9/8/16. 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)

Activ ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	2014												2015												2016												2017												
						F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A										
Total		04-Feb-14 A	30-Mar-17	94.03%	49	[Gantt bars for total duration]																																																30
LA_City		04-Mar-14 A	10-Oct-16 A	100%	0	[Gantt bars for LA_City activities]																																																10-Oct-16 A
LA.LDWP243		12-Mar-14 A	05-Aug-16 A	100%	0	[Gantt bar for LA.LDWP243]																																																05-Aug-16 A
LA.LAPD077		12-Mar-14 A	22-Jul-16 A	100%	0	[Gantt bar for LA.LAPD077]																																																22-Jul-16 A
LA.LAPDDVN		12-Mar-14 A	22-Jul-16 A	100%	0	[Gantt bar for LA.LAPDDVN]																																																22-Jul-16 A
LA.LAPDFTH		12-Mar-14 A	08-Jun-16 A	100%	0	[Gantt bar for LA.LAPDFTH]																																																08-Jun-16 A
LA.LAPDHLB		04-Mar-14 A	23-May-16 A	100%	0	[Gantt bar for LA.LAPDHLB]																																																23-May-16 A
LA.LAPDHWD		12-Mar-14 A	08-Jul-16 A	100%	0	[Gantt bar for LA.LAPDHWD]																																																08-Jul-16 A
LA.LAPDMIS		12-Mar-14 A	29-Jul-16 A	100%	0	[Gantt bar for LA.LAPDMIS]																																																29-Jul-16 A
LA.LAPDNWT		12-Mar-14 A	23-May-16 A	100%	0	[Gantt bar for LA.LAPDNWT]																																																23-May-16 A
LA.LAPDNHD		12-Mar-14 A	10-Oct-16 A	100%	0	[Gantt bar for LA.LAPDNHD]																																																10-Oct-16 A
LA.LAPDOLY		10-Mar-14 A	22-Jul-16 A	100%	0	[Gantt bar for LA.LAPDOLY]																																																22-Jul-16 A
LA.LAPDPAC		12-Mar-14 A	08-Jul-16 A	100%	0	[Gantt bar for LA.LAPDPAC]																																																08-Jul-16 A
LA.LAPDRAM		12-Mar-14 A	22-Jul-16 A	100%	0	[Gantt bar for LA.LAPDRAM]																																																22-Jul-16 A
LA.SEP		12-Mar-14 A	20-Jun-16 A	100%	0	[Gantt bar for LA.SEP]																																																20-Jun-16 A
LA.SWP		12-Mar-14 A	27-Jun-16 A	100%	0	[Gantt bar for LA.SWP]																																																27-Jun-16 A
LA.LAPDTOP		12-Mar-14 A	29-Jul-16 A	100%	0	[Gantt bar for LA.LAPDTOP]																																																29-Jul-16 A
LA.LAPDVNS		12-Mar-14 A	08-Aug-16 A	100%	0	[Gantt bar for LA.LAPDVNS]																																																08-Aug-16 A
LA.LAPDWLA		12-Mar-14 A	29-Jul-16 A	100%	0	[Gantt bar for LA.LAPDWLA]																																																29-Jul-16 A
LA.LAPDWVD		12-Mar-14 A	08-Jul-16 A	100%	0	[Gantt bar for LA.LAPDWVD]																																																08-Jul-16 A
LA.LAPDWIL		12-Mar-14 A	29-Jul-16 A	100%	0	[Gantt bar for LA.LAPDWIL]																																																29-Jul-16 A
LA.LAPP001		12-Mar-14 A	20-Jun-16 A	100%	0	[Gantt bar for LA.LAPP001]																																																20-Jun-16 A
LA.VPC		12-Mar-14 A	27-Jun-16 A	100%	0	[Gantt bar for LA.VPC]																																																27-Jun-16 A
LA_County		21-Feb-14 A	24-Feb-17	96.72%	25	[Gantt bars for LA_County activities]																																																24-Feb-17
LA.FCCF		12-Mar-14 A	05-Aug-16 A	100%	0	[Gantt bar for LA.FCCF]																																																05-Aug-16 A
LA.MLM		12-Mar-14 A	01-Jul-16 A	100%	0	[Gantt bar for LA.MLM]																																																01-Jul-16 A
LA.LASDNCC		12-Mar-14 A	01-Jun-16 A	100%	0	[Gantt bar for LA.LASDNCC]																																																01-Jun-16 A
LA.LASDALD		12-Mar-14 A	08-Jul-16 A	100%	0	[Gantt bar for LA.LASDALD]																																																08-Jul-16 A
LA.LASDCSN		12-Mar-14 A	23-May-16 A	100%	0	[Gantt bar for LA.LASDCSN]																																																23-May-16 A
LA.CEN		12-Mar-14 A	15-Jul-16 A	100%	0	[Gantt bar for LA.CEN]																																																15-Jul-16 A

Activ ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	2014												2015												2016												2017			
						F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	
	LA.LASDIDT	12-Mar-14 A	08-Jun-16 A	100%	0	[Gantt bar]												[Gantt bar]												08-Jun-16 A															
	LA.LASDLKD	12-Mar-14 A	27-Jun-16 A	100%	0	[Gantt bar]												[Gantt bar]												27-Jun-16 A															
	LA.LAN	12-Mar-14 A	11-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												11-Jul-16 A															
	LA.LASDLNX	12-Mar-14 A	15-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												15-Jul-16 A															
	LA.LHS	12-Mar-14 A	27-Jun-16 A	100%	0	[Gantt bar]												[Gantt bar]												27-Jun-16 A															
	LA.LASDNWK	12-Mar-14 A	20-Jun-16 A	100%	0	[Gantt bar]												[Gantt bar]												20-Jun-16 A															
	LA.PLM	12-Mar-14 A	15-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												15-Jul-16 A															
	LA.LASDPRV	12-Mar-14 A	10-Oct-16 A	100%	0	[Gantt bar]												[Gantt bar]												10-Oct-16 A															
	LA.LASDSDM	21-Feb-14 A	01-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												01-Jul-16 A															
	LA.LASDSCV	12-Mar-14 A	08-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												08-Jul-16 A															
	LA.SLA	12-Mar-14 A	01-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												01-Jul-16 A															
	LA.LASDTEM	12-Mar-14 A	15-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												15-Jul-16 A															
	LA.WAL	12-Mar-14 A	22-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												22-Jul-16 A															
	LA.WHD	12-Mar-14 A	27-Jun-16 A	100%	0	[Gantt bar]												[Gantt bar]												27-Jun-16 A															
	LA.LACHAR	12-Mar-14 A	15-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												15-Jul-16 A															
	LA.LACOLV	12-Mar-14 A	27-Jun-16 A	100%	0	[Gantt bar]												[Gantt bar]												27-Jun-16 A															
	LA.RANCHO	12-Mar-14 A	29-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												29-Jul-16 A															
	LA.LACUSC	12-Mar-14 A	24-Feb-17	96.66%	25	[Gantt bar]												[Gantt bar]												24-Feb-17												24-Feb-17			
	LA.BMT	12-Mar-14 A	15-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												15-Jul-16 A															
	LA.CCT	12-Mar-14 A	08-Aug-16 A	100%	0	[Gantt bar]												[Gantt bar]												08-Aug-16 A															
	LA.PHN	12-Mar-14 A	10-Oct-16 A	100%	0	[Gantt bar]												[Gantt bar]												10-Oct-16 A															
	LA.ONK	12-Mar-14 A	01-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												01-Jul-16 A															
	Independent Cities	04-Feb-14 A	24-Feb-17	96.68%	25	[Gantt bar]												[Gantt bar]												24-Feb-17												24-Feb-17			
	LA.PASDNPDP	12-Mar-14 A	15-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												15-Jul-16 A															
	LA.ARCPD01	04-Feb-14 A	23-May-16 A	100%	0	[Gantt bar]												[Gantt bar]												23-May-16 A															
	LA.AZPD001	12-Mar-14 A	29-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												29-Jul-16 A															
	LA.CLM	12-Mar-14 A	29-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												29-Jul-16 A															
	LA.ELMNTPD	12-Mar-14 A	29-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												29-Jul-16 A															
	LA.VEFD001	12-Mar-14 A	27-Jun-16 A	100%	0	[Gantt bar]												[Gantt bar]												27-Jun-16 A															
	LA.VEFD003	12-Mar-14 A	01-Jul-16 A	100%	0	[Gantt bar]												[Gantt bar]												01-Jul-16 A															



LA RICS LTE MASTER
SCHEDULE

Data Date 21-Jan-17
Page 3 of 3

Summary Remaining Work
Actual Work Critical Remaining

Activ ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	2014												2015												2016												2017											
						F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A									
LA.CPTFD04		12-Mar-14 A	23-May-16 A	100%	0	23-May-16 A																																															
LA.GARD001		12-Mar-14 A	10-Oct-16 A	100%	0	10-Oct-16 A																																															
LA.PASA001		12-Mar-14 A	24-Feb-17	96.36%	25	24-Feb-17																																															
LA.FS5		12-Mar-14 A	01-Jun-16 A	100%	0	01-Jun-16 A																																															
LA.LBPDHQ		12-Mar-14 A	29-Jul-16 A	100%	0	29-Jul-16 A																																															
LA.LBFD012N		12-Mar-14 A	23-May-16 A	100%	0	23-May-16 A																																															
LA.LAPP001		07-Dec-15 A	18-Feb-16 A	100%	0	18-Feb-16 A																																															
No LA-RICS Jurisdiction [O]		01-Sep-14 A	30-Mar-17	92.83%	49	30-Mar-17																																															
LA.SI		01-Sep-14 A	28-Mar-17	93.12%	47	28-Mar-17																																															
LA.Sys Op_Test		24-Feb-17	24-Feb-17	0%	0	24-Feb-17																																															
LA.Prjt Closeout		01-Oct-15 A	30-Mar-17	86.54%	49	30-Mar-17																																															
LA.Warranty		01-Oct-15 A	30-Dec-16 A	100%	0	30-Dec-16 A																																															



Monthly Report - #35

Reporting Period: 12/17/16 thru 1/20/17

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

Motorola Solutions, Inc.



MOTOROLA SOLUTIONS

Table of Contents

1. Executive Summary	3
2. Project Status	9
2.1 Tasks In-Progress and Completed	9
2.2 Tasks Planned for Next Period (11/14/16 thru 12/12/16).....	10
2.3 Authority Look-Ahead Tasks (120-Day)	10
3. Project Risk Register	11
4. Areas of Concern	11
5. Disputes and Claims	12
6. Financial Status	12
7. LA-RICS PSBN Project Schedule	12

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, 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 the 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.

This report covers the period from 12/17/16 thru 1/20/17.

No additional Amendments were issued during this period.

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

PSBN Project Dashboard			
Category	Rating	Change	Comments
Schedule			Planned system upgrades limit the ability for the Authority to utilize the PSBN depending on the specific upgrade performed and the Authority is waiting for MSI to provide the final upgrade which is due prior to 3/31/17. Authority managed construction is in progress for the SCE Cell on Wheel sites and completion is scheduled for the end of February. Progress of construction completion has delayed impact COW site completion. Per agreement, closeout is now forecast for 3/31/17.
Quality			The Authority and MSI continue to review performance at the Rose Parade and resolve any open issues by project closeout, forecast for 3/31/17.
Risk			None at this time.
Scope			MSI and Authority are reviewing completion of contract requirements in anticipation of project closeout forecast for 3/31/17.
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
---------------	-----------------

Activity Name	Activity Status
LA-RICS Deliverables	
Provide Access and Escorts to EPC and RAN Sites	As Needed
Construction, Power & Fiber for 9 SCE COW Sites	In Progress
Site Construction & Site Modification (Phase 2)	
Permit Clear for Applicable LTE Sites (3)	In Progress
System Implementation (Phase 4)	
LTE EPC & SMMS Software Upgrades	In Progress
COW Sites Install, Configuration, Commissioning / Test	In Progress
Closeout documents & as-built drawings	In Progress
LTE Training (Wave 1 complete / Wave 2 scheduled)	In Progress
PSBN Acceptance Test Documentation	In Progress

2.2 Tasks Planned for Next Period (1/21/17 thru 2/16/17)

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

Activity Name	Planned Status
LA-RICS Deliverables	
Provide Access to Sites	As needed
Construction, Power & Fiber Services for 9 SCE COW Sites	In Progress
Site Construction and Site Modification (Phase 2)	
Permit Clear for Applicable LTE Sites	In Progress
System Implementation (Phase 4)	
LTE EPC & SMMS Software Upgrades	In Progress
COW Sites Install, Configuration, Commissioning / Test	In Progress
Submit Closeout documents & as-built drawings	In Progress
PSBN Training (Wave 2)	In Progress
PSBN Acceptance Test Documentation	In Progress

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	Start
LA-RICS Deliverables	
Provide Access to Sites	Plan to Complete
Construction, Power & Fiber Services for 9 SCE COW Sites	Plan to Complete
Acceptance Test Plan	

Activity Name	Start
Revised ATP Review and Approvals	Plan to Complete
Site Design Activities	
Site Construction and Site Modification (Phase 2)	
Site Inspections & Permit Clear (3 sites)	Plan to Complete
System Implementation (Phase 4)	
EPC & Network Management Installation Testing (<u>Potential Reconfiguration</u>)	Plan to Complete
PSBN Site Equipment Inspections	Plan to Complete
Cluster Tuning (COWs) and Testing Review	Plan to Complete
PSBN Training Attendance (Wave 2)	Plan to Complete
PSBN As-Built Documentation Review	Plan to Complete

3. Project Risk Register

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

Title	Assigned	Impact	Risk Description	Status
Equipment Order NTPs	LA-RICS	High	NTP for core spare equipment. At this time there are no spares for the primary EPC. Spares can take up to 16 weeks for delivery.	Unknown, Authority to Provide Status

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
24-01	Final Site Documentation	MSI construction subcontractors have been very slow in delivering final site documentation which may impact delivery delay.
28-02	System ATP Reviews	The remaining ATP to perform is for the network upgrade to MSI Release 11 (R11). The timeline for completing the ATP is still under consideration.

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

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)	\$ 98,681,263
Cumulative Invoice Payments from Last Report	(\$ 76,202,787)
Total Invoice Payments This Period	(\$ 4,724,528)
Remaining Amount to be Paid	\$ 17,753,948

7. LA-RICS PSBN Project Schedule

This Monthly Report is being submitted with a copy of the schedule update corresponding to the Data Date for the reporting period.

This page intentionally left blank
See attached PSBN Summary Schedule (PDF file)



**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>

JOHN RADELEFF
INTERIM EXECUTIVE DIRECTOR

February 2, 2017

To: LA-RICS Authority Board of Directors

From: John Radeleff
Interim Executive Director

OUTREACH UPDATE

The purpose of this discussion item is to update your Board on the status of outreach activities pertaining to the 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>Representatives from Catalina Island Conservancy</i>	January 5, 2017
<i>City of Azusa</i>	January 17, 2017
<i>City of Industry</i>	January 25, 2017
<i>Supervisor Kathryn Barger's District Deputy</i>	January 25, 2017
<i>Bel Vintage Homeowner's Association</i>	January 25, 2017
<i>Representative from California State Parks and Recreation</i>	January 26, 2017

Representatives from the LA-RICS Team met with members of the Azusa Police Department to discuss access to the PSBN Long Term Evolution (LTE) at their site.

Representatives from the LA-RICS Team met with members of the Catalina Island Conservancy to discuss three potential sites on Catalina Island.

Representatives from the LA-RICS Team met with the Senior Planner for the City of Industry to discuss a proposed LMR site in Industry.

Representatives from the LA-RICS Team also met with Supervisor Kathryn Barger's District Deputy Debra Mendelsohn to provide her with an update of the LA-RICS network and to discuss sites in the 5th Supervisorial District.

The LA-RICS Outreach Team held a meeting at the San Dimas Sheriff Station with residents of the Bel Vintage HOA to provide an update of the LMR installation in San Dimas.

The LA-RICS Team attended a follow-up meeting with representatives from the California State Parks and Recreation to further discussions regarding the use of the Baldwin Hills site.

Lastly, the LA-RICS Communication Team is in the process of finalizing a Special Edition Newsletter that will include articles on the Rose Parade; announce the appointment of our new Executive Director, and spotlight an LA-RICS/Sheriff employee.

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>

JOHN RADELEFF
INTERIM EXECUTIVE DIRECTOR

February 2, 2017

To: LA-RICS Authority Board of Directors

From: John Radeleff
Interim Executive Director

PSBN ONBOARDING UPDATE

The purpose of this discussion item is to update your Board on the status of onboarding, users testing 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 Received
LASD	Installations In Progress	588
LACoFD	Installations In Progress	104
Inglewood PD	Demo Kit Pending	0
Pasadena PD	Evaluating coverage; 4 VMLs to install	4
Claremont PD	MOU for VMLs In Progress. Demo Kit Received	1
UCLA PD	Demo Kit Pending	0
El Segundo Fire	Demo Kit Received. Meeting with LACoFD on 2/16/17	1
Health Services / EMS	Demo Kit Pending for use at LA Marathon on 3/19/17	0
Signal Hill	Demo Kit Received	1

LA-RICS has an active engagement program underway to onboard new agencies. We regularly meet with potential agencies and provide demonstrations, loan test Demo Kits, conduct technical meetings and share installation key learning and guidance with the help of the Los Angeles County Sheriff's Department and County of Los Angeles Fire Department.

AGENDA ITEM E

The Demo Kits provide an opportunity for potential users to test the system and assist with the preparation of the installation of routers.

The LA-RICS Technical Team is in the process of working with several agencies to install VMLs by the end of March. The LA-RICS Technical Team is also working with Department of Health Services, Emergency Management System (EMS), and will be demonstrating the PSBN during the upcoming Los Angeles Marathon.

Lastly, the LA-RICS Technical Team continues to work closely with the agencies identified in the above table to ensure that their configurations and onboarding needs are addressed.

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>

JOHN RADELEFF
INTERIM EXECUTIVE DIRECTOR

February 2, 2017

To: LA-RICS Authority Board of Directors

From: John Radeleff
Interim Executive Director

LA-RICS SUBSCRIPTION PLAN

The purpose of this discussion item is to update your Board on efforts taken to date relating to the LA-RICS Subscription plan.

The attached slide presentation was provided to the Finance Committee on May 26, 2016, in connection with non-member / subscriber cost model. Since that date, several meetings have taken place with Los Angeles County Sheriff Contract Law, members of the LA-RICS Board and potential member / subscribers to assist with structuring the subscription plan and incentives / benefits to members.

Certain policy items requiring decision include:

1. Member pricing vs. non-member pricing
 - a. Adopted Funding Plan contemplates population / geography cost factors vs. number of devices per member. Restructuring of the Funding Plan is being considered.
 - b. Should all contract cities automatically be members?
 - c. What privileges are afforded to members? What is included in membership?
2. Pricing for returning members
3. Usage vs. Device based pricing

AGENDA ITEM F

4. Introductory pricing for year 1 users

Items with potential impact:

1. FirstNet release of State Decision / LA-RICS forming part of the National PSBN.
2. Award of PSBN Round 2 grant by NTIA

SOC: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>

JOHN RADELEFF
INTERIM EXECUTIVE DIRECTOR

SENT CORRESPONDENCE BY:
E-MAIL

May 26, 2016

To: LA-RICS Finance Committee Members
From: 
John Radeleff
Interim Executive Director

SUBSCRIBER PLAN OPTIONS

The purpose of this discussion item is to allow your committee to consider certain options in order to finalize the cost model for non-member/subscribers to the LA-RICS System (Land Mobile Radio and Long Term Evolution).

JR:soc:jh

c: Counsel to the Authority

**AGENDA ITEM D
AGENDA ITEM F - ENCLOSURE**

LA-RICS LMR and LTE Public Safety Broadband Network (PSBN) Funding and Non-Member Pricing Considerations

May 26, 2016



LA-RICS

Objectives

- Determine if a waiver of provisioning costs should be offered to Members.
- Discuss financial terms for new Members.
- Discuss subscriber pricing for non-Members that wish to use the LTE PSBN network and/or LMR network.



LA-RICS Member Provisioning Cost Waiver



One Time Costs to Add a Device

- Both Member and Non-Members will pay an activation fee to add a device to the LTE PSBN.
- A charge of \$50 would cover the cost of provisioning the SIM card and supporting the device management costs.
- Should this fee be waived for Members to drive network utilization during 2016/17?

LA-RICS Member Benefits and Costs to Rejoin



Member Benefits

- Unlimited number of users
- Price stability
- High volume usage of the PSBN
- Secure, private network
- No contention with commercial users



Cost to Rejoin LA-RICS

- Members that opted out prior to November 2015 may want to rejoin
- Members that remained should not be penalized
- Should Returning Member pay their share of fees that Members paid?



Returning Members: Options to Rejoin

- Option 1 – A Returning Member Agency pays all retroactive fees as though they remained in November 2015?
- Option 2 –A Returning Member Agency pay fees equivalent to that paid by Members that did not opt out 7/1/14 through 10/31/15?



Non-Member / Subscriber Pricing



LTE Subscription Pricing Analysis

- Agencies who may not want the full obligation of Membership can still benefit from the LA-RICS.
- For PSBN, per user fees similar in structure and amount to commercial service is recommended. LMR is to be determined.
- An analysis of subscriptions pricing options was conducted that included
 - Current commercial pricing
 - Value of the PSBN
 - Cost of ancillary commercial services needed

LA-RICS Authority Financial Goals

- Cover O&M costs of the LMR and LTE networks
- Cover capital replacement costs which become effective Year 5 for LMR
- Make cost of Membership attractive to 1st and 2nd Responders
 - Minimize additional costs to Members and Prospective Members
 - Make billing simple

LTE Subscription Pricing Options

- Two Pricing Options were considered for the PSBN
 - Usage Based Pricing
 - Device Type Based Pricing (Unlimited Data)
- Options are constrained by current PSBN system.
 - Without the purchase and implementation of a robust billing system:
 - Real time usage data is not available
 - End of month usage data is available
 - Device type information can be obtained from a 3rd party (GSMA)

LTE Subscription Pricing Options

PSBN LTE Pricing for Non-Members

- Does not include cost of Agency Interconnection or Devices
- Does not include any additional Costs from commercial carriers such as AT&T
- 12 month commitment

Monthly Recurring Charges (MRC) Pricing

Total Data per Device per Month	1 GB	2 GB	Unlimited	Video Streaming
Device options				
Smartphones			\$10	
In-Vehicle Routers	\$20	\$25	\$50	\$120
Shared Applications (Future)			\$3	

Should this be “Introductory Pricing” through 2017?



Usage Based Pricing

Pros

- Consistent with Commercial plans available from carriers
- Offers lower cost options for cost-conscious agencies

Cons

- Requires significant investment in a carrier-grade billing system (>> \$1M)
- Measured plans may dampen experimentation and innovation



Usage Based Pricing ...More Cons

- For safety, we don't want to incentivize 1st responders to hesitate when using the communications device they are provided
- Current LASD usage on commercial carriers averages 2GB/month for mobile data units. However this is on a slower network (3G) and LTE utilization will be higher.



Device Type Based Pricing (Unlimited)

PROS

- Simple to explain
- Relatively simple to bill
- “Unlimited” use spurs innovation

CONS

- May reach capacity on the network too quickly
- Carriers do not offer unlimited plans because overutilization can exceed network capacity
- A high resolution video stream can generate >600GBytes of data a month. While we want to support video applications, we also need to proceed with caution.



Discussion



Items for Continued Discussion

- Should the Authority offer waiver of new device provisioning for Members for 2016/17?
- Should the Authority adopt costs for Returning Members that reflect their fair share of LA-RICS costs?
- Should the Authority adopt the Non-Member Subscriber Pricing as presented for introductory period 2016/17?

Supplemental Slides



Monthly Pricing Comparison

Non-Member Pricing Comparison for In Vehicle Routers

In some cases, unused usage allowances can be shared across devices during the same month.
Carrier pricing is provisional based on the best information available at the current time.

Monthly Recurring Charges (MRC) Basic LTE Pricing

Monthly Usage Allowance	AT&T	Verizon	LA-RICS
1 MByte		\$ 5.50	
5 MByte		\$ 7.70	
10 MByte			
25 MByte		\$ 11.00	
50 MByte		\$ 16.50	
100 Mbyte			
150 MByte	\$ -	\$ 19.80	
300 MByte	\$ 15.40	\$ -	
1 GByte	\$ 16.49	\$ 27.50	\$ 20.00
2 GByte	\$ 24.19		\$ 25.00
3 GByte	\$ 31.35		
5 GByte	\$ 36.29	\$ 55.00	
10 GByte		\$ 88.00	
"Unlimited" - w/o camera			\$ 50.00
"Unlimited" w/camera			\$ 120.00





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>

JOHN RADELEFF
INTERIM EXECUTIVE DIRECTOR

February 2, 2017

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

Dear Directors:

LA-RICS SPECIAL EVENT DEPLOYMENT POLICY

SUBJECT

Board approval is requested to authorize the Interim Executive Director / Executive Director to approve LA-RICS' participation in certain special events / pre-planned events, such as the Pasadena Rose Parade.

RECOMMENDED ACTION

It is recommended that your Board:

1. Delegate authority to the Interim Executive Director to approve participation in special and/or pre-planned events (event) on a case by case basis, as follows:
 - a. LA-RICS Authority will provide available equipment and use of the System(s) to Members free of charge;
 - b. Non-Members / Requesting agency will be responsible for costs associated with staff required to support the event;
 - i. Requesting agency will be responsible to enter into cost-recovery agreement(s) with agencies employing the support staff;
 - c. Non-Member / Requesting agency will be responsible for other direct costs associated with LA-RICS' participation in the event.

AGENDA ITEM G

2. If the policy above is not acceptable, provide direction to staff accordingly for other policy considerations.

BACKGROUND

During this phase of the project whereby the Public Safety Broadband Network (PSBN) is achieving final testing and optimization, and the Land Mobile Radio (LMR) System is in the midst of construction, it is beneficial for the LA-RICS project to participate in certain pre-planned special events in order to test certain functionalities of the system in live situations, while in parallel demonstrating the systems utility to Members and prospective users and other stakeholders. As the project shifts from implementation to operation, cost-recovery for special event deployments needs to be considered.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended actions is to establish a temporary policy, pending finalization of the LA-RICS Subscriber Model, that will allow for LA-RICS' participation in special / pre-planned events while ensuring costs incurred with such participation are appropriately recovered.

FISCAL IMPACT/FINANCING

There is no fiscal impact.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

The Counsel to the Authority has reviewed the recommended actions.

CONCLUSION

On behalf of the Authority, the Interim Executive Director will have the authority to approve participation in events, in accordance with the recommended actions described in this letter.

Respectfully submitted,



JOHN RADELEFF
INTERIM EXECUTIVE DIRECTOR

SOC:pl

c: Counsel to the Authority



LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

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

TRUC MOORE
COUNSEL TO THE AUTHORITY

February 2, 2017

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

Dear Directors:

APPROVE AMENDMENT NO. ONE TO AGREEMENT NO. LA-RICS 011 FOR PROFESSIONAL SERVICES

SUBJECT

Board approval is requested to authorize Amendment No. 1 to Agreement No. LA-RICS 011 with Radeleff Consulting, Inc. (Radeleff Consulting) for Professional Services to extend the term of the Agreement, retain the professional services of Radeleff Consulting in an amended capacity during the transition to a new Executive Director, and increase the Maximum Contract Sum by \$50,000. Amendment No. 1 will be substantially similar in form to the Enclosed.

RECOMMENDED ACTION

It is recommended that your Board:

1. Approve Amendment No. 1 to the Professional Services contract with Radeleff Consulting, substantially similar in form to the Enclosure, which revises the Agreement to reflect the following:
 - a. Extend the current Term to March 25, 2017, for Interim Executive Director services.
 - b. Effective March 26, 2017, extend the Term to August 31, 2017, for Project Consultant services.
 - c. Effective March 26, 2017, authorize the Consultant to assume the capacity and scope of Project Consultant.

AGENDA ITEM H

- d. Maintain the hourly rate of \$105 while Radeleff Consulting is in the Project Consultant capacity.
 - e. Increase the Maximum Contract Sum by \$50,000 from \$218,400 to \$268,400 for this proposed work.
2. Authorize the Chair of your Board, or his designee, to execute Amendment No. 1, in substantially similar form to the Enclosed Amendment (Enclosure).

BACKGROUND

On March 7, 2016, your Board approved a Professional Services Agreement with Radeleff Consulting to provide professional services as the LA-RICS Executive Director in an interim capacity.

On December 12, 2016, your Board approved a Professional Services Agreement with SD Edson, Inc. (SD Edson) to retain the professional services of Scott D. Edson to serve as the LA-RICS Executive Director effective March 26, 2017, in a permanent capacity.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to allow the Authority to (a) extend the current term of the Agreement to March 25, 2017; (b) effective March 26, 2017, extend the term to August 31, 2017; (c) effective March 26, 2017, authorize the Consultant to assume the capacity and scope of Project Consultant to the Executive Director; (d) maintain the hourly rate of \$105 while in the Project Consultant capacity; and (e) increase the Maximum Contract Sum by \$50,000. All work is on an as needed basis, as requested by the newly appointed Executive Director.

It is necessary to extend the current term to maintain the Interim Executive Director position until such time as the newly appointed Executive Director is officially assigned to the project to ensure the ongoing operations are upheld.

Once the newly appointed Executive Director is on boarded, there will be a period of transition wherein the Executive Director may require the assistance of the Project Consultant. During this shift, allowing the previous Executive Director to assume the capacity of Project Consultant to the newly appointed Executive Director allows for transfer of valuable knowledge and experience with the project on an as-needed basis, and is invaluable and beneficial to the continued success of the project.

FISCAL IMPACT/FINANCING

The activities contemplated in Amendment No. 1 will increase the Maximum Contract Sum by \$50,000 from \$218,400 to \$268,400. Invoices will be reimbursed upon presentation of appropriate documentation and will be funded by a combination of grant funds from the Broadband Technology Opportunities Program (BTOP), Urban Areas Security Initiative (UASI) Program, and/or Member Funded Contributions contemplated in the LA-RICS Adopted Fiscal-Year 2016-17 Operating Budget.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

The Authority's counsel has review the recommended action.

AGREEMENTS/CONTRACTING PROCESS

On behalf of the Authority, the Chair of the Board will have the authority to execute the enclosed amendment with Radeleff Consulting, in accordance with the recommended action described in this letter.

Respectfully submitted,

TRUC L. MOORE
COUNSEL TO THE AUTHORITY

JA:pl

X:\0-Board of Directors\1-Agendas & Minutes (JPA Board of Directors)\01-AGENDAS\2017 Agendas\2 - February 2, 2017\Radeleff Amendment 1 Board Letter_01-26-17.docx

Enclosure

AMENDMENT NUMBER ONE
TO AGREEMENT NO. LA-RICS 011
FOR PROFESSIONAL SERVICES

This Amendment Number One (together with all exhibits, attachments, and schedules hereto, Amendment No. 1) is entered into by and between the Los Angeles Regional Interoperable Communications System Authority (Authority) and Radeleff Consulting, Inc. (Consultant), effective as of February _____, 2017, based on the following recitals:

RECITALS

WHEREAS, Authority and Consultant have entered into Agreement No. LA-RICS 011 for Professional Services to enable Consultant to perform the duties of an Interim Executive Director to the Authority, dated as of March 7, 2016 (together with all exhibits, attachments, and schedules thereto, all as amended prior to the date hereof, the "Agreement").

WHEREAS, Authority and Consultant desire to amend the Agreement to (a) extend the current Term to March 25, 2017; (b) effective March 26, 2017, extend the Term to August 31, 2017; (c) effective March 26, 2017, amend the scope of work from Interim Executive Director to Project Consultant; (d) preserve the hourly rate of \$105 while in the Project Consultant capacity; (e) increase the Maximum Contract Sum by \$50,000 from \$218,400 to \$268,400; and (f) make other certain changes as set forth in this Amendment No. 1.

NOW THEREFORE, in consideration of the foregoing recitals, all of which are incorporated as part of this Amendment No. 1, and for other valuable consideration, the receipt and sufficiency of which are acknowledged, Authority and Consultant hereby agree as follows:

1. Capitalized Terms; Section References. Capitalized terms used herein without definition (including in the recitals hereto), have the meanings given to such terms in the Agreement. Unless otherwise noted, section references in this Amendment No. 1 refer to sections of the Agreement, as amended by this Amendment No. 1.
2. Amendments to Agreement.
 - 2.1 Section 2.0 (Term) of the Agreement shall be deleted in its entirety and replaced with the following:

2.0 TERM.

This Agreement shall become effective on March 7, 2017, and shall continue to and include March 25, 2017, or until terminated as provided in Section 7 of this Agreement.

Effective March 26, 2017, the Term of this Agreement shall continue to and include August 31, 2017 or until terminated as provided in Section 7 of this Agreement.

As a condition of this Agreement, Consultant has completed a background investigation which is satisfactory to the County of Los Angeles Director of Personnel.

- 2.2 Section 3.0 (Description of Services) of the Agreement shall be deleted in its entirety and replaced with the following:

3.0 DESCRIPTION OF SERVICES.

Consultant shall perform all of the duties of an Executive Director until March 25, 2017, in an interim capacity, as set forth in Exhibit A (Statement of Work), and such additional duties as may be assigned by the Authority. The Authority may remove the interim designation at any time.

Effective March 26, 2017, Consultant shall perform all of the duties of a Project Consultant as set forth in Exhibit A (Statement of Work), and such additional duties as may be assigned by the Executive Director and/or the Authority (i.e. Board of Directors).

- 2.3 Section 4.0 (Compensation) of the Agreement shall be deleted in its entirety and replaced with the following:

4.0 COMPENSATION.

Consultant shall be compensated at a billed hourly rate of One Hundred and Five Dollars (\$105) per hour, for a total amount not to exceed Two Hundred Sixty-Eight Thousand, Four Hundred Dollars (\$268,400) per year. The yearly not to exceed amount may be increased pursuant to an amendment subject to the prior approval of the Authority's Board of Directors. The contract hourly rate may be adjusted annually based on the increase or decrease in the U.S. Department of Labor, Bureau of Labor Statistics Consumer Price Index (CPI) for the Los Angeles-Riverside-Orange County Area for the most recently published percentage change for the 12-month period preceding the contract anniversary date, which shall be the effective date for any cost of living adjustment. However, any increase to Contractor shall not exceed the general salary movement granted to County of Los Angeles employees as determined by the Chief Executive Office as of each July 1 for the prior 12-month period. Furthermore, should fiscal circumstances ultimately prevent the Board of Supervisors for the County of Los Angeles from

approving any increase in County employee salaries, no cost of living adjustments will be granted to Contractor.

2.4 Section 9.4 of the Agreement shall be deleted in its entirety and replaced with the following:

9.4 Consultant shall be responsible to the Executive Director, Chair and directors of the Authority, but Consultant will not be required to follow or establish a regular or daily work schedule. Consultant shall supply all necessary equipment, materials and supplies. Consultant may use but will not rely on the equipment or offices of the Authority for completion of tasks and duties set forth pursuant to this Agreement. Any advice given by the Authority to Consultant regarding Exhibit A (Statement of Work) shall be considered a suggestion only, not an instruction. The Authority retains the right to inspect, stop, or alter the work of Consultant to assure its conformity with this Agreement.

2.5 Section 16.4.3 of the Agreement shall be deleted in its entirety and replaced with the following:

16.4.3 Professional Liability/Errors and Omissions Insurance covering Consultant's liability arising from or related to this Contract, with limits of not less than \$1 million per claim and \$2 million aggregate. Further, Consultant understands and agrees it shall maintain such coverage for a period of not less than three (3) years following March 25, 2017, or the date of this Agreement's termination or cancellation, whichever occurs first.

3. Amendments to Agreement Exhibits.

3.1 Exhibit A (Statement of Work) to the Agreement is deleted in its entirety and replaced with Exhibit A (Statement of Work) attached to this Amendment No. 1, which is incorporated herein by this reference.

4. This Amendment No. 1 shall become effective as of the date identified in the recitals, which is the date upon which:

4.1 An authorized agent of Contractor has executed this Amendment No. 1;

4.2 Counsel to the Authority has approved this Amendment No. 1 as to form;

4.3 The Board of Directors of the Authority has authorized the Chair of the Authority to execute this Amendment No. 1; and

4.4 The Executive Director of the Authority has executed this Amendment No. 1.

5. Except as expressly provided in this Amendment No. 1, all other terms and conditions of the Agreement shall remain the same and in full force and effect.

6. Consultant and the person executing this Amendment No. 1 on behalf of Consultant represent and warrant that the person executing this Amendment No. 1 for Consultant is an authorized agent who has actual authority to bind Consultant to each and every term and condition of this Amendment No. 1, and that all requirements of Consultant to provide such actual authority have been fulfilled.
7. This Amendment No. 1 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 ONE
TO
AGREEMENT TO PROVIDE SERVICES**

IN WITNESS WHEREOF, the parties hereto have caused this Amendment No. 1 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

RADELEFF CONSULTING, INC.

By: _____

By: _____

Jim McDonnell, Chair
Authority Board of Directors

John Radeleff

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

STATEMENT OF WORK

EXECUTIVE DIRECTOR (Effective Until March 25, 2017)

The LA-RICS Executive Director is responsible for the development, coordination, integration, and continued maintenance of a regional public safety interoperable communications network. This position reports to the Joint Powers Authority Board of Directors and serves as the primary liaison for supporting interoperability between the Authority, state, federal, county and city agencies. The Executive Director independently serves as the highest level of technical and administrative review of the LA-RICS project and is responsible for the overall management of this program. Responsibilities consist of the following:

1. Direct the preparation and implementation of the LA-RICS long-range project plan to include system engineering and design, system build out, acceptance testing, migration, and user training; monitor and evaluate accomplishments of plan objectives; and periodically update the plan.
2. Provide overall leadership and direction while managing the development and implementation of all phases of the LA-RICS project, including vendor selection, contract negotiation, project development, site development, construction and ongoing operations.
3. Oversee group managers from participating agencies tasked with various technical, operational, and administrative responsibilities.
4. Implement goals and objectives established by the Board of Directors in coordination with law enforcement, fire, and emergency medical communications needs.
5. Ensure that the Board and stakeholders are well informed of the progress and issues relating to LA-RICS; provide monthly reports to the Board regarding status of the project and accomplishments.
6. Ensure that all stakeholder needs are identified and properly addressed.
7. Provide support for meetings of the Board of Directors.
8. Negotiate and recommend approval of all contracts necessary for the operation of the Authority.
9. Serve as primary liaison with affected local, state, and federal agencies necessary for the successful implementation of LA-RICS; promote the interchange of information and data to achieve maximum system compatibility.

10. Develop strategic plans in collaboration with various agencies and community stakeholders that facilitate the implementation of the LA-RICS project.
11. Conduct a review and assessment of the Authority's operating structure, financials, staffing, outreach, etc., and provide a written report back to the Authority's Board of Directors within 90 days.
12. Undertake ad hoc assignments from the Authority's Board of Directors as required.

PROJECT CONSULTANT (Effective from March 26, 2017 through August 31, 2017)

The Project Consultant shall report directly to the Executive Director and shall work on an as needed basis as required by the Executive Director on the following:

1. Provide transition services, as needed and requested by the Executive Director, by way of transferring knowledge and status of LA-RICS including, but not limited to, implementation of the project phases, site development, construction, ongoing operations, technical operations, project management, construction management, administration, grants, contracts, fiscal, budget, etc., of the Land Mobile Radio (LMR) System and Public Safety Broadband Network (PSBN).
2. Make recommendations, as needed and requested by the Executive Director, regarding implementing goals and objectives established by the Board of Directors in coordination with law enforcement, fire, and emergency medical communications needs.
3. Undertake ad hoc assignments from the Executive Director and/or the Authority's Board of Directors as needed.