



AGENDA

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

BOARD OF DIRECTORS SPECIAL MEETING

Wednesday, November 18, 2020 • 9:00 a.m.

Microsoft Teams Meeting*

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

Call-in Number for Board Members and Public:

Telephone Number: (323) 886-6924

Conference ID: 210 527 073#

Video Conferencing Device:

493366865@t.plcm.vc

VTC Conference ID: 112 301 800 9

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

AGENDA POSTED: November 13, 2020

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

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

Members:

1. **Fesia Davenport**, Acting CEO, County of Los Angeles
2. **Daryl L. Osby**, Vice-Chair, Fire Chief, County of Los Angeles Fire Dept.
3. **Alex Villanueva**, Chair, Sheriff, Los Angeles County Sheriff's Dept.
4. **Cathy Chidester**, Dir., EMS Agency, County of LADHS
5. **Chris Donovan**, Fire Chief, City of El Segundo Fire Dept.
6. **Joe Ortiz**, Chief of Police, City of South Pasadena 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
Thomas Ewald, Deputy Fire Chief, County of Los Angeles Fire Dept.
Mark Glatt, Chief, Los Angeles County Sheriff's Dept.
Kay Fruhwirth, Asst., Dir., EMS Agency, County of LADHS
Vacant
Brian Solinsky, Deputy Chief, City of South Pasadena Police Dept.
Marcel Rodarte, Executive Dir., CA Contract Cities Assoc.
Ed Ridens, Deputy Chief, City of Inglewood Police Dept.
Brian Leyn, Captain, City of Signal Hill Police Dept.
David Povero, Captain, City of Covina Police Dept.

Officers:

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



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

I. CALL TO ORDER

II. ANNOUNCE QUORUM – ROLL CALL

III. APPROVAL OF MINUTES (A)

A. October 1, 2020 – Minutes

Agenda Item A

IV. PUBLIC COMMENTS

V. CONSENT CALENDAR – NONE

VI. REPORTS (B-E)

B. Director's Report – Scott Edson

- Executive Summary

Agenda Item B

C. Project Manager's Report – Justin Delfino

Agenda Item C

D. Joint Operations and Technical Committee Chairs Report – Lt. Sven Crongeyer / Ted Pao

E. Finance Committee Chairs Report – No Report

VII. DISCUSSION ITEMS (F-I)

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

Agenda Item F



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

Agenda Item G

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

Agenda Item H

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

Agenda Item I

VIII. ADMINISTRATIVE MATTERS (J-K)

J. APPROVE 2021 JPA BOARD MEETING SCHEDULE

It is recommended that your Board:

Approve the following dates for the calendar year 2021 Board Regular Meeting Schedule:

January 7
February 4
March 4
April 1
May 6
June 3
July 8 (due to 4th of July Holiday)
August 5
September 2
October 7
November 4
December 2

All Regular Meetings will be held at 9:00 a.m. Pacific Time via Microsoft Teams until further notice.

Agenda Item J



K. APPROVE AMENDMENT NO. 50 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM LAND MOBILE RADIO SYSTEM

It is recommended that your Board:

1. Make the following findings with respect to the inclusion of one (1) LMR System Site and LMR Change Order Modifications:
 - a. Find that (a) approval of Amendment No. 50 to contemplate certain Change Order Modifications at one (1) LMR System site, Agoura Hills (AGH), related to the relocation of Narrowband Mobile Data Network (NMDN) equipment is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified by the Board under the California Environmental Quality Act (CEQA) on March 29, 2016; and (b) that 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 substantial increase in the severity of previously identified significant effects.
 - b. Find that (a) approval of Amendment No. 50 to contemplate certain Change Order Modifications at two (2) LMR System sites, Black Jack Peak (BJM) and Tower Peak (TWR), related to the generator noise mitigation engineering assessment services work is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified by the Board under the California Environmental Quality Act (CEQA) on March 29, 2016; and (b) that there are no changes to the project at these sites or to the circumstances under which the project is undertaken that require revisions to the previous EIR due to new significant effects or substantial increase in the severity of previously identified significant effects.
 - c. Find that (a) approval of Amendment No. 50 to contemplate certain Change Order Modifications at one (1) LMR System site, Magic Mountain Link (MML), related to the removal of buried boulders, concrete, and rebar is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified by the Board under the California Environmental Quality Act



(CEQA) on March 29, 2016; and (b) that 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 substantial increase in the severity of previously identified significant effects.

- d. Find that (a) approval of Amendment No. 50 to contemplate certain Change Order Modifications at one (1) LMR System site, Portal Ridge (PRG) related to powder coating work, is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at this one (1) site, which your Board previously found statutorily exempt from review under CEQA on February 5, 2015 pursuant to Public Resources Code Section 21080.25, the exemption adopted specifically for the LA-RICS project, and any leased circuit work that may occur outside of Site PRG, if needed to provide network connectivity to the LMR System, categorically exempt under CEQA pursuant to Guidelines section 15301 (existing facilities), 15303 (new construction or conversion of small structures), and 15304 (minor alterations to land).
 - e. Find that (a) approval of Amendment No. 50 to contemplate reconciliation of one (1) LMR System site East Sunset Ridge (ESR) into the LMR System, are within the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercising of the Unilateral Options to align with the current LMR System Design is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at this site, which your Board previously found categorically exempt from review under CEQA on July 11, 2019, pursuant to 14 Cal. Regs. ("CEQA Guidelines") §§ 15303 and 15304 as well as additionally pursuant to 14 Cal. Regs §§ 15301 for the reasons stated in this Board Letter and as noted in the record of the project.
2. Approve Amendment No. 50 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to reflect the following:
- a. Reconciliation to replace one (1) LMR System Site Sunset Ridge (SUN) with the East Sunset Ridge (ESR) site as it relates to Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System



Components), and Phase 4 (LMR System Implementation) for a net cost increase in the amount of \$1,293,256.

- b. Extend the LMR bridge warranty until December 31, 2021, for certain Early Deployment/Specified Equipment bridging the warranty gap for this equipment until December 31, 2021, for a cost increase in the amount of \$393,906.
 - c. Incorporate certain LMR Change Order Modifications as further described in this board letter for a total cost increase in the amount of \$375,108.
- 3. Authorize an increase to the Maximum Contract Sum in the amount of \$2,062,270, when taking the recommended actions into consideration from \$288,518,090 to \$290,580,360.
 - 4. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 50.
 - 5. Delegate authority to the Executive Director to execute Amendment No. 50, in substantially similar form, to the enclosed Amendment (Enclosure).

Agenda Item K

IX. MISCELLANEOUS – NONE

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

XI. CLOSED SESSION REPORT

- 1. CONFERENCE WITH LEGAL COUNSEL –Anticipated Litigation (subdivision (d) of Government Code Section 54956.9) (1 case)
- 2. PUBLIC EMPLOYEE PERFORMANCE EVALUATION [Government Code Section 54957(b)(1)] Title: Executive Director

XII. ADJOURNMENT AND NEXT MEETING:

Thursday, December 3, 2020, at 9:00 a.m., via Microsoft Teams / Teleconference Meeting.



BOARD MEETING INFORMATION

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

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

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

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

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



BOARD OF DIRECTORS

MEETING MINUTES

**LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY**

Thursday, October 1, 2020 • 9:00 a.m.
Conducted via Microsoft Teams Meeting*

Board Members Present:

Mark Alexander, City Manager, CA Contract Cities Assoc.
John Curley, Chief of Police, City of Covina Police Dept.
Chris Donovan, Fire Chief, City of El Segundo Fire Dept.
Mark Fronterotta, Chief of Police, City of Inglewood Police Dept.

Alternates For Board Members Present:

John Geiger, General Manager, County of Los Angeles
Thomas Ewald, Deputy Fire Chief, County of Los Angeles Fire Dept.
Kay Fruhwirth, Asst., Dir., EMS Agency, County of LADHS
Mark Glatt, Chief, Los Angeles County Sheriff's Dept.
Brian Solinsky, Deputy Chief, City of South Pasadena Police Dept.

Officers Present:

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

Absent:

Chris Nunley, Chief of Police, City of Signal Hill Police Dept.



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

I. CALL TO ORDER

Alternate Chair, Mark Glatt, called the regular Board to order at 9:01 a.m.

II. ANNOUNCE QUORUM – Roll Call

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

III. APPROVAL OF MINUTES (A)

A. August 6, 2020 –Minutes

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

There were none.

Board Member Chris Donovan motioned first, seconded by Board Member John Curley.

Ayes 9: Alexander, Curley, Donovan, Ewald, Fronterotta, Fruhwirth, Geiger, Glatt, and Solinsky.

MOTION APPROVED.

IV. PUBLIC COMMENTS – NONE

V. CONSENT CALENDAR – NONE

VI. REPORTS (B-E)

B. Director's Report – Scott Edson

Executive Director Scott Edson stated hope everyone is well and remains safe during these trying times. There is much to report and a closed session scheduled for today.

LTE 2 Update

In regards to the Long Term Evolution (LTE) 2 update, Executive Director Edson provided historical context by reminding Board Members the Public Safety Broadband Network (PSBN) grant was received over ten (10) years ago and have successfully closed with over 100 sites built, all to public safety grade, thereby giving Los Angeles



County public safety agencies and professionals access to the most robust and redundant public safety data network in the Nation. Access to these sites are available through AT&T subscribing to their FirstNet data service. AT&T, is the federal contractor for the National Public Safety Broadband Network (NPSBN), is well into the process of including these sites into the National system.

Executive Director Edson went on to state as previously shared with your Board in a few email updates, LA-RICS has been 100% reimbursed on all invoices and claims submitted closing out LTE2 under the Broadband Technology Opportunity Program (BTOP). This includes all work for sites 1-20 as well as design, entitlement work, and equipment, for sites 21-26. The final invoices paid, the grantor will now process all final closeout reports and documents, which will be submitted to them this month.

The team continued to work on construction of sites 21-26; sites very important to the region and Project Director Chris Odenthal will provide an update on these sites under Agenda Item F. With final invoices approved by the grantor, and while in parallel, the team will build sites 21-26 under the AT&T Construction Agreement and move on to the next stage, which is transferring the grant-funded assets to AT&T for use in the National system.

Executive Director Edson stated before your Board today is Agenda Item J, which is an Amendment to the Asset Transfer Agreement previously approved by your Board in December 2017 for the Transfer of Round 2 assets. This agreement between the Authority and AT&T will allow the Authority to transfer and assign its 20% right, title and interest in the remaining BTOP grant-funded buildout of LTE Round 2 of the PSBN, in particular, BTOP grant funded equipment deployed at, and entitlements secured for, the twenty (26) Public Safety Grade PSBN sites, as well as spare equipment for use as part of the FirstNet NPSBN. Closing the books on the BTOP grant allows the team to start the process of closing out our AT&T Business Agreement including receiving six (6) million dollars from AT&T to sustain our administrative operations for this fiscal year 2020-2021 and the next.

Upon your Board's approval, the team will transmit the formal request to NTIA to approve the transfer of assets to FirstNet via the AT&T Asset Transfer Agreement.

Executive Director Edson also stated with sites 1-20 completed, and sites 21-26 underway, the team could finalize costs relating to storing equipment. The team is bringing before your Board Agenda Item K, which reflects a reduction in estimated costs relating to storage of equipment for PSBN Round 2.

Lastly, Objective 2 within BTOP grant was for the purchase of the Cell on Light Truck (CoLT) and Cell on Pickup Truck (CoPT) which the team had built, successfully tested and accepted, and moved to Los Angeles Sheriff's Department (LASD) facilities in early



July. The team continues to train users on the CoLT and CoPT and before your Board today is Agenda Item L, which is an Amendment to our existing Joint Use and Services Agreement with LASD for the housing, maintenance and deployment of the CoLT and CoPT. Executive Director Edson acknowledged LASD and stated expressed his appreciation for their oversight of these vehicles and their deployment whenever needed in the region.

LMR Update

In regards to the Land Mobile Radio (LMR) update, Executive Director Edson stated the team continues to work with Motorola (MSI) to update the Integrated Master Schedule (IMS) as well as bring in additional permits. The team has not accepted schedule submissions from MSI over the last three (3) months as there is still some work to do to identify their slippage and the recovery of time lost prior to COVID 19 and fires, as well as some efficiencies to help recover schedule delays as a result of those things now out of our control. As a result of MSI slippage in the schedule, COVID 19, fires, interference and other issues, the completion date for the LMR system has pushed out into 2022, likely, the 2nd quarter. It is hard to say for sure now because the team needs a recovery schedule from MSI and a plan to address the interference issues. Lead Engineer Ted Pao will provide an update on the frequency and licensing issues under Agenda Item G; and the team continues to work with the County of Los Angeles Internal Services Department (ISD) and its consultants to resolve this matter and greatly appreciate their assistance.

Executive Director Edson also stated, many of you operate on the T-Band frequencies today and our UHF system will use T-Band frequencies. There is an effort to repeal the Middle Class Tax Relief Law mandating the T-Band frequencies be auctioned off next year; the bill is H.R.451 - Don't Break Up the T-Band. The bill passed the House of Representatives by a vote of 410 to 5 last week and has moved on to the Senate. Information was received this morning the Senate will call for a vote at 11am Pacific Standard Time today. Just in case, after conferring with the Chair, the Sheriff is planning to send a request to the CEO to pursue lobbying the Senate immediately to help pass this bill as soon as possible.

In addition, without this act of congress, FCC must go through with an auction as mandated by law, even though they have said they do not want to, since 1) it is documented the sale value will not exceed the cost to move public safety to a different spectrum and 2) there is no spectrum to move to. Let us all hope the Senate passes the bill today.

As far as building permits go for LMR construction, the team have forty-five (45) permits in hand, and only five (5) permits left to be submitted all others are in the permitting process.



Executive Director stated at this time, no sites have been lost due to fires. The team is anxiously awaiting direction from the USFS Supervisor on when access to sites become available in the National Forest. Nonetheless, time lost due to the fires is now pushing sites and their construction into the winter season, which is problematic. There is a domino effect on Phase 4 activities, which are correspondingly pushed out, as well. There are a total of ten (10) sites currently impacted by the fires and USFS closure with three (3) more that will be impacted if the team is not allowed access to the sites soon. Program Manager Delfino will provide your Board with greater detail on progress made to date and impacts of unanticipated delays.

The team is working with MSI to identify efficiencies and compressions, but the team really needs to know when we are able to access those sites. The team has shared this update, as well as the negative impacts of COVID 19, and the interference issues with the LMR grantor (Cal OES and FEMA) and they are monitoring our progress closely given these unanticipated delays and complications.

In parallel and while the team waits to regain access to USFS sites, before your Board is Agenda Item M, which contemplates a change order required to comply with USFS requirements, as well as, road repair to allow access.

Finally, in regards to the Coastal Sites; great news from my email update; LACF072 and Saddle Peak Communications (SPN) went before the Regional Planning Commission on September 16, 2020, receiving unanimous approval from the commission for the permits and variances the team were seeking. Additionally, the team received the same outcome on September 23, 2020, for the three (3) Catalina Island Sites.

The team would like to thank Chief Glatt, Chief Ewald, and Sheriff's Captain Hocking and County Fire Captain Davey for speaking publicly in support of the project before the Planning Commissions, as well as special thanks to the Coastal and Catalina sites team who have worked hard towards this achievement. This week the team did receive appeals to the Coastal sites and that process is now moving forward to the Board of Supervisors. This team effort was led by Deputy Program Manager Tanya Roth, and she will provide additional details on these sites, the appeal, and the next steps under Agenda Item H.

Grants

Executive Director Edson provided an update on the BTOP grant and stated the team has completed the grant closeout with all drawdowns approved. The team is pending feedback on final reports from the grantor. Upon your Board's approval of the Asset Transfer Agreement, the team will submit the formal request to the grantor for approval. This will then lead to the successful closure of the BTOP grant, the very last



BTOP grant to close, and the team anticipate an audit within the next year. We are the last BTOP recipient to close out this grant, and all other BTOP recipients have undergone their audits years ago. Luckily, our team has much practice with audits.

As for the UASI grants, the team is underway with spending on both the UASI 18 and 19 grants, both awarded and open grants. The team has been in communication with the grant administrators, Cal OES and FEMA, keeping them well abreast of the program progress as well as the impacts of interference, COVID 19 and fires, and informing them we are working with MSI to identify schedule efficiencies, compressions and accelerations to try to mitigate delays caused by these issues.

The Los Angeles / Long Beach UASI held an approval authority meeting this past Monday forming a working group to address cybersecurity and potential grant programs and projects addressing this important matter. The City of Los Angeles Mayor's Office distributed grant applications for the 2021 grant year and the team plans to submit our application by the October 23, 2020, deadline. In addition, the team is currently undergoing an audit of UASI 2016 grant. The auditors conducted their audit meeting yesterday, as well as an asset management field audit. The team will be sure to report back to your Board once the report is received.

Lastly, Executive Director Edson stated Tom Molina came to us to serve as the Project Manager for Entitlements in 2014. Mr. Molina has had an illustrious career throughout the Western Hemisphere as a Civil Engineer and brought those experiences with him to LA-RICS where he served a myriad of positions. Tom has led the Program's efforts to secure lease agreements, zoning approvals, and outreach engagements. Mr. Molina has dedicated the last several years to oversee the execution of our Site Acquisition efforts on both LMR, LTE1, and LTE2 programs. Very few individuals have the patience to manage the multiple jurisdictions, easement companies, and LA-RICS vendors, yet Mr. Molina navigated all of these relationships to the benefit of LA-RICS. Other than his obvious contributions from a business perspective, Tom has a unique ability to balance the stressful program environment by playing pranks on his colleagues. Despite the stressful political world of entitlements and prank wars, the answer we will get when asking how to best describe Mr. Molina is he is a gentleman. He has always conducted himself as a professional, a gentleman and a friend and the team will miss his contributions to both the Program and the Team. The team has a plaque for Mr. Molina to be delivered to him because he was unable to attend today's meeting.

Alternate Chair Glatt asked Executive Director Edson to pass on our thanks to Mr. Molina for his dedicated work on the project.

There was no further discussion.



C. Project Manager's Report – Justin Delfino

LTE2 Highlights

Program Manager Justin Delfino presented the current status of LTE2 and stated Sites 1-20 are all completed and close-out materials including punch corrections and as-built information for transmittal to FirstNet AT&T should be completed by mid-October.

LTE2 Sites 21-26

Program Manager Delfino stated he will be brief because Project Director Odenthal will go into more detail in Agenda Item F.

- **MML2** - Work halted in September due to the Bobcat Fire, no progress was made at all in September.
- **MNTBPD** – Overcame a huge obstacle regarding use of existing tower at the site. Work restarted and is expected to complete end of October 2020.
- **POLA1** – Essentially complete; one antenna mount was back ordered, once it arrives, it will take two weeks to complete the site.
- **POLA2** - Power run is being examined for use approximately 900 foot run. Cell blocks are in and tower is up.
- **POLB1** - Awaiting confirmation of executed SAA.
- **POM2** – Work will commence in October. We do not have the exact commencement date yet but it is expected to occur this month.

LMR Highlights

LMR PROGRAM CONSTRUCTION OVERVIEW

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

- Unanimous consent by Regional Planning Commission for (5) coastal sites.
- Six (6) sets of plans were submitted to Department of Public Works (DPW) Plan Check, (5) submissions remaining, all planned for submission in October 2020.



- MSI found a design solution to meet the noise mitigation requirements at TWR and BJM to comply with stringent sound decimal level.
- Grant audit for UASI 16 included a site visit at VPK and CRN on September 30, 2020.
- Currently working on Phase 2 activity at BHS, RHT, and RIH; all USFS sites are stood down for now due to fire activity.
- Phase 4 work is active at eight (8) locations throughout various geographic cells.
- Cal OES Telecom group engaged LA-RICS to start a collaborative effort aimed at securing communications during 2028 Olympics. Technical staff has also engaged SoFi Stadium representatives including its DAS system specialists to explore integration opportunities with LA-RICS as the Stadium opened in September.
- SMMS (alarming system) will report to the NOC and use has been vetted and approved by the Team.

SAA's

Program Manager Delfino stated there are outstanding SAAs for the following sites: Coastal (TWR, BJM, DPK) Deputy Program Manager Roth will address the Coastal update in detail in Agenda Item H.

Current Focus:

Program Manager Delfino stated the Schedule IMS resolution for Phase 2 and Phase 4 work have been examined. While efficiencies were identified, MSI is yet to incorporate all changes. In addition, MSI is working to capture the total impact of the fire and how it affects schedule and provided updates highlighted below:

- Major goal is to get back into the US Forest to continue work at all USFS sites, particularly FRP with an attempt to avoid ski season.
- UASI 18 and 19 coordination meeting with MSI scheduled for today, October 1, 2020.
- Re-boot closeout process for Phase 2 and Phase 4 work with MSI in an effort to receive close out materials from MSI.



- The Technical Team continues to trouble shoot and plan work related to frequency licensing and coordination, which will be addressed in greater detail in Agenda Item G by Ted Pao.

TOP – UASI 18

Program Manager Delfino provided site photos of what the team has been working on and provided a photo of a concrete truck down the street from the waterworks site surrounded by neighbors as the team weren't allowed to use the driveway; so the team was creative and pumped concrete from across the street for the foundation; the tower cage being set and a photo of the concrete being pumped. The foundation is now completed and the team is making great progress on the build.

BHS – UASI 18

Program Manager Delfino stated the tower is erected, antennas mounts are up for microwave, and there are some receive and transmit antennas installed as well. The shelter is set in place and shared photos of the last remaining items, which is the trench that comes out of the SCE transformer that will feed the site and the slurry backfill.

RIH – UASI 18

Program Manager Delfino provided photos of RIH illustrating smoky conditions, poor visibility, and poor air quality the employees were working through; shared a photo of a crane finishing up the tower and the last photo showed a clear day very recently and the employees are changing out the hardware.

RHT – UASI 18

Program Manager Delfino stated this is a mega site for the network and involves migrating existing equipment to the new LA-RICS tower, and shared photos of the workers finishing the shelter and the emergency generator. There was a delay due to a protected species of bird landing onsite and nesting, but since then the team have made good progress. MSI, subcontractors, and LA-RICS have been working closely with the neighboring synagogue and assisted living facilities to be mindful of noise generation and work hours.

This concludes the Project Manager's Report.

There was no further discussion.

D. Joint Operations and Technical Committee Chairs Report – Lt. Sven Crongeyer / Ted Pao

LA-RICS Technical Lead Ted Pao provided an update from the Joint Operations and Technical Committee for the month. The Regional ISSI working group met on September 24, 2020 to review the status of the ICI-LARICS connection and discussed



the status of the other connections. There were also discussions of connecting specific parameters need to begin involving both technical and operations staff so that when the testing is in process, configurations can be set up properly the first time.

Lieutenant Sven Crongeyer provided an update and stated the team is in discussions with Long Beach Police Department regarding their new radio system connecting to LA-RICS via ISSI. LA-RICS is currently working on a plan to provide notifications to regional agencies regarding the new channels and frequencies for future radio programming. This is important for radio interoperability for their future needs.

This concludes the Joint Operations and Technical Committee Chairs Report.

There was no further discussion.

E. Finance Committee Chair Report – No Report

VII. DISCUSSION ITEMS (F-J)

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

Project Director Chris Odenthal presented Agenda Item F and provided an update on sites 21-26 as highlighted below:

- MML2 has largely been frozen in time because of the impact of fires in the Angeles National Forest and subsequent closure for all National Forests in California. The team is expecting an update today on whether the closure is going to continue or if it will be lifted; this information will allow the team to report back on the impact and whether the duration has increased or allowed us to move forward.
- Montebello PD site is finally moving along very nicely and the team is expecting construction to be wrapped up by the end of October with hand over to AT&T with closeout documentation.
- POLA1 and POLA2, progressing well with one item missing a mounting for an antenna and connections for power. The tower is up lines and antennas are installed and equipment is there; all those activities have been done. The team is just waiting for power and the last piece of equipment with both POLA sites in the same position.
- POLB1 all activities by LA-RICS are accomplished; the team is now waiting on POLB and AT&T to agree to terms on their lease agreement; AT&T has asked not to proceed from a construction standpoint until they are certain an

agreement can be struck with the POLB. The team has been working with both sides to try to progress the review and subsequent approval. AT&T is in receipt of redlines and the team should be able to forward shortly and expect overall terms are mutually approved. The team does not have to wait for AT&T and the POLB to sign and execute the agreement in order to proceed, just the notice from AT&T that they are confident a deal will be reached.

- POM2 is taking longer than usual to process drawings from the Judicial Courts of California (JCC) and the team are waiting for them to finalize their review of the drawings. All contractors are on board and ready to go simply waiting for the final approval.

Lastly, Program Director Odenthal stated LA-RICS is in the position to work with AT&T to complete construction at these sites and hand them over; there is no grant deadline on these sites; however, the team does have a deadline of getting these sites constructed and turning over to AT&T for the FirstNet Network as soon as possible.

There was no further discussion.

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

LA-RICS Technical Lead Ted Pao stated on the TV interference issue, the Channel 16 TV interference is still unresolved but the County is actively mitigating the interference issues with both the TV stations in San Diego and Fresno. The TV station in San Diego has reduced its power output to 20% of its licensed power to mitigate interference that has caused operational issues for the LASD. The County is currently collecting data to determine the outcome of this power reduction mitigation.

LA-RICS Technical Lead Ted Pao went on to state the new antenna for San Diego's TV station is due to arrive at the end of October. The new antenna will be placed at another transmitter site to further reduce the interference signal into Los Angeles.

Since our last report, the County performed testing of directional antennas to mitigate Fresno's Channel 16 signal. The reduction in interference level improved but it was not significant and it continues to impact existing LASD operation.

On the frequency license topic, our applications for our permanent T-Band licenses and the Special Temporary Authorization (STA) applications are still in pending status with the FCC. The County will provide a briefing on the STA status tomorrow.



Project Director Odenthal stated a reminder of Executive Director Edson comment earlier regarding the review of Senate vote at 11am as this would have significant impact to the ability to use UF spectrum in the region.
There was no further discussion.

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

Deputy Program Manager Tanya Roth stated it has been a busy two (2) months and an incredible team lift as it relates to the Coastal activities for the program. In addition, to the Topanga site construction highlighted by Program Manager Delfino, on behalf of the team she reported that the team received unanimous approval from Regional Planning Commission for the Coastal Development Permit applications that have been filed. Deputy Program Manager Roth echoed Chief Edson's gratitude and conveyed a special thank you to Chief Glatt, Fire Chief Ewald, Captain Hocking, and Captain Davey for their testimony in support of the projects at hearing. The information they shared provided a poignant experience from a "boots on the ground" perspective and the need for the updated system the team are building. The team is in receipt of appeals and are working through the process with Regional Planning and the Board of Supervisors office. Approval at the Regional Planning Commission Hearing has been a decade in the making and a milestone achievement for the program.

There was no further discussion.

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

Executive Assistant Stallworth-Tait stated before your Board today as Agenda Item I is the Outreach Summary for the months of August and September and highlighted a few of the outreach activities; members of the LA-RICS team participated in the Department of Regional Planning Hearing Officer and Significant Ecological Area Technical Advisory Committee (SEATAC) meetings and the regularly scheduled Regional Planning Commission meetings.

Executive Assistant Stallworth-Tait went on to state meetings continued with AT&T and members of the team met with the Montebello City Manager, Fire Chief and Deputy Director of Housing and Sustainability to discuss construction activity at the Montebello PD LTE2 site.

Lastly, members of the LA-RICS Team participated in a demonstration from Mcomtech Commshop by Motion Deck.

Lieutenant Crongeyer stated the all LASD has completed radio updates at all of its patrol stations and is now upgrading radios at the Detective Bureaus. The team is



currently working on a new code plug for UCLA Police Department and after that will be programming radios for CSULA Police Department including their mobile and dispatch center radios.

There was no further discussion.

VIII. ADMINISTRATIVE MATTERS (J-M)

J. APPROVE AMENDMENT NO. 2 TO THE ROUND 2 PSBN ASSET TRANSFER AGREEMENT WITH AT&T CORP.

Administrative Deputy Susy Orellana-Curtiss presented Agenda Item J for the Boards consideration, which is Amendment No. 2 to the Asset Transfer Agreement between LA-RICS and AT&T which includes the following recommended actions:

1. Delegate authority to the Executive Director to execute Amendment No. 2 to the Asset Transfer Agreement, in substantially similar form to Enclosure 1 (Amendment 2 to the Asset Transfer Agreement), between the Authority and AT&T to allow the Authority to transfer and assign its 20% right, title, and interest in the remaining BTOP grant-funded buildout of Round 2 of the LA-RICS PSBN, in particular, BTOP grant funded equipment deployed at and entitlements secured for, the twenty-six (26) public safety grade PSBN sites, as well as spare equipment for use as part of the FirstNet NPSBN. Amendment No. 2 to the Asset Transfer Agreement is subject to final approval from NTIA and the NOAA Grants Office; and
2. Delegate authority to the Executive Director to approve and execute amendments to the Asset Transfer Agreement that update or revise the schedules attached to the Agreement, as may be necessary, provided that any such amendments are approved as to form by Counsel to the Authority.

Board Member Mark Alexander motioned first, seconded by Board Member Chris Donovan.

Ayes 9: Alexander, Curley, Donovan, Ewald, Fronterotta, Fruhwirth, Geiger, Glatt, and Solinsky.

MOTION APPROVED.

K. APPROVE AMENDMENT NO. 47 TO AGREEMENT NO. LA-RICS 008 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM PUBLIC SAFETY BROADBAND NETWORK

Contracts Manager Jeanette Arismendez presented Agenda Item K, Amendment No. 47 to the PSBN Agreement, for Board approval. Amendment No. 47 contemplated a



reconciliation to reduce certain unused storage costs resulting in a reduction in the contract amount of \$92,504 and recommended the Board take the following actions:

1. Approve Amendment No. 47 to Agreement No. LA-RICS 008 with Motorola Solutions, Inc. (Motorola) to reconcile PSBN Round 2 equipment storage costs resulting in a cost decrease in the amount of \$92,504.
2. Authorize a decrease to the Maximum Contract Sum in the amount of \$92,504 from \$138,237,420 to \$138,144,916, when taking the recommended actions into consideration.
3. Delegate authority to the Executive Director to execute Amendment No. 47, in substantially similar form, to the Amendment enclosed with the Board Letter.

Board Member Mark Alexander motioned first, seconded by Board Member John Curley.

Ayes 9: Alexander, Curley, Donovan, Ewald, Fronterotta, Fruhwirth, Geiger, Glatt, and Solinsky.

MOTION APPROVED.

L. APPROVE AMENDMENT NO. 1 TO AGREEMENT NO. 78225 FOR JOINT USE AND SERVICES AGREEMENT WITH THE LOS ANGELES COUNTY SHERIFF'S DEPARTMENT

Contracts Manager Arismendez presented Agenda Item L for Board Approval and stated, as previously mentioned by Executive Director Edson, Amendment No. 1 is for an existing MOU between the Authority and the County of Los Angeles Sheriff's Department (LASD). Contracts Manager Arismendez recommended the Board take the following actions:

1. Approve Amendment No. 1 to Agreement No. 78225 for the Joint Use and Services Agreement, which contemplates LASD housing, maintaining, insuring, and deploying the Authority's CoLT and CoPT.
2. Delegate authority to the Executive Director to execute Amendment No. 1, in substantially similar form, to the Amendment enclosed with the Board Letter.
3. Delegate authority to the Executive Director to approve and execute Amendments to the Agreement that do not impact the term, or any terms and conditions of the Agreement, provided any such Amendments are approved as to form by Counsel to the Authority.



Contracts Manager Arismendez stated if the Board approved this item, it would then be presented to the County of Los Angeles Board of Supervisors (BOS) for final execution between the County and the Authority. For additional information regarding this item, both the LA-RICS JPA Board and the County of Los Angeles BOS approved the MOU Agreement in 2014. No other terms and conditions have been modified.

Board Member Mark Alexander asked how the Authority planned to address any damage or destruction to property that may occur while the COLT and COPT are in LASD's operational control. Contracts Manager Arismendez stated the MOU and Amendment No. 1 includes dual indemnity language, meaning if there is any damage from an LA-RICS deployment, then LA-RICS shall assume liability. If LASD damaged the vehicle(s) under its deployment, then LASD assumes any liability incurred.

Alternate Board Member Kay Fruhwirth motioned first, seconded by Alternate Board Member Thomas Ewald.

Ayes 9: Alexander, Curley, Donovan, Ewald, Fronterotta, Fruhwirth, Geiger, Glatt, and Solinsky.

MOTION APPROVED.

M. APPROVE AMENDMENT NO. 49 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM LAND MOBILE RADIO SYSTEM

Contracts Manager Arismendez presented Agenda Item M, Amendment No. 49 to the LMR Agreement, for Board approval. Amendment No. 49 contemplated inclusion of certain LMR Change Order Modifications and Contract Manager Arismendez recommended the Board take the following actions:

1. Make the following findings with respect to the LMR Change Order Modifications:
 - a. Find that (a) approval of Amendment No. 49 to contemplate certain Change Order Modifications at one (1) LMR System site, Mount Lukens 2 (MTL2), related to removing impediments to road access caused by erosion to the site road, is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified by the Board under CEQA on March 29, 2016; and (b) that 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 substantial increase in the severity of previously identified significant effects.



- b. Find that (a) approval of Amendment No. 49 to contemplate Change Order Modifications at eleven (11) LMR System sites, Burnt Peak 1 (BUR1), East Sunset Ridge (ESR), Frost Peak (FRP), Grass Mountain (GMT), Johnstone Peak 2 (JPK2), Loop Canyon (LPC), Magic Mountain Link (MML), Mount Lukens 2 (MTL2), Pine Mountain (PMT), Whitaker Middle Peak (WMP), and Whitaker Ridge (WTR) related to new antenna models and powder coating at the sites, is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified by the Board under CEQA on March 29, 2016; and (b) that there are no changes to the project at these sites or to the circumstances under which the project is undertaken that require revisions to the previous EIR due to new significant effects or substantial increase in the severity of previously identified significant effects.
 - c. Find that (a) approval of Amendment No. 49 to contemplate certain Change Order Modifications at two (2) LMR System sites, Mount Disappointment (MDI) and Portal Ridge (PRG) related to the new antenna models and powder coating at the sites, are within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at these two (2) sites, which your Board previously found statutorily exempt from review under CEQA pursuant to Public Resources Code Section 21080.25, on February 5, 2015, the exemption adopted specifically for the LA-RICS project, and any leased circuit work that may occur outside of Sites MDI and PRG, if needed to provide network connectivity to the LMR System, is categorically exempt under CEQA pursuant to Guidelines section 15301 (existing facilities), 15303 (new construction or conversion of small structures) and 15304 (minor alterations to land).
 2. Approve Amendment No. 49 to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to incorporate certain LMR Change Order Modifications as further described in this letter for a total cost increase in the amount of \$370,007.
 3. Authorize an increase to the Maximum Contract Sum in the amount of \$370,007 from \$288,148,083 to \$288,518,090.
 4. Delegate authority to the Executive Director to execute Amendment No. 49, in substantially similar form, to the Amendment enclosed with the Board Letter.

Alternate Chair Glatt inquired if there was a net sum increase. Contracts Manager Arismendez stated there is a total increase of \$370,007.



Board Member Alexander asked what the source of funding was for the \$370,007 increase and Contracts Manager Arismendez indicated the source is from UASI 18 grant funding.

Board Member John Curley motioned first, seconded by Alternate Board Member Thomas Ewald.

Ayes 9: Alexander, Curley, Donovan, Ewald, Fronterotta, Fruhwirth, Geiger, Glatt, and Solinsky.

MOTION APPROVED.

IX. MISCELLANEOUS – NONE

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

Board Member John Curley –conveyed his thoughts and prayers for the two (2) deputies from the LASD and expressed his pleasure hearing the very good news yesterday on the successful criminal filing on the attack of the two (2) deputies. He also offered thanks and appreciation to the Fire partners as well, for what they have been dealing with and continue to deal with in the last couple of months; as a resident of the foothill, community he expressed their work was much appreciated it.

Alternate Chair Mark Glatt and Alternate Board Member Thomas Ewald expressed their thanks to Chief Curley for his sentiments.

XI. CLOSED SESSION REPORT

The Board entered into Closed Session at 9:54am.

1. CONFERENCE WITH LEGAL COUNSEL –Anticipated Litigation (subdivision (d) of Government Code Section 54956.9) (2 cases)
2. PUBLIC EMPLOYEE PERFORMANCE EVALUATION [Government Code Section 54957(b)(1)] Title: Executive Director

The Board returned from Closed Session at 10:30am and Counsel Truc Moore took roll call and acknowledge a quorum was present. Counsel Truc Moore stated the Brown Act does not require a report.

XII. ADJOURNMENT AND NEXT MEETING:

The Board meeting adjourned at 10:32 a.m., and the next meeting will be held on Thursday, November 5, 2020, at 9:00 a.m., via Teleconference/Microsoft Teams Meeting.

Executive Summary

November 18, 2020

LTE Update

- PSBN Round 2 - In the month of September 2020, LA-RICS successfully closed out the grant funded portions of LTE2, which comprised of twenty (20) new sites which are now in final stages preparing for transfer to FirstNet AT&T. There were no recordable injuries, labor compliance violations, nor environmental findings on the build-out of the first twenty (20) sites. Regarding sites twenty-one through twenty-six (21-26), LA-RICS has nearly completed both POLA1 and POLA2 installations; POLA1 only has two weeks' worth of work to complete the site. POLA2 requires an additional ninety-five (95) feet of trenching to connect to the existing raceway for house power; the plan is currently under review with Fenix Terminal Management for approval. MML2 is now accessible after over a month of shutdown by the USFS, and regaining access to the site will allow for its completion on October 30, 2020. POM2 suffered a later than planned start due to the election of an alternate house power distribution source and for consideration of a hazardous materials abatement permit that is still under review by the Judicial Council of California. MNTBLPD encountered and overcame design difficulties early in the project stemming from existing underground utilities; after which the project was temporarily stood-down at the request of the City of Montebello over Site Access Agreement (SAA) questions. Lastly, POLB1 is now in position to prepare for construction start, since the Site Access Agreement (SAA) is agreeable between parties. The new equipment will be co-located on the existing tower structure and the electrical utility will be provided from an existing source. LA-RICS and its contractors are poised to bolster FirstNet/AT&T coverage in the region with the delivery of twenty-six (26) public safety grade LTE sites in 2020.

LMR Update

- Building Permit(s) Received – 45 Sites to date. There are thirteen (13) building permits remaining. Total site count remains at fifty-eight (58) sites.
- The May 12, 2020, IMS had indicated that all Phase 2 work would be completed in 2021, and all Phase 4 work would be completed by March 28, 2022; however in the month of June, MSI made unauthorized changes to the IMS pushing the schedule into 2023. The Authority had spent the remainder of June, July, and August focusing on the origin of the unauthorized extension. In October, MSI indicated that they have added the time due to misestimating previously. In addition, there were Force Major Delays occurred in September (Bobcat Fire) that caused delay. In addition, appeals were filed with the Department of Regional Planning and California Coastal Commission against the Saddle Peak site (SPN) and LA County Fire Station 072 site (LACF072). The MSI and LA-RICS Teams will continue to work on assuring correct logic ties are in place and all forecasted dates are accurate as well as accounting for the items causing delays.

- Sites Eligible to Construct: (Includes Completed Sites, Sites under Construction and/or Equipment Installs and Locations).

1. APC – Junction of I-105 and I-405
2. BMT – Angeles, overlooking CA-138 and I-5
3. CCB – Compton
4. CCT – Downtown
5. CLM – Claremont
6. FCCF – 1320 Eastern Ave
7. HPK – Northern Angeles,
8. LAN – Lancaster Sherriff Station
9. LDWP243 – Junction of I-5 and CA-14
10. LASDTEM – Temple City
11. LA-RICS HQ, - Monterey Park
12. MLM – Mira Loma Detention Center
13. MMC – Palmdale – Sierra Pelona Mountain Way
14. MVS – Whittier
15. ONK – Oat Nike
16. PHN – Puente Hills
17. PLM – Palmdale
18. SDW – San Dimas Water Tank
19. TPK – Gorman
20. VPK – Verdugo Peak – Glendale
21. SGH – Signal Hill
22. MIR – Mirador
23. BKK - West Covina
24. OAT – Nike
25. AGH – Agoura Hills
26. INDWT – Industry Water Tank
27. BHS – Baldwin Hills
28. RIH – Rio Hondo
29. CRN – Cerro Negro
30. POM – Pomona Courthouse
31. DPW038 – Water Works Substation 038
32. UCLA
33. Del Valle Training Center
34. RHT – Rolling Hills Transmit
35. GMT – Grass Mountain
36. JPK2 – Johnstone Peak 2
37. PRG – Portal Ridge
38. WMP – Whitaker Middle Peak
39. WTR – Whitaker Ridge
40. LPC – Loop Canyon
41. MML – Magic Mountain Link
42. PMT – Pine Mountain
43. MDI – Mount Disappointment
44. FRP – Frost Peak
45. TOP – Topanga Peak

LA-RICS GRANT STATUS					
Grant	Award	Costs Incurred/NTP Issued	Invoiced / Paid	Remaining Balance	Performance Period
UASI 12	\$18,263,579	\$18,263,579	\$18,263,579	\$-	3/31/17
UASI 13	\$13,744,067	\$13,744,067	\$13,744,067	\$-	3/31/18
UASI 14	\$4,997,544	\$4,997,544	\$4,997,544	\$-	7/31/17
UASI 16	\$5,240,455	\$5,240,455	\$5,240,455	\$-	5/31/19
UASI 17	\$34,763,750	\$34,763,750	\$34,763,750	\$-	5/31/20
UASI 18	\$35,000,030	\$32,906,402	\$ 5,422,953	\$2,093,628	5/31/21
UASI 19	\$35,000,000	\$8,520,932	\$ 0	\$26,479,068	5/31/22
BTOP	\$149,608,227	\$149,608,227	\$149,608,227	\$ 0*	9/30/20

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

Los Angeles Regional Interoperable Communications System

PROJECT DESCRIPTION

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

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

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

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

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

Location:

2525 Corporate Place, Suite 100
Monterey Park, CA 91754

Authority:

Los Angeles Regional Interoperable
Communications System

Management:

LA-RICS Project Team

Consultant:

Jacobs Program Management Company

Communications Vendor:

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



Monthly Report No. 102

For October 2020

Submitted October 27, 2020

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AGENDA ITEM C

LTE UPDATES

- No new activity

Operations/Governance

- The LA-RICS Operations team is holding meetings three (3) times a week to focus on the following:
 1. Manage network migration from LA-RICS PSBN to AT&T FirstNet
 2. Ensure internal LA-RICS operational aspects are in place
 3. Develop and Implement Policies

LTE Round 1 Updates

- Construction and testing of LTE Round 1 (LTE1) sites are complete. Final SAA negotiations continue with AT&T and site owners as AT&T continues their efforts to complete site improvements to tie the LTE1 sites into the NPSBN System.

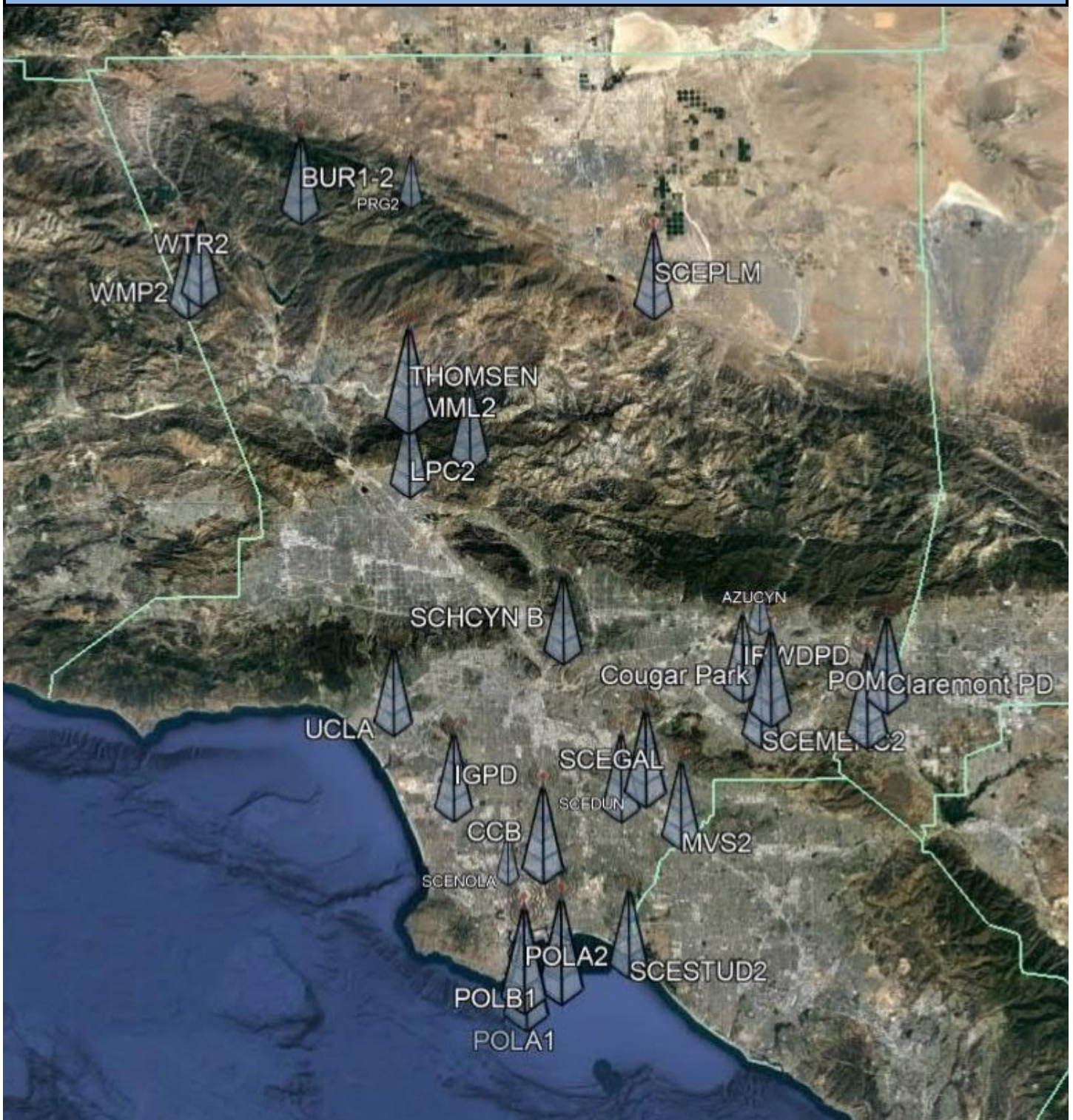
Special Events

- No new activity.

LTE Round 2 Updates

- Twenty (20) sites are substantially complete. The LA-RICS Authority successfully closed out its BTOP grant with NTIA. Work on sites twenty-one (21) through twenty (26) is continuing under a revised agreement with FirstNet/ AT&T.
- The final Special Award Condition (SAC) compliance quarterly report was submitted to NTIA on September 29, 2020. There were no environmental compliance issues to report in this period.
- There are no safety issues to report on in this period.
- Second Round punch list responses to FirstNet AT&T have been provided on fifteen (15) sites with remaining documentation to be transmitted by 10/30/2020. In parallel FirstNet AT&T is in process of Power and Generator Site Acceptance Testing to support close out activities. Anticipate FirstNet AT&T to have completed approximately 45% by 10/30/2020.
- Construction has begun on sites MML2, MTBLPD, POLA1 and POLA2. The City of Long Beach and FirstNet AT&T are in continued negotiations to finalize the Site Access Agreement for the POLB1 Site. Therefore, LA-RICS has not yet started construction on the POLB1 site.
- The site POM2 has received direction from Judicial Council of California requiring collaboration with Forensic Analytical Consulting Services, Inc. to verify appropriate measures are taken to mitigate potential asbestos concerns associated to power conduit penetrations on the roof of the site. Forensic Analytical Consulting Services, Inc. is reviewing design and in process of providing the Judicial Council of California required data for building permit issuance.
- All remaining (6) sites are under contract, each contractor has already worked with LA-RICS on the first group of twenty (20) sites.

LTE SITES



LMR UPDATES

Environmental Update

- Continued to review PNS' and FCS' weekly and daily compliance reports, and to attend a weekly compliance status meeting. Conducted compliance visits to active construction sites.
- Have accomplished Worker Environmental Awareness Program (WEAP) training for 1,388 persons as October 16, 2020.
- Continued to support development of and to review MSI's coastal development permitting documents and planning documents for USFS sites.
- Prepared 3 NOEs and 1 NOD for actions taken during the October Board meeting and filed them after the meeting on October 1.

Permitting Support

- DPW staff have been consistently engaged to provide just-in-time support for plan check activities, with a weekly dashboard being communicated between the Authority and DPW management. This cooperation has proven to reduce the drawing review cycle time and produce more specific comments which results in more accurate submissions for permitting.
- The Decision Memo for the 13 LMR sites on the ANF was issued by the Angeles National Forest (ANF) on October 31st, 2019. All 12 of the sites in the ANF subject to an LA-RICS Special Use Permit (SUP) have now been permitted by the USFS. A regional order was issued on September 7 closing the ANF to all uses including LA-RICS, through October 8. One Red Flag warning has occurred since that time (October 15) which precluded access to ANF sites.

Site/Civil

- The LMR program continues to make progress, although this progress is still impacted in the Forest this period. This quarter remains very active in Ph.2 work and is expected to carry through to the end of first quarter 2021. In this period MSI has communicated complications arising out of COVID-19 Pandemic impacts from sub-tier contractors. There have been several formal communication exchanges between MSI and LA-RICS in this period to address constructive change notices from MSI as well as to address program concerns from the Authority such as contractor staffing, supervision, schedule and quality control issues, as well as site specific issues that required MSI to make corrective actions. MSI has fifteen (15) active sites in October, nine of which were time impacted by fires in October 2020. There have been no environmental, nor USFS findings reported to date. There have been zero recordable safety incidents to date. The May Program schedule (IMS) dated 5/12/2020 showed an overall finish date of 5/28/2022, however on October 13th, 2020 MSI introduced a new finish date extending more than nine months with little justification for the dramatic move. This action triggered a rejection of the October 13th Integrated Master Schedule (IMS) submission. As the finish date of the program was still not recovered to March of 2020 where it previously had been established and accepted by the Authority, the schedule will not be approved until Motorola can provide justification for the new dates and/or a recovery schedule. The Authority continues to communicate to MSI that finishing beyond the previously accepted March 2022 date was not acceptable and together LA-RICS and MSI must still work to identify those efficiencies that will allow a mutually agreeable end date as well as a pathway to it despite the excusable delays from fires and other events in third and fourth quarters. To date the Authority has sent five (5) non-compliance letters to MSI regarding more than two thousand (2,000) items that are late in the schedule. Specifically, since May the schedule shows that the LMR Program is now one hundred ninety four (194) days late three hundred eighty three (383) activities added duration, seventy five (75) of which are twenty (20) days, or greater.
- Fifty (50) building permit applications have been made to date (LACFDEL, PHN, BMT, HPK, LDWP243, LASDTEM, FCCF, APC, CCB, CCT, PLM, MLM, MVS, ONK, LARICSHQ, CLM, MMC, TPK, VPK, POM, LAN, CRN, SDW, SGH, DPW038, OAT, UCLA, INDWT, AGH, BKK, MIR, BHS, FRP, GMT, JPK2, LPC, MDI, MML, PMT, PRG, WMP, WTR, RIH, RHT, CPK, UNIV, GRM, TOP, MTL2 and LACF072) and forty-seven (47) of the fifty (50) sites have permits issued to date. MSI has elected to split permits at a number of project sites in the program for various reasons. An example of splitting the Ph. 2 scope into multiple permits is at RHT, where there is a "civil work" building permit issued, but the antenna support structure scope is an entirely separate permit and the electrical distribution scope is also a separate permit.
- As of 10/27/2020 there are fifty-four (54) executed SAA's.
- Those sites remaining are ESR, which is mutually agreed between parties, the three Catalina Island sites, TWR, BJM, and DPK also remain to be completed.

- In the month of October 2020 MSI and the Authority have agreed once again to fast track drawing reviews by skipping the normally required interval submissions in favor of group commenting sessions. MSI feels that this is the best method given its resources, to process the Ph.1 work to completion and submit to plan check. Over twenty-six (26) sites have power at this time and the Authority is closely tracking site optimization with MSI and has noted that MSI is behind on-site optimization given the available pool of candidate sites that the site technicians could be completing the work. Frequency usage and narrow-banding remain focal items for the LMR Program throughout the month of October while the Sheriff works to complete narrow-banding by the end of October 2020. Outreach to Signal Hill PD and Covina PD has been conducted based on discussions at the JPA Board meeting in August 2020. Potential new requirements for Covina are being vetted to ensure seamless operation on LA-RICS LMR System. System interference on Ch. 16 is still being investigated by the Sheriff's Department along with the technical liaisons from LA-RICS. The coordination between LASD and LA-RICS is critical to ensure that frequencies are available for testing and operating the Analog Conventional System (ACVRS) particularly. Regarding schedule, MSI identified in Monthly Report No. 85 that the cut-over durations have been an area of focus in the schedule. The Authority acknowledges that the cut-over process and its increase in duration is a factor contributing to the overall push out of the IMS starting in the Month of June, however more significant issues have surfaced. In calendar year 2020 there have been effects of COVID 19 that have negatively impacted the Program, in addition, the "Lake" and "Bobcat" fires have burned hundreds of thousands of acres triggering a shutdown of the forest and nearly two months of delay.

[illegible]

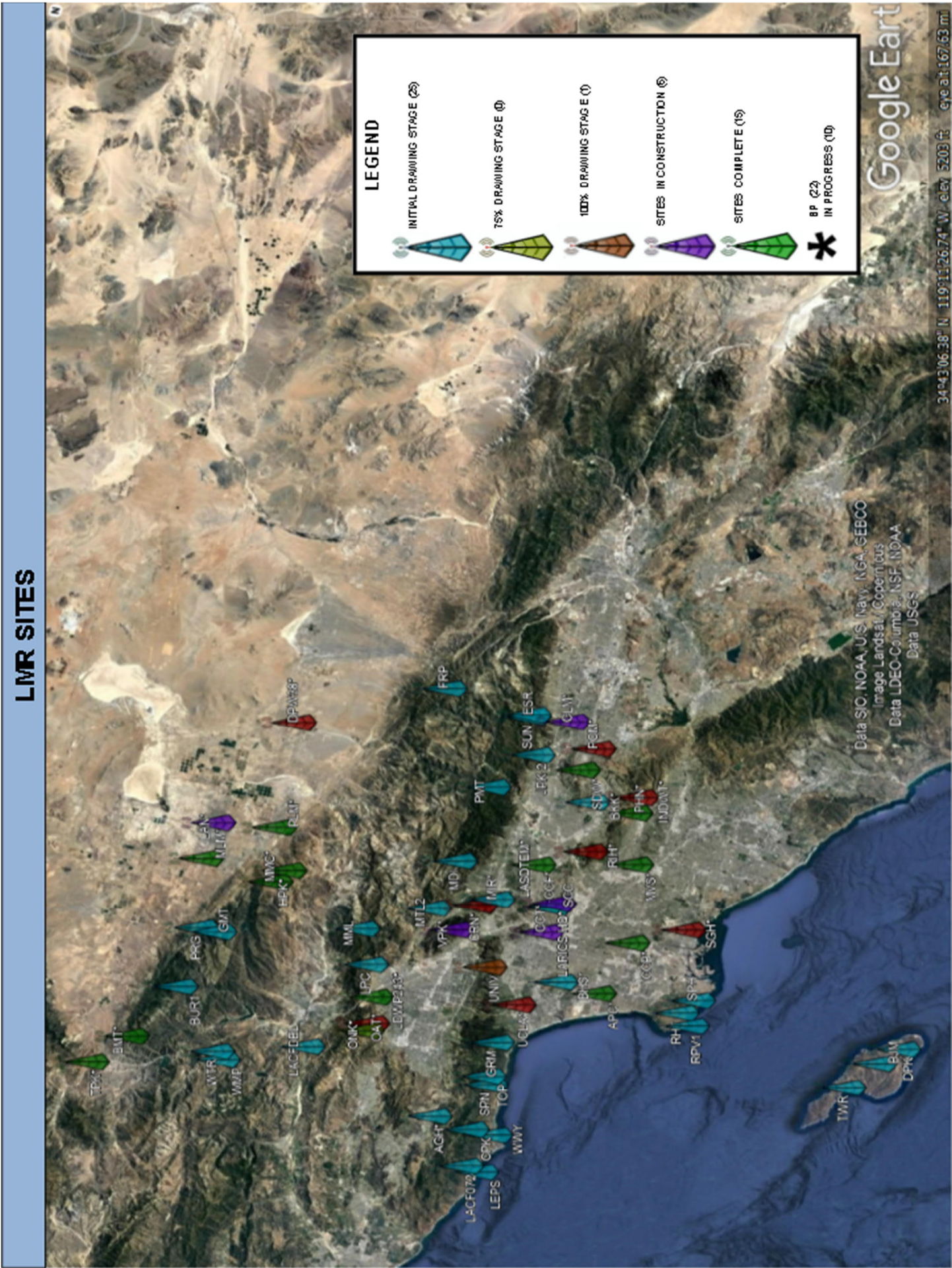
LMR SITES

LEGEND

- INITIAL DRAWING STAGE (25)
- 75% DRAWING STAGE (1)
- 100% DRAWING STAGE (1)
- SITES IN CONSTRUCTION (2)
- SITES COMPLETE (15)
- BP (2)
- IN PROGRESS (1)

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

34°43'06.38" N 119°11'26.74" W elev 5203 ft eye alt 167.63 m



LMR SITES

The map displays the San Francisco Bay Area with numerous LMR sites marked by colored cones. The legend indicates the following categories:

- INITIAL DRAWING STAGE (25) - Blue cone
- 75% DRAWING STAGE (4) - Green cone
- 100% DRAWING STAGE (1) - Orange cone
- SITES IN CONSTRUCTION (6) - Purple cone
- SITES COMPLETE (15) - Red cone
- BP (2) - Black star
- IN PROGRESS (10) - Black star

Site labels include: TRAC, BMT, BUR1, WTR, WMP, LACFDEL, LACF072, LEPS, AGH, GRK, SPN, GRM, TOP, WMY, UCLAW, UNIV, LMB243, OAT, OMK, LPC, MML, MTL2, VPK, GBN, MIR, LASOTED, COG, COF, LARIES, B, SCC, BNS, APC, RH, RPV1, SP, SGH, TW, DP, BUN, DP, INDANT, PHN, BNA, SDW, FOM, CLM, E2, SUN, ESR, PMT, FRP, DPW3P, RMT, MWC, BPC, GWT, NMT, SAN, and BMT.

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

Google Earth

34°43'06.38" N 119°11'26.74" W elev 5203 ft eye alt 167.63 m

LMR SITES

The map displays the San Francisco Bay Area with numerous LMR sites marked by colored cones. The legend indicates the following categories:

- INITIAL DRAWING STAGE (25) - Blue cone
- 75% DRAWING STAGE (4) - Green cone
- 100% DRAWING STAGE (1) - Orange cone
- SITES IN CONSTRUCTION (6) - Purple cone
- SITES COMPLETE (15) - Red cone
- BP (2) - Black star
- IN PROGRESS (10) - Black star

Site labels include: TRP, BMT, BUR1, WTR, WMP, LACFDEL, LACF072, LEPS, AGH, GPK, SPN, GRM, TOP, WWY, UCLAW, UNIV, LMB243, OAT, OMK, LPC, MML, MTL2, VPK, GBN, MIR, LASOTED, COG, COF, LARIES, B, SCC, BNS, APC, RH, RPV1, SP, SGH, TW, DP, BUN, DP, INDANT, PHN, BNA, SDW, FOM, CLM, ESR, SUN, ESR, PMT, FRP, DPW36P, RMT, MWC, BPC, GWT, SAN, NMT, and BMT.

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Data LDEO-Columbia, NSF, NOAA
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LMR SITES

LEGEND

- INITIAL DRAWING STAGE (25)
- 75% DRAWING STAGE (4)
- 100% DRAWING STAGE (1)
- SITES IN CONSTRUCTION (6)
- SITES COMPLETE (15)
- BP (2)
- IN PROGRESS (10)

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Monthly Report #86

Reporting Period: 9/18/2020 thru 10/21/2020

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

Motorola Solutions, Inc.



MOTOROLA SOLUTIONS

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1. Executive Summary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

set forth in this Amendment No. 37.

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

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

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

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

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

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

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

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

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

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

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

This report covers the period from 9/18/2020 thru 10/21/2020

During this reporting period Phase 1 design tasks continue for 16 remaining LMR site design packages. Of these 16 site design packages, all but three are in jurisdiction plans review: Sites SPH, SPN, and RELAY. 4 of 7 Coastal sites within LA County jurisdiction are well into the LA County Department of Regional Planning (DRP) zoning approval process with two of Coastal Sites CPK (still in plans review) and TOP (under construction) receiving DRP zoning exemptions. Following a Coastal Hearing in September for sites LACF072 and SPN, appeals were filed by members of the community. These appeals triggered another hearing that is anticipated to take place in six months, delaying the zoning approvals for these

two sites. DRP permits cannot be obtained for site construction without these zoning approvals. A similar Coastal Hearing was held the Santa Catalina Island Coastal Sites on 9/23/2020. No appeals were filed.

The seventh Coastal Site, GRM, has its site design package in City of Los Angeles Plans check during this period. The LA City planner, after reviewing the requested grant deed, determined that this State of California parcel is in Los Angeles County jurisdiction. The GRM plans were subsequently submitted to DPW for plans review while LA-RICS is confirming the responsible reviewing jurisdiction. During this period, UNIV site plans were approved by DRP pending the receipt of zoning exemption documentation from LA City. LA-RICS is coordinating with LA City to obtain the necessary exemption documentation to release this permit. Coastal Site CPK site plans have been approved by DPW and as a precursor to construction start, LA-RICS is coordinating a removal of utilities that are in the improvement area.

Motorola and its partners continue design, engineering and construction work despite the COVID-19 pandemic. Construction work continues at sites including BHS, RIH, and RHT. The DRP-exempt TOP (Microwave only) site construction work is in progress with the monopole structure erected and the outdoor cabinet set in place. As of this report, the USFS site work suspensions due to wildfires have been lifted. Site construction has resumed at 9 USFS sites. Recently permitted sites, BUR1 and PMT, will commence construction once the regional fire authority allows non-emergency vehicular traffic on roads to the sites. The road to MTL2 had sections in need of repair prior to site construction. Motorola was informed by LA-RICS that during the wildfires, fire crews had made road repairs for access. A Motorola team is confirming that the road is now useable by heavy construction vehicles in order to commence site construction at MTL2.

The Authority and MSI project team has met numerous times over the past several months to review and manage the project's Integrated Master Schedule (IMS). MSI has issued LA-RICS several notices of constructive delays associated with the impacts to the project's overall critical path schedule based on: remaining lease agreements, zoning approvals, power provision to sites, and agency cutovers that are now required ahead of System Acceptance. The latest version of the IMS projects the final system acceptance in December 2022; however, this schedule has not been contractually authorized through the Work Acceptance Certificate process and does not include additional funds due MSI for these delays. At this stage, LA-RICS' request to bring back the System Acceptance Date to March 2022 is not deemed feasible by Motorola, as we have repeatedly advised, without significant changes to the LMR System scope and testing activities. The teams are at an impasse since LA-RICS continues to reject the regularly provided IMS updates provided by Motorola. Furthermore, MSI is being prevented from executing the program without contractual commitments from LA-RICS regarding the issues provided in the notices of constructive change. MSI has requested this matter be escalated following the contractual dispute resolution process.

LMR System Design

System design activities for this period include Los Angeles Regional Tactical Communications System (LARTCS) design, narrowband mobile data network (NMDN) design, system management and

monitoring system (SMMS) design, fleet mapping, site optimization, and incorporation of early user cutovers into the LMR System engineering design activities.

LA-RICS is working with the agencies for LASD narrow banding and LA County Fire Channel 14 voice cutover to Channel 16. The monitoring of performance and interference trends using alternate directional antennas at CCT and FCCF locations by Motorola has been suspended, as there were no significant improvements. LA-RICS has requested additional testing with alternate receive antennas at CCT to see if the interference can be reduced. Motorola is researching custom UHF antennas designed to eliminate or “null” out digital television (DTV) interference. The next round of spectrum fingerprinting and noise floor measurements (SF-NFM) at 23 sites will commence in the upcoming period.

MSI has implemented RF and microwave dish color requirements arising out of the USFS Decision Memo and individual site SUPs to address aesthetic (visual impact) measures. A change order has been approved by the LA-RICS Change Control Board for similar site civil colors and finishes for Site PRG (e.g. shelter, towers, generators, fuel tank, and fencing). As planned for months, Lump Sum change orders for these requirements at the remaining USFS are being presented to LARICS for review and approval.

System Management and Monitoring System – The SMMS System Description has been reviewed and approved by LA-RICS. SMMS team members continue to work with LASD site representatives to determine which existing systems (e.g. generators, fire suppression, etc.), shared with LA-RICS, are to be monitored by SMMS.

Fleet Mapping – MSI continues to assist LA-RICS and agencies in fleet mapping development for LA-RICS. Motorola has reviewed the LA County Sheriff Department codeplug on behalf of LA-RICS. The LA County Fire Department codeplug is expected in the upcoming period and will be reviewed upon receipt from LA-RICS.

Juniper upgrade router and switch replacement is in progress with 100% of the staging efforts complete. Core and Prime sites Juniper/Aruba enablement completed with NICE loggers active on the upgraded routers and switches. Well over 50% of the equipment swaps have been completed including those as Sites APC, LDWP243, MVS, PHN and POM in this period.

UHF Channel 15/16 Interference – A list of all STA applications by site was provided to LA-RICS so that STAs could be prioritized with the FCC for constructed sites. Temporary T-band STAs are expected to be granted as a interim means to keep site commissioning and testing progressing. A permanent frequency resolution is yet to be addressed.

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

Authority’s efforts to develop and execute Site Access Agreements (SAA) for the remaining sites in the LMR design are ongoing. This activity is primarily being driven by the Authority’s Site Access Team in conjunction with LA County CEO Real Estate Division. As of this reporting period (55 out of 60) Site Access Agreements have been executed. Negotiations are ongoing for the three Santa Catalina Island site access agreements.

A public hearing was held on 9/23/2020 for three of seven Coastal site zoning application proposals on Santa Catalina Island, BJM, DPK, and TWR. There were no appeals. Five Coastal Development Packages are still outstanding, with applications all submitted and under review by LA County Department of Regional Planning. Appeals from members of the community were filed for sites LACF072 and SPN, resulting in additional public hearing to be scheduled in 2021. LA-RICS is waiting for final application comments or approvals, and subsequent scheduling of public hearings for the other sites. The separate zoning approval package for the RELAY (RF equipment at TOP) installations is under review by LA-RICS which is reconsidering power alternatives for the site that may impact the overall site layout. The zoning approvals for the three Catalina Island sites was revised by LA-RICS to 4Q2020.

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

Site Design Activities

Fifty-seven building permit applications have been made to date. Thirteen site design packages are currently in plans review, including BUR1 for the reinstatement of emergency backup system with utility power; and PMT site's solar power implementation. LACF072 plans have been approved by LA County DPW pending LA County Coastal zoning approval. LACF072 zoning approval has been delayed four to six months pending resolution of a community appeal of the site plans. LA-RICS is reviewing 100% Progress CDs for Site RELAY. Motorola is progressing to 75% Progress Level construction drawings for Site SPH following LA-RICS approval of the 50% Progress Level drawings. Site SPN 100% Progress Level drawings are still under review by LA-RICS, but this site is also impacted by a community appeal on the zoning application. The separate PMR solar design package is still in DPW plan check review. Site RELAY, incorporating the TOP RF equipment installations, requires a separate DRP zoning application and construction drawing package, both of which are still under development.

Motorola continues to work with LA-RICS to resolve a scoping/requirements issue associated with outdoor generator noise mitigation at two Santa Catalina Island sites (BJM and TWR). Due to site design changes introduced by the Authority at these sites the original noise level specifications no longer apply. Motorola has provided a change order request for LA-RICS review and approval that provides for a standby generator with customized noise attenuation housings from Cummins.

The road to the MTL2 site has sections of which were in need of repair. MSI and LA-RICS have agreed to additional road repair scope to allow access to the site by construction vehicles. A change order was approved for these repairs. But, with the recent wildfires in Angeles National Forest it appears that fire crews may have made sufficient repairs to the road to MTL2 to allow heavy construction vehicles to access this site. Motorola will assess the road condition and need for any additional repairs in an upcoming pre-construction visit to the site.

GRM Construction Drawings have been submitted to City of Los Angeles plan check, but the planner has subsequently indicated that this State Parks owned site is under LA County review jurisdiction. The permit package has been submitted to LA County while LA-RICS confirms jurisdiction oversight.

Universal (UNIV) Construction Drawings have been approved by City of Los Angeles Department of Building and Safety, pending receipt of zoning exemption documentation from LA-RICS. UNIV CityWalk drawing set is in DPW plan check review. Zoning exemption documentation has been confirmed by LA-RICS for the UNIV CityWalk site.

MSI has submitted additional revisions to the first of thirteen change orders associated with USFS site coloring requirements for Site PRG. This change order was reviewed and approved by LA-RICS Change Control Board. The PRG change order is Motorola's the template for submission of the remaining USFS color change requests, with three additional USFS site change orders submitted for costs associated with the USFS coloring requirements. MSI and LA-RICS continue to negotiate change orders associated with the MML, BUR1 and MIR sites. MSI has proactively and in good faith moved forward with the USFS color requirements, as well as BUR1, MIR and MML changes, with construction in process at MIR and the USFS sites expecting to be reimbursed in a timely manner.

Pre-Construction Activities

The construction team is preparing to start construction of the BUR1 and PMT (civil only) sites once the work suspensions are lifted in the Angeles National Forest. Work at other USFS sites that were temporarily halted by fire hazard conditions has resumed.

Construction Activities

During this reporting period, Phase 2 construction tasks continue. 30 of 60 (includes 2 UNIV locations, RELAY) sites are substantially complete less site power, with construction activities ongoing at 14 sites. To date, 27 of 44 new towers have been erected, including the recent monopole erection at Site TOP. 35 of 57 shelters or equipment rooms are complete, including the recent TOP outdoor cabinet installation. MSI has been working with LA-RICS since October of 2019 to obtain Phase 2 construction completion acceptance, as Phase 2 civil site work is completed. The close out package for Site LAN was recently approved by LA-RICS.

The site construction at UCLA is substantially complete under UASI 2017 grants with power to the site provided by UCLA. LA-RICS is coordinating with UCLA to energize the power breaker. LA-RICS also continues to address easements needed by the electrical utility to bring commercial power to numerous sites. The lack of these utility easements is delaying completion of Phase 2 construction completion at several sites including INDWT.

MMRP funds augmentation is needed to cover the remaining Phase 2 and Phase 4 days that require environmental monitoring. Motorola provided a notice to LA-RICS that not to exceed costs limit is approaching for the monitoring work, and that it does not intend to continue to provide this monitoring going forward once the funds are expended.

Equipment Supply

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

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



System Implementation

MSI contractors continue to install RF and microwave antennas and lines at sites, install and configure low-voltage site alarms, and configure RF equipment. Initial Phase 4a internal site audits and checks were completed. MSI System Technologists (ST's) are performing site pre-optimizations following the completion of Phase 4a work. MSI has brought ST's on to the project to begin pre-optimization work ahead of our normal sequence of work to compensate for the delays in schedule resulting from zoning, site power and cutovers.

Upgrades from GGM to Juniper routers are in progress. These upgrades are expected to be complete by the end of 4Q2020.

As of this report, there are nineteen (19) active microwave backhaul links.

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

Category	Rating	Change	Comments
Schedule			The August 2019 baseline schedule shows LMR System Acceptance on 3/28/2022. MSI's current forecast for LMR System Acceptance is in 4Q2022 timeframe driven by: LA-RICS change in narrow banding logic, interference mitigation, remaining leases, Coastal CDP approvals, site power delays and agency cutovers. The largest impact to the critical path since the September Report was CDP Zoning approval for LACF072.
Risk			Risk items have been identified regarding: zoning approval process, Site Access Agreements, plan check approval process, spectrum, narrow banding, Channels 15 and 16 interference, site power, and site conditions. FEMA independent site environmental approvals required.

2. Project Status

2.1. Tasks in Progress or Completed

See IMS Look Ahead File, data date 10/13/2020

2.2. Tasks Planned for Next Period

See IMS Look Ahead File, data date 10/13/2020

3. Project Risk Register

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

4. Areas of Concern

This section describes any events and or circumstances of which the Contractor is aware that has delayed or may delay project activities and what corrective or remedial actions was taken or will be

taken to resolve the issue. Outstanding Issues Log (the “OIL Log”) entries are also tabulated and monitored in this section. “OIL Log” items include, for example, sequencing, infrastructure, site access, coordination issues, congestion of workers and equipment, time requirements for design, procurement, and installation.

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

5. Disputes and Claims

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

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

6. Financial Status

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

Invoice Payment Category	Invoice Payment Totals (\$)
Contract Sum Full Payable Amount (Phases 1-4)	157,965,133
Cumulative Invoice Payments from Last Report	103,811,128
Total Invoice Payments This Period	221,474
Remaining Amount to be Paid	\$53,932,531

7. LA-RICS Master Schedule

On June 18, 2020, Motorola issued LA-RICS a supplemental notice of constructive change under the Contract based on the failure of the Authority to deliver the required approvals for zoning and/or SAA from Coastal and Forestry agencies, the failure to provide a commitment regarding providing site power, and the failure to provide commitments regarding system cutover. MSI estimates the approved Contract schedule final system acceptance date will now be delayed until at least December 2022. The most recent weekly master schedule update has a data date of 10/13/2020. See attached LMR Executive Project Summary Snapshots.



**LOS ANGELES REGIONAL INTEROPERABLE
COMMUNICATIONS SYSTEM AUTHORITY**

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SCOTT EDSON
EXECUTIVE DIRECTOR

November 18, 2020

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

A handwritten signature in blue ink, appearing to read 'Scott Edson', is placed next to the printed name and title.

PSBN ROUND 2 IMPLEMENTATION AND CONSTRUCTION UPDATE

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

CO:TP:pdd

Attachment

AGENDA ITEM F

LA-RICS PSBN SITE DEPLOYMENT

Week of 11/09/2020

Site	Site ID	Type	GC	Power	City Planning	MISC Permit HDP /CP	Building Permit Rec'd	SAA Exec	Site Construction Start	Tower Delivered	Tower Construction Complete	Lines & Antennas Complete	Equipment Installation Complete	Site Construction Finish	Close Out	Comments
21	MML2	Colo	MSI	Complete	NA	NA	5/21/2020	Complete	7/31/2020	NA	10/23/2020	10/30/2020	11/6/2020	11/27/2020	12/18/2020	MSI to provide updated CX Schedule.
22	MNTBLPD	Pole	Diversified	Complete	NA	NA	9/11/2020	Complete	9/28/2020	8/21/2020	10/16/2020	11/20/2020	11/23/2020	11/30/2020	12/21/2020	In lieu of awaiting confirmation from Glendale Communication if existing UHF antenna is live, the team identified a successful work around to ensure tower construction moved forward. Caisson poured last week, SCE Inspection Passed, Backfill and Pad excavation to start week of 10/26/2020, continued into 11/9/2020.
23	POLA1	Best	Jitney	Complete	7/30/2020	CP = Approved HEP = Approved	7/31/2020	Complete	8/10/2020	8/29/2020	8/29/2020	11/23/2020	10/6/2020	12/1/2020	12/22/2020	LADWP has confirmed receipt of payment and signed invoice. Daniel Holman Estimated Power Installation May 2021
24	POLA2	Best	Jitney	Fenix	7/30/2020	CP = Approved HEP = Approved	7/31/2020	Complete	8/10/2020	8/29/2020	8/29/2020	10/6/2020	10/6/2020	11/20/2020	12/11/2020	Fenix approved design. Working on scheduling. Work to be conducted Friday evenings & weekend early morning due to increased traffic of goods in and out of the port.
25	POLB1	Pole	Motive	Submeter - Design	8/20/2020	Complete	9/18/2020	Pending - See Comments	11/23/2020	NA	12/28/2020	1/4/2021	1/11/2021	1/18/2021	2/8/2021	LA-RICS assisting with outreach regarding \$10k monthly rent figure. CX awaiting AT&T Lease negotiation and approval to move forward.
26	POM2	Roof	Motive	Complete	NA	NA	11/16/2020	Pending - See Comments	11/17/2020	NA	12/22/2020	12/29/2020	1/5/2021	1/12/2021	2/2/2021	FACS currently confirming cost for options.

Legend	
	Completed
	Forecasted - Schedule
	Delayed Timeline

Tower Type	Qty
Colo	1
Pole	4
Roof	1



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SCOTT EDSON
EXECUTIVE DIRECTOR

November 18, 2020

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

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

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

CO:pdd

AGENDA ITEM G



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SCOTT EDSON
EXECUTIVE DIRECTOR

November 18, 2020

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

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

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

The two (2) sites subject to the Santa Monica Mountains Local Implementation Plan (LIP), LA County Fire Department 72 (LACoFD072) and Saddle Peak (SPN), were approved by the Regional Planning Commission (RPC) at its meeting of September 16, 2020. Non-applicant appeals were received by the Board of Supervisor's (BOS) Executive Office on the appeal period end date of September 29, 2020. Board of Supervisors public hearing is scheduled for November 24, 2020. Requirements to post notices at these two sites were completed on October 22, 2020.

The three (3) sites subject to the Santa Catalina Island LIP, Black Jack Mountain (BJM), Dakin Peak (DPK) and Tower Peak (TWR) were approved by the RPC at its meeting of September 23, 2020. Upon clearing the initial appeal period, appealable to BOS Executive Office, the projects were then subject to a secondary appeal period, appealable to the California Coastal Commission. Both appeal periods ended and no appeals were received. Staff are now coordinating final paperwork with DRP and expect issuance of Coastal Development Permits in late November.

TR:pdd



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SCOTT EDSON
EXECUTIVE DIRECTOR

November 18, 2020

To: LA-RICS Authority Board of Directors

From: Scott Edson
Executive Director

OUTREACH UPDATE

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

Municipality	Meeting Date
<i>Meetings with representatives from AT&T</i>	September 30; October 7, 14, 21 and 28, 2020
<i>IACP Communication & Technology Committee Members Virtual Annual Conference</i>	October 19, 2020
<i>NSA Government Affairs Committee Monthly Meeting</i>	October 22, 2020

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

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

Executive Director Edson attended the National Sheriffs' Association (NSA) Government Affairs Committee Meeting virtually.

Lastly, the next edition of the LA-RICS newsletter is scheduled to be released in December.

WST:pdd

AGENDA ITEM I



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SCOTT EDSON
EXECUTIVE DIRECTOR

November 18, 2020

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

Dear Directors:

2021 SCHEDULE OF LA-RICS BOARD MEETINGS

SUBJECT

Board approval is requested for the 2021 Schedule of LA-RICS Board Regular Meetings. Due to COVID-19 and the Governor's current Executive Order, the meetings will be held via Microsoft Teams meeting until further notice.

RECOMMENDED ACTIONS

It is recommended that your Board:

1. Approve the following dates for the calendar year 2021 Board Regular Meeting Schedule:

January 7
February 4
March 4
April 1
May 6
June 3
July 8 (due to 4th of July Holiday)
August 5
September 2
October 7
November 4
December 2

All Regular Meetings will be held at 9:00 a.m. Pacific Time via Microsoft Teams until further notice.

AGENDA ITEM J

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The approval of the recommended action will set the date, time, and location for each Regular Meeting of this Board for calendar year 2021.

Respectfully submitted,



SCOTT EDSON
EXECUTIVE DIRECTOR

WST:pdd

cc: Counsel to the Authority



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SCOTT EDSON
EXECUTIVE DIRECTOR

November 18, 2020

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

Dear Directors:

APPROVE AMENDMENT NO. 50 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM LAND MOBILE RADIO SYSTEM

SUBJECT

Board approval is requested to authorize the Executive Director to execute Amendment No. 50 to Agreement No. LA-RICS 007 (Agreement) to contemplate the replacement of one (1) LMR System Site Sunset Ridge (SUN) with East Sunset Ridge (ESR), extend the bridge warranty for certain equipment, and the incorporation of certain Change Order Modifications as further described in this Board Letter resulting in an increase to the Maximum Contract Sum in the amount of amount of \$2,062,270.

RECOMMENDED ACTIONS

It is recommended that your Board:

1. Make the following findings with respect to the inclusion of one (1) LMR System Site and LMR Change Order Modifications:
 - a. Find that (a) approval of Amendment No. 50 to contemplate certain Change Order Modifications at one (1) LMR System site, Agoura Hills (AGH), related to the relocation of Narrowband Mobile Data Network (NMDN) equipment is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified by the Board under the California Environmental Quality Act (CEQA) on March 29, 2016; and (b) that there are

AGENDA ITEM K

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 substantial increase in the severity of previously identified significant effects.

- b. Find that (a) approval of Amendment No. 50 to contemplate certain Change Order Modifications at two (2) LMR System sites, Black Jack Peak (BJM) and Tower Peak (TWR), related to the generator noise mitigation engineering assessment services work is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified by the Board under the California Environmental Quality Act (CEQA) on March 29, 2016; and (b) that there are no changes to the project at these sites or to the circumstances under which the project is undertaken that require revisions to the previous EIR due to new significant effects or substantial increase in the severity of previously identified significant effects.
- c. Find that (a) approval of Amendment No. 50 to contemplate certain Change Order Modifications at one (1) LMR System site, Magic Mountain Link (MML), related to the removal of buried boulders, concrete, and rebar is within the scope of the Final Environmental Impact Report (EIR) for the Los Angeles Regional Interoperable Communications System (LA-RICS) LMR System, which was previously certified by the Board under the California Environmental Quality Act (CEQA) on March 29, 2016; and (b) that 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 substantial increase in the severity of previously identified significant effects.
- d. Find that (a) approval of Amendment No. 50 to contemplate certain Change Order Modifications at one (1) LMR System site, Portal Ridge (PRG) related to powder coating work, is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at this one (1) site, which your Board previously found statutorily exempt from review under CEQA on February 5, 2015 pursuant to Public Resources Code Section 21080.25, the exemption adopted specifically for the LA-RICS project, and any leased circuit work that may occur outside of Site PRG, if needed to provide network connectivity to the LMR System, categorically exempt under CEQA pursuant to Guidelines section 15301 (existing facilities), 15303 (new construction or conversion of small structures), and 15304 (minor alterations to land).

- e. Find that (a) approval of Amendment No. 50 to contemplate reconciliation of one (1) LMR System site East Sunset Ridge (ESR) into the LMR System, are within the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), Phase 4 (LMR System Implementation), and exercising of the Unilateral Options to align with the current LMR System Design is within the scope of the design, construction, implementation, operation and maintenance activities for the LMR System previously authorized at this site, which your Board previously found categorically exempt from review under CEQA on July 11, 2019, pursuant to 14 Cal. Regs. ("CEQA Guidelines") §§ 15303 and 15304 as well as additionally pursuant to 14 Cal. Regs §§ 15301 for the reasons stated in this Board Letter and as noted in the record of the project.
2. Approve Amendment No. 50 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to reflect the following:
 - a. Reconciliation to replace one (1) LMR System Site Sunset Ridge (SUN) with the East Sunset Ridge (ESR) site as it relates to Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) for a net cost increase in the amount of \$1,293,256.
 - b. Extend the LMR bridge warranty until December 31, 2021, for certain Early Deployment/Specified Equipment bridging the warranty gap for this equipment until December 31, 2021, for a cost increase in the amount of \$393,906.
 - c. Incorporate certain LMR Change Order Modifications as further described in this board letter for a total cost increase in the amount of \$375,108.
3. Authorize an increase to the Maximum Contract Sum in the amount of \$2,062,270, when taking the recommended actions into consideration from \$288,518,090 to \$290,580,360.
4. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 50.
5. Delegate authority to the Executive Director to execute Amendment No. 50, in substantially similar form, to the enclosed Amendment (Enclosure).

BACKGROUND

Site Reconciliation

The Authority continues to work closely with Motorola on the reconciliation of sites to align with the LMR System redesign. As this is an iterative process, the ongoing design work has resulted in the need to reconcile certain Work, equipment, subsystems, and corresponding costs for certain LMR System Sites to reflect the updated design. Part of the recommended actions contemplate replacing the SUN site with the ESR site because there is better targeted system coverage overall from the ESR site.

Bridge Warranty

On June 4, 2015, your Board approved Amendment No. 12 to the Agreement to include a bridge warranty for Early Deployment/Specified Equipment (Core 1, Core 2, repeater sites, Site on Wheels, and Station B Equipment) purchased under previously approved Amendments to bridge the gap in warranty for this equipment. This equipment was put in use earlier than anticipated due to the need for early beneficial use by our member agencies prior to final system acceptance.

Change Order Modifications

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

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTIONS

Approval of the recommended actions will authorize the Executive Director to execute Amendment No. 50 to replace one (1) LMR System Site, to extend bridge warranty for certain equipment, and incorporate certain Change Order Modifications, all actions resulting in an increase to the Maximum Contract Sum in the amount of \$2,062,270.

Site Reconciliation

As a result of redesign efforts to date, it is necessary to reconcile the Work to align with the current LMR System Design. Such reconciliations made it necessary to replace the SUN site with the ESR site, which will improve targeted system coverage. An additional benefit of using the ESR site is that it doesn't require a Special Use Permit from the USFS. Additionally, reconciling the Agreement to reflect ESR into the scope of Phase 2, Phase

3, and Phase 4 activities will authorize the Authority to proceed with construction, implementation, operation, and maintenance of LMR infrastructure at the site.

Bridge Warranty

In accordance with your Board's approval on July 26, 2018, to extend the existing bridge warranty for certain Early Deployment/Specified Equipment to bridge the gap and ensure that the equipment is maintained during the buildout of the LMR System, it is necessary to request further extension of the bridge warranty until December 31, 2021.

Some of the LMR System Sites/Equipment will become permanent, operational, or demonstrate functionality/beneficial use prior to December 31, 2021. Further, the Early Deployment/Specified Equipment at these sites may be relocated and/or will be replaced by permanent site equipment. With respect to these permanent LMR System Sites, the LMR System Warranty shall take effect and replace the bridge warranty. This extension contemplates sites requiring bridge through December 31, 2021. If there are LMR System Sites that still utilize the Early Deployment equipment after December 31, 2021, the Authority staff will return to your Board to request an additional extension of the bridge warranty for the remaining equipment.

Change Order Modifications

It is necessary to incorporate a Change Order to relocate certain NMDN equipment planned for LMR System Site (PRG) to LMR System Site (AGH). It is also necessary to incorporate a Change Order related to the mitigation of certain generator noise at two (2) LMR System Sites (BJM and TWR). Further, contemplated in Amendment No. 50 is a Change Order to remove buried boulders, concrete, and rebar at LMR System Site (MML). These activities were not previously contemplated in the Agreement and therefore it is necessary to approve these Change Orders.

Lastly, Amendment No. 50 contemplates a Change Order to provide implementation of powder coating work at the PRG site in order to comply with the U.S. Forest Service Decision Memo VIAMM-3 to treat the tower and any non-metal components with a finish and color palette to closely match the surrounding dominant earth tones.

The revisions contemplated in Amendment No. 50 have been reviewed by Authority staff, as well as its consultant (Jacobs) and Motorola, with both parties negotiating and agreeing to each change order, including associated costs.

Further, all recommended actions have been presented to the Change Control Board (CCB) which includes stakeholder participation and oversight from member agency representatives such as County of Los Angeles Sheriff's Department (Sheriff's Department) and County of Los Angeles Fire Department (Fire Department). Additionally,

participation and oversight from Authority project team members representing technical (Internal Services Department), operations (Sheriff's Department and Fire Department), finance, grants, contracts, Jacobs, and Subject Matter Experts (brought in on an as-needed basis depending on the nature of the proposed revision) form part of the CCB.

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

FISCAL IMPACT/FINANCING

The activities contemplated in Amendment No. 50 will result in an increase to the Maximum Contract Sum by \$2,062,270 from \$288,518,090 to \$290,580,360 when taking the recommended actions into consideration. All work contemplated in Amendment No. 50 shall be fully reimbursed by the Urban Areas Security Initiative (UASI) grant.

ENVIRONMENTAL DOCUMENTATION

The environmental impacts of the project at four (4) LMR System Sites (AGH, BJM, MML and TWR) contemplated in Amendment No. 50 were evaluated in the EIR prepared by the LA-RICS Authority for the LMR System. On March 29, 2016, your Board certified the Final EIR for the LMR System in compliance with CEQA, made findings with respect to the environmental impacts of the project, and adopted the Mitigation Monitoring Program (MMP) as a condition of approval for the project. The currently recommended actions related to these four (4) LMR System Sites are within the scope of the impacts analyzed in the previously certified Final EIR and the Board's previous environmental findings, and adoption of the MMP are applicable to the current recommendations. There have been no changes to the impacts analyzed or to the circumstances under which the project is undertaken for these four (4) LMR System Sites that would require revisions to the previous EIR due to new significant effects or a substantial increase in the severity of previously identified significant effects pursuant to Public Resources Code section 21166 or CEQA Guidelines sections 15162 and 15163. The previously adopted MMP will continue to apply.

As the CEQA lead agency, the Authority previously determined on February 5, 2015, that design, construction, implementation, operation, and maintenance of LMR System infrastructure at one (1) LMR System Site (PRG) is exempt from review under CEQA pursuant to Public Resources Code Section 21080.25, the statutory CEQA exemption adopted specifically for the LA-RICS, which exempts these activities as long as they meet certain criteria set forth in the exemption. In connection with this approval, the Authority also determined on February 5, 2015 that leased circuit work that may occur outside of this one (1) LMR System Site as needed to provide connectivity to the LMR System is categorically exempt under CEQA pursuant to CEQA Guidelines section 15301 (existing facilities), 15303 (new construction or conversion of small structures), and 15304 (minor

alterations to land). The currently recommended actions related to this one (1) LMR System Site is within the scope of the previously authorized activities, and the determination that these activities are exempt from CEQA remains unchanged. This determination is supported by substantial evidence in the custody of the Authority, which is incorporated in relevant part into the record of proceedings for this Amendment No. 50.

As the CEQA lead agency, the Authority previously determined on July 11, 2019, and August 6, 2020, that design, construction, implementation, operation, and maintenance of the LMR System infrastructure at one (1) LMR System Site (ESR) is exempt from review under CEQA pursuant to 14 Cal. Code Regs §§ 15301, 15303 and 15304. This determination was based on a detailed analysis of the site, available in the Authority's files, which demonstrates that the communications equipment improvements proposed at this site consist of (1) the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographic features, involving negligible or no expansion of existing or former use (Guidelines § 15301); (2) construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and/or the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure (Guidelines § 15303); and (3) minor alterations in the condition of land, water, and/or vegetation which do not involve removal of healthy, mature, scenic trees (Guidelines § 15304). The analysis also demonstrated that none of the activities proposed at these sites trigger any applicable exception to the identified categorical exemption(s). (Guidelines § 15300.2.)

Specifically, at Site ESR, the LMR project would not impact any environmental resources of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies. Further, there are no cumulative impacts of successive projects of the same type in the same place, over time that would be significant; there is no reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances; the project at the site would not result in damage to scenic resources within a highway officially designated as a state scenic highway; the site is not included on any list compiled pursuant to Section 65962.5 of the Government Code; and the project at the site would not cause a substantial adverse change in the significance of a historical resource.

Approval of Amendment No. 50 to include Phase 2, 3 and 4 activities for Site ESR to align with current design for the LMR System is within the scope of the previously authorized activities, and the determination that these activities are exempt from CEQA remains unchanged. This determination is supported by substantial evidence in the custody of the Authority, which is incorporated in relevant part into the record of proceedings for the approval and execution of Amendment No. 50.

Upon the Board's approval of the recommended actions for this Amendment No. 50, the Authority will file a Notice of Determination (NOD) for the four (4) LMR System Sites (AGH, BJM, MML and TWR) with the County Clerk in accordance with Section 21152(a) of the California Public Resources Code and Section 15094 of the State CEQA Guidelines, and will file a Notice of Exemption (NOE) for the two (2) LMR System Sites (PRG and ESR) with the County Clerk in accordance with Section 15062 of the State CEQA Guidelines.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

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

CONCLUSION

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

Respectfully submitted,



SCOTT EDSON
EXECUTIVE DIRECTOR

JA

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Enclosure

cc: Counsel to the Authority

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

RECITALS

This Amendment Number Fifty (together with all exhibits, attachments, and schedules hereto, "Amendment No. 50") is entered into by and between the Los Angeles Regional Interoperable Communications System Authority ("Authority") and Motorola Solutions, Inc. ("Contractor"), effective as of November ____ 2020, based on the following recitals:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This Amendment No. 50 is authorized under Section 2 (Changes to Agreement) of the Agreement.

NOW THEREFORE, in consideration of the foregoing recitals, all of which are incorporated as part of this Amendment No. 50, and for other valuable consideration, the receipt and sufficiency of which are acknowledged, Authority and Contractor hereby agree as follows:

1. Capitalized Terms; Section References. Capitalized terms used herein without definition (including in the recitals hereto), have the meanings given to such terms in the Base Document. Unless otherwise noted, section references in this Amendment No. 50 refer to sections of the Base Document, as amended by this Amendment No. 50.
2. LMR System Site Reconciliation. The parties agree and acknowledge to reconcile one (1) LMR System Site Sunset Ridge (SUN) that will no longer be considered for inclusion in the LMR System and will be removed from the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), respectively. No further Work will occur at this site and this site is removed from the relevant portions of Exhibit C (Schedule of Payments) in the amount of \$1,233,272.

RECONCILIATION OF LMR SYSTEM SITE – AMENDMENT 50			
Item No.	Site ID	Site Description	Reconciliation
2.1	SUN	Sunset Ridge	Remove from Phases 2 through 4

3. LMR System Site Reconciliation. The parties agree and acknowledge to include one (1) LMR System Site East Sunset Ridge (ESR) into the scope of Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) to align with the updated LMR System Design. The costs associated with the inclusion of this one (1) LMR System Site is included in the relevant portions of Exhibit C (Schedule of Payments) in the amount of \$2,526,528. Additionally, pursuant to Section 7.5 of this Amendment No. 50, the detailed costs associated with the inclusion of these sites are contained in Exhibit C.13.1 (LMR System Detailed Cost Summary).

RECONCILIATION OF LMR SYSTEM SITE – AMENDMENT NO. 50			
Item No.	Site ID	Site Description	Site Description
3.1	ESR	East Sunset Ridge	Include in Phases 2 through 4

4. Exercise of Unilateral Options. As provided in Section 4.1.2.2(c) of the Base Document, the Authority has determined in its sole and unilateral discretion to exercise the Unilateral Options for all Work pertaining to Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation), for one (1) LMR System Site ESR contemplated in this Amendment No. 50, which also takes Exhibit C (Schedule of Payments) into consideration. Subject to Section 4.1.2.3 (Notices to Proceed) of the Base Document, the Contractor agrees that it shall, on a timely basis and in accordance with the Agreement, fully perform, provide, complete, and deliver all Work encompassed in such Unilateral Options for Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR

System Implementation), for one (1) LMR System Site ESR contemplated in this Amendment No. 50, which also takes Exhibit C (Schedule of Payments) into consideration, in exchange for the amounts set forth in Exhibit C (Schedule of Payments) for such Work.

5. LMR Change Order Modifications. The parties agree and acknowledge that Contractor will perform the Work contemplated in COR Nos. MSI-6076, MSI-6077, MSI-009, MSI-6086, and MSI-6079 set forth in Exhibit C.17 (LMR Change Order Modifications) pursuant to this Section 5, in exchange for the amounts set forth in Exhibit C.17 (LMR Change Order Modifications) to Exhibit C (Schedule of Payments). Additionally, the parties agree and acknowledge the removal of work related to the reprogramming of 700 MHz DTVRS stations at Station B contemplated in COR No. MSI-008.

Item No.	Site ID	Site Name	COR No.	Description	Amount
1.	PRG/AGH	Portal Ridge /Agoura Hills	MSI-6076	PRG Relocation to AGH for NMDN System	\$13,678
2.	PRG	Portal Ridge	MSI-6077	VIAMM Implementation	\$38,615
3.	BJM/TWR	Black Jack Peak/ Tower Peak	MSI-6086	BJM & TWR Generator Noise Mitigation Engineering Assessment Services	\$221,211
4.	MML	Magic Mountain Link	MSI-6079	MML Buried Concrete and Rebar Removal	\$101,604
TOTAL AMOUNT:					\$375,108

6. Amendments to the Base Document.

- 6.1 Section 8.1 (Maximum Contract Sum and Contract Sum – General), in particular Section 8.1.1 of the Base Document, is deleted in its entirety and replaced with the following:

8.1.1 The "Maximum Contract Sum" under this Agreement is Two Hundred Ninety Million, Five Hundred Eighty Thousand, Three Hundred Sixty Dollars (\$290,580,360) which includes the Contract Sum and all Unilateral Option Sums, as set forth in Exhibit C (Schedule of Payments).

- 6.2 Section 24.4 (Limitation of Liability), in particular Section 24.4.1 of the Base Document, is deleted in its entirety and replaced with the following:

24.4.1 Except for liability resulting from personal injury, harm to tangible property, or wrongful death, Contractor's total liability to the Authority, whether for breach of contract, warranty, negligence, or strict liability in tort, will be limited in the aggregate to direct damages no greater than Two Hundred Eighty-Three Million, Seven Hundred Fifty-Two Thousand, Eight Hundred Ten Dollars (\$283,752,810). Notwithstanding the foregoing, Contractor shall

not be liable to the Authority for any special, incidental, indirect, or consequential damages.

7. Amendments to Agreement Exhibits.

- 7.1 Exhibit C.1 (LMR System Payment Summary) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.1 (LMR System Payment Summary), which is attached to this Amendment No. 50 and incorporated herein by this reference.
- 7.2 Exhibit C.2 (Phase 1 – System Design) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.2 (Phase 1 – System Design), which is attached to this Amendment No. 50 and incorporated herein by this reference.
- 7.3 Exhibit C.3 (Phase 2 – Site Construction and Site Modification) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.3 (Phase 2 – Site Construction and Site Modification), which is attached to this Amendment No. 50 and incorporated herein by this reference.
- 7.4 Exhibit C.4 (Phase 3 – Supply LMR System Components) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.4 (Phase 3 – Supply LMR System Components), which is attached to this Amendment No. 50 and incorporated herein by this reference.
- 7.5 Exhibit C.13.1 (LMR System Detailed Cost Summary), dated May 2020, is deleted in its entirety and replaced with Exhibit C.13.1 (LMR System Detailed Cost Summary), dated October 2020, and shall be added to Exhibit C.13 (Contractor's Response to Appendix H (Pricing Requirements) to RFP No. LA-RICS 007) to Exhibit C (Schedule of Payments), which is incorporated herein by this reference.
- 7.6 Exhibit C.17 (LMR Change Order Modifications) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.17 (LMR Change Order Modifications), attached to this Amendment No. 50, which is incorporated herein by this reference.
- 7.7 Exhibit C.20 (LMR Bridge Warranty) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.20 (LMR Bridge Warranty), attached to this Amendment No. 50, which is incorporated herein by this reference.
- 7.8 Exhibit D (LMR System Maintenance and Warranty), Section 9 (Bridge Warranty for Specified Equipment), is deleted in its entirety and replaced with the following:

9. Bridge Warranty for Specified Equipment

With respect to Specified Equipment (Core 1, Core 2, repeater sites, Site on Wheels, and Station B Equipment) pursuant to Amendment No. 12, Amendment No. 34, Amendment No. 42, and Amendment No. 50, Contractor will provide a built-in warranty that will meet the minimum requirements set forth in Exhibit D.2 (Statement of Work) or the most current version of the SOW, as determined by the Authority. This warranty period shall be renewed and shall commence on January 1, 2021 and continue until December 31, 2021, as set forth in Exhibit D.2.1 (Motorola Customer Support Plan). The Specified Equipment, including the equipment listed in this Section 9, Exhibit D.2.1 (Motorola Customer Support Plan), and Exhibit D.2.2 (Equipment Lists for FCCF and PLM) will be covered by the Warranty provisions of the Agreement, including this Exhibit D (LMR System Maintenance and Warranty). Contractor will perform service requests during the bridge warranty period as requested by the Authority, unless otherwise directed by the Authority. The price for this bridge warranty is set forth in Exhibit C.20 (LMR Bridge Warranty).

8. This Amendment No. 50 shall become effective as of the date identified in the recitals, which is the date upon which:
 - 8.1 An authorized agent of Contractor has executed this Amendment No. 50;
 - 8.2 Los Angeles County Counsel has approved this Amendment No. 50 as to form;
 - 8.3 The Board of Directors of the Authority has authorized the Executive Director of the Authority, if required, to execute this Amendment No. 50; and
 - 8.4 The Executive Director of the Authority has executed this Amendment No. 50.
9. Except as expressly provided in this Amendment No. 50, all other terms and conditions of the Agreement shall remain the same and in full force and effect.
10. Contractor and the person executing this Amendment No. 50 on behalf of Contractor represent and warrant that the person executing this Amendment No. 50 for Contractor is an authorized agent who has actual authority to bind Contractor to each and every term and condition of this Amendment No. 50, and that all requirements of Contractor to provide such actual authority have been fulfilled.
11. This Amendment No. 50 may be executed in one or more original or facsimile counterparts, all of which when taken together shall constitute one in the same instrument.

* * *

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

IN WITNESS WHEREOF, the parties hereto have caused this Amendment No. 50 to be executed on their behalf by their duly authorized representatives, effective as of the date first set forth above.

LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY

MOTOROLA SOLUTIONS, INC.

By: _____

Scott Edson
Executive Director

By: _____

Arturs A. Vanags
Motorola Project Director

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

RODRIGO A. CASTRO-SILVA
Acting County Counsel

By: _____

Truc L. Moore
Principal Deputy County Counsel

EXHIBIT C.1 - SCHEDULE OF PAYMENTS LMR SYSTEM PAYMENT SUMMARY				
Summary	Unilateral Option Sum	Contract Sum - Full Payable Amount	10% Holdback Amount	Payment Minus 10% Holdback Amount
Phase 1 ^(Note 1)	\$ -	\$ 42,322,029	\$ 3,124,069	\$ 39,197,960
Phase 2	\$ -	\$ 44,409,295	\$ 4,331,539	\$ 40,077,755
Phase 3	\$ -	\$ 58,058,793	\$ 4,402,282	\$ 53,656,511
Phase 4	\$ -	\$ 21,509,642	\$ 2,087,592	\$ 19,422,050
SUBTOTAL (Phases 1 to 4):	\$ -	\$ 166,299,759	\$ 13,945,483	\$ 152,354,276
Phase 5 (15 Years)	\$ 55,898,518	\$ -	\$ -	\$ 55,898,518
TOTAL (Phases 1 to 5):	\$ 55,898,518	\$ 166,299,759	\$ 13,945,483	\$ 208,252,794
Bounded Area Coverage Additive Alternate ^(Note 1)	\$ 19,109,375	\$ -	\$ 1,910,937	\$ 17,198,437
Mandatory Building Coverage Additive Alternate	\$ 29,828,448	\$ -	\$ 2,982,845	\$ 26,845,603
Metrorail Coverage Additive Alternate	\$ 4,792,260	\$ -	\$ 479,226	\$ 4,313,034
LMR System Maintenance for Additive Alternates	\$ 19,620,355	\$ -	\$ 1,962,036	\$ 17,658,320
Source Code Software Escrow	\$ 1,304,000	\$ -	\$ 130,400	\$ 1,173,600
LMR Mitigation Monitoring and Reporting Plan		\$ 2,912,356	\$ -	\$ 2,912,356
LMR Change Order Modifications		\$ 2,661,901	\$ 266,190	\$ 2,395,711
Multiprotocol Label Switching Mobile Backhaul		\$ 2,200,000	\$ 220,000	\$ 1,980,000
Channel 15 and Channel 16 Interference Mitigation		\$ 803,207		\$ 803,207
LMR Bridge Warranty		\$ 1,785,136		\$ 1,785,136
SUBTOTAL	\$ 130,552,956	\$ 176,662,359	\$ 21,897,117	\$ 285,318,198
TOTAL CONTRACT SUM:	\$176,662,359			
LMR Discounts^(Note 2)	-\$16,634,955			
MAXIMUM CONTRACT SUM(Total Unilateral Option Sum plus Total Contract Sum):	\$290,580,360			

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

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

EXHIBIT C.3 - SCHEDULE OF PAYMENTS
PHASE 2 - SITE CONSTRUCTION AND SITE MODIFICATION

Deliverable/ Task/ Section No. <small>(Exhibit A, Exhibit B, or Base Document)</small>	Site ID	Deliverable <small>(Refer to Site Development Matrix in Exhibit B for further details on the capacity and sizes of site components)</small>	Phase 2 Total					
			Qty.	Unilateral Option Sum Incuding Project Management	Credits <small>(Note 1)</small>	Contract Sum - Payable Amount for Phase 2 <small>(Note 1,2,3,4,5)</small>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.2.2		Site Construction						
B.2.2	BAH	Baldwin Hills		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	BJM	Black Jack Peak		\$ -	\$ -	\$ 1,087,923	\$ 108,792	\$ 979,131
B.2.2	BMT	Bald Mountain		\$ -	\$ -	\$ 453,781	\$ 45,378	\$ 408,403
B.2.2	BRK	Blue Rock		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	BUR	Burnt Peak		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	BVG	Beverly Glen		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	CCB	Compton Court Building		\$ -	\$ -	\$ 451,517	\$ 45,152	\$ 406,365
B.2.2	CEP	Century Plaza		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	CLM	Claremont		\$ -	\$ -	\$ 7,780	\$ 778	\$ 7,002
B.2.2	CPK	Castro Peak		\$ -	\$ -	\$ 641,071	\$ 64,107	\$ 576,964
B.2.2	DPK	Dakin Peak		\$ -	\$ -	\$ 1,036,474	\$ 103,647	\$ 932,826
B.2.2	ELSGDPD	El Segundo PD		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	ENC1	Encinal Fire Camp		\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.2.2	GRM	Green Mountain		\$ -	\$ -	\$ 625,114	\$ 62,511	\$ 562,603
B.2.2	HPK	Hauser Peak		\$ -	\$ -	\$ 599,484	\$ 59,948	\$ 539,536
B.2.2	JPk	Johnstone Peak		\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.2.2	LACF028	FS 28		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF056	FS 56		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF071	FS 71		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF072	FS 72		\$ -	\$ -	\$ 524,184	\$ 52,418	\$ 471,766
B.2.2	LACF077	FS 77		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF084	LACF84		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF091	FS 91		\$ -	\$ -	\$ 358,453	\$ 35,845	\$ 322,608
B.2.2	LACF099	FS99		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF119	FS 119		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF144	FS 144		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF149	FS 149		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF157	FS 157		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF196	FS 169		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACFCP09	LACFCP09		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACFDEL	Los Angeles County Fire Departmental Del Valle Training Camp		\$ -	\$ -	\$ 536,490	\$ 53,649	\$ 482,841
B.2.2	LAH	LA City Hall		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LBR	Lower Blue Ridge		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LDWP243	DWP Sylmar Water Ladder		\$ -	\$ -	\$ 213,691	\$ 21,369	\$ 192,322
B.2.2	MAM	Magie Mountain		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	MDI	Mount Disappointment		\$ -	\$ -	\$ 770,946	\$ 77,095	\$ 693,851
B.2.2	MLE	Mount Lee		\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.2.2	MLM	Mira Loma Facility		\$ -	\$ -	\$ 574,787	\$ 57,479	\$ 517,308
B.2.2	MMC	Mount McDill		\$ -	\$ -	\$ 735,075	\$ 73,507	\$ 661,567
B.2.2	MFL	Mount Lukens		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	MTT	Mt Thom		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	MTW	Mount Washington		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	MVS	Monte Vista (Star Center)		\$ -	\$ -	\$ 312,077	\$ 31,208	\$ 280,870
B.2.2	OAT	Oat Mountain OAT		\$ -	\$ -	\$ 507,627	\$ 50,763	\$ 456,864
B.2.2	OMC	Oat Mountain OMC		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	ONK	Oat Mountain Nike		\$ -	\$ -	\$ 544,369	\$ 54,437	\$ 489,932
B.2.2	PHN	Puente Hills		\$ -	\$ -	\$ 205,959	\$ 20,596	\$ 185,363
B.2.2	PRG	Portal Ridge		\$ -	\$ -	\$ 739,261	\$ 73,926	\$ 665,335
B.2.2	PSH	Pomona 1620 Hillcrest		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	RDNBPD	Redondo Beach PD		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	RHT	Rolling Hills Transmit		\$ -	\$ -	\$ 735,910	\$ 73,591	\$ 662,319
B.2.2	RIH	Rio Hondo		\$ -	\$ -	\$ 755,872	\$ 75,587	\$ 680,285
B.2.2	RPVE001	Rancho Palos Verde City Hall		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	SAG	San Augustine		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	SDW	San Dimas		\$ -	\$ -	\$ 679,371	\$ 67,937	\$ 611,434
B.2.2	SGH	Signal Hill		\$ -	\$ -	\$ 350,623	\$ 35,062	\$ 315,561
B.2.2	SPC	San Pedro Hill		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	SPN	Saddle Peak		\$ -	\$ -	\$ 438,967	\$ 43,897	\$ 395,071
B.2.2	SUN	Sunset Ridge		\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.2.2	SVP	San Vicente Peak		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	SWP	Southwest Area Station		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	TOP	Topanga Peak		\$ -	\$ -	\$ 559,263	\$ 55,926	\$ 503,337
B.2.2	TPK	Tejon Peak		\$ -	\$ -	\$ 590,720	\$ 59,072	\$ 531,648
B.2.2	TWR	Tower Peak		\$ -	\$ -	\$ 1,019,370	\$ 101,937	\$ 917,433
B.2.2	VPC	Verdugo Peak (city)		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	WAD	Walker Drive		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	WMP	Whitaker Middle Peak		\$ -	\$ -	\$ 591,434	\$ 59,143	\$ 532,291
B.2.2	WS1	100 Wilshire		\$ -	\$ -	\$ 185,718	\$ 18,572	\$ 167,146
B.2.2	WTR	Whitaker Ridge		\$ -	\$ -	\$ 629,583	\$ 62,958	\$ 566,625
B.2.2	LAPD077	77TH Street Area Complex		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LAPDDVN	Devonshire Area station		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	FCCF	L A County Fire Command		\$ -	\$ -	\$ 186,715	\$ 18,671	\$ 168,043
B.2.2	LAPDVDC	Valley Dispatch Center		\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal for Site Construction and Modifications Site Detail				\$ -	\$ -	\$ 17,649,609	\$ 1,764,961	\$ 15,884,648

EXHIBIT C.3 - SCHEDULE OF PAYMENTS
PHASE 2 - SITE CONSTRUCTION AND SITE MODIFICATION

Deliverable/ Task/ Section No. <small>(Exhibit A, Exhibit B, or Base Document)</small>	Site ID	Deliverable <small>(Refer to Site Development Matrix in Exhibit B for further details on the capacity and sizes of site components)</small>	Phase 2 Total					
			Qty.	Unilateral Option Sum Incuding Project Management	Credits <small>(Note 1)</small>	Contract Sum - Payable Amount for Phase 2 <small>(Note 1,2,3,4,5)</small>	10% Holdback Amount	Payable Amount Less 10% Holdback
ADDITIONAL SITES (AMENDMENT NO. 10)								
B.2.2		Site Construction						
B.2.2	APC	Airport Courthouse		\$ -	\$ -	\$ 152,578	\$ 15,258	\$ 137,320
B.2.2	BCHCPRK	Beverly Hills' Coldwater Canyon Park		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LACF136	FS 136		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	LAHE	LA City Hall East		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	OLI	Olinda		\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal for Additional Sites (Amendment No. 10)				\$ -	\$ -	\$ 152,578	\$ 15,258	\$ 137,320
ADDITIONAL SITES (AMENDMENT NO. 17)								
B.2.2		Site Construction						
B.2.2	AGH	Agoura Hills		\$ -	\$ -	\$ 532,096	\$ 53,210	\$ 478,886
B.2.2	BUR1	Burnt Peak 1		\$ -	\$ -	\$ 720,568	\$ 72,057	\$ 648,511
B.2.2	CCT	Criminal Court (Foltz)		\$ -	\$ -	\$ 555,734	\$ 55,573	\$ 500,161
B.2.2	CRN	Cerro Negro		\$ -	\$ -	\$ 557,562	\$ 55,756	\$ 501,806
B.2.2	FRP	Frost Peak (Upper Blue Ridge)		\$ -	\$ -	\$ 760,736	\$ 76,074	\$ 684,662
B.2.2	GMT	Grass Mountain		\$ -	\$ -	\$ 1,581,819	\$ 158,182	\$ 1,423,637
B.2.2	H-17A	H-17 Helipad		\$ -	\$ -	\$ 358,453	\$ 35,845	\$ 322,608
B.2.2	LARICSHQ	LA-RICS Headquarters		\$ -	\$ -	\$ 27,508	\$ 2,751	\$ 24,757
B.2.2	LASDTEM	Los Angeles County Sheriff's Department Temple Station		\$ -	\$ -	\$ 297,580	\$ 29,758	\$ 267,822
B.2.2	LPC	Loop Canyon		\$ -	\$ -	\$ 475,498	\$ 47,550	\$ 427,948
B.2.2	LEPS	Lower Encinal Pump Station		\$ -	\$ -	\$ -	\$ -	\$ -
B.2.2	MIR	Mirador		\$ -	\$ -	\$ 412,858	\$ 41,286	\$ 371,572
B.2.2	MML	Magic Mountain Link		\$ -	\$ -	\$ 758,650	\$ 75,865	\$ 682,785
B.2.2	MTL2	Mount Lukens 2		\$ -	\$ -	\$ 818,220	\$ 81,822	\$ 736,398
B.2.2	PDC	Pacific Design Center		\$ -	\$ -	\$ 241,099	\$ 24,110	\$ 216,989
B.2.2	PLM	Los Angeles County Sheriff's Department Palmdale Station		\$ -	\$ -	\$ 212,651	\$ 21,265	\$ 191,386
B.2.2	PMT	Pine Mountain		\$ -	\$ -	\$ 1,226,334	\$ 122,633	\$ 1,103,701
B.2.2	PWT	Portshead Tank		\$ -	\$ -	\$ 402,033	\$ 40,203	\$ 361,830
B.2.2	VPK	Verdugo Peak County)		\$ -	\$ -	\$ 682,724	\$ 68,272	\$ 614,452
Subtotal for Additional Sites (Amendment No. 17)				\$ -	\$ -	\$ 10,622,123	\$ 1,062,212	\$ 9,559,911
		Project Management	Included		\$ -	\$ -	\$ -	\$ -
Base.22.3.2		Performance Bond	1	\$ -	\$ -	\$ 193,803	\$ -	\$ 193,803
		Materials and Labor Bond	Included	\$ -	\$ -	\$ -	\$ -	\$ -
		Total Lease Costs		N/A	\$ -	\$ -	\$ -	\$ -
Base.22.2.2		Builder's Insurance	1	\$ -	\$ -	\$ 372,599	\$ -	\$ 372,599
Base.22.2.1		Liability Insurance (General and Professional)	1	\$ -	\$ -	\$ 527,500	\$ -	\$ 527,500
B.2.2		Phase 2 Completion Acceptance				\$ 8,963,267	\$ 896,327	\$ 8,066,940
ADDITIONAL SITE (AMENDMENT NO. 21)								
B.2.2		Site Construction						
B.2.2	JPK2	Johnstone Peak - 2		\$ -	\$ -	\$ 661,912	\$ 66,191	\$ 595,721
Subtotal for Additional Site (Amendment No. 21)				\$ -	\$ -	\$ 661,912	\$ 66,191	\$ 595,721
ADDITIONAL SITES (AMENDMENT NO. 25)								
B.2.2		Site Construction						
B.2.2	BHS	Baldwin Hills County				\$ 744,255	\$ 74,426	\$ 669,830
B.2.2	DPW38	Los Angeles County Department of Public Works Pump Station 38				\$ 746,949	\$ 74,695	\$ 672,254
B.2.2	RPV1	Rancho Palos Verde				\$ 344,492	\$ 34,449	\$ 310,043
Subtotal for Additional Site (Amendment No. 25)				\$ -	\$ -	\$ 1,835,696	\$ 183,570	\$ 1,652,126
ADDITIONAL SITE (AMENDMENT NO. 26)								
B.2.2		Site Construction						
B.2.2	LAN	Lancaster		\$ -	\$ -	\$ 8,430	\$ 843	\$ 7,587
Subtotal for Additional Site (Amendment No. 26)				\$ -	\$ -	\$ 8,430	\$ 843	\$ 7,587
ADDITIONAL SITES (AMENDMENT NO. 27)								
B.2.2		Site Construction						
B.2.2	BKK	BKK Landfill				\$ 313,118	\$ 31,312	\$ 281,806
B.2.2	UCLA	UCLA (Factor Building)				\$ 420,011	\$ 42,001	\$ 378,010
Subtotal for Additional Sites (Amendment No. 27)				\$ -	\$ -	\$ 733,129	\$ 73,313	\$ 659,816
ADDITIONAL SITES (AMENDMENT NO. 29)								
B.2.2		Site Construction						
B.2.2	POM	Pomona Courthouse				\$ 308,134	\$ 30,813	\$ 277,321
Subtotal for Additional Sites (Amendment No. 29)						\$ 308,134	\$ 30,813	\$ 277,321
ADDITIONAL SITES (AMENDMENT NO. 30)								
B.2.2		Site Construction						
B.2.2	UNIV	Universal Studios				\$ 483,007	\$ 48,301	\$ 434,706
	Subtotal for Additional Sites (Amendment No. 30)					\$ 483,007	\$ 48,301	\$ 434,706
ADDITIONAL SITE (AMENDMENT NO. 34)								
B.2.2		Site Construction						
B.2.2	INDWT	Industry Water Tank				\$ 503,314	\$ 50,331	\$ 452,983
	Subtotal for Additional Sites (Amendment No. 34)					\$ 503,314	\$ 50,331	\$ 452,983

EXHIBIT C.3 - SCHEDULE OF PAYMENTS
PHASE 2 - SITE CONSTRUCTION AND SITE MODIFICATION

Deliverable/ Task/ Section No. <small>(Exhibit A, Exhibit B, or Base Document)</small>	Site ID	Deliverable <small>(Refer to Site Development Matrix in Exhibit B for further details on the capacity and sizes of site components)</small>	Phase 2 Total					
			Qty.	Unilateral Option Sum Incuding Project Management	Credits <small>(Note 1)</small>	Contract Sum - Payable Amount for Phase 2 <small>(Note 1,2,3,4,5)</small>	10% Holdback Amount	Payable Amount Less 10% Holdback
ADDITIONAL SITE (AMENDMENT NO. 35)								
B.2.2		Site Construction						
B.2.2	WWY	Winding Way				\$ -	\$ -	\$ -
	Subtotal for Additional Sites (Amendment No. 35)					\$ -	\$ -	\$ -
ADDITIONAL SITE (AMENDMENT NO. 36)								
B.2.2		Site Construction						
B.2.2	SPH	San Pedro Hill				\$ 244,626	\$ 24,463	\$ 220,163
	Subtotal for Additional Sites (Amendment No. 36)					\$ 244,626	\$ 24,463	\$ 220,163
ADDITIONAL SITE (AMENDMENT NO. 50)								
B.2.2		Site Construction						
B.2.2	ESR	East Sunset Ridge				\$ 1,149,568	\$ 114,957	\$ 1,034,611
	Subtotal for Additional Sites (Amendment No. 50)					\$ 1,149,568	\$ 114,957	\$ 1,034,611
Total for Phase 2 - Site Construction and Modifications (including Subtotals for Site Detail)				\$ -	\$ -	\$ 44,409,295	\$ 4,331,539	\$ 40,077,755

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

Note 2: Pursuant to Amendment No. Ten, effective February 17, 2015, Exhibit C.2 (Schedule of Prices - Site Construction and Site Modification) was amended by Amendment No. 10 to reflect (a) the conversion of Unilateral Option Sum to Contract Sum for for eight (8) LMR System Site currently contemplated in the Design and the addition of five (5) LMR System Sites; and (b) the removal of four (4) sites.

Note 3: Pursuant to Amendment No. Seventeen, thirty-four (34) LMR System Sites were removed from further consideration; nineteen (19) LMR System Sites were included as part of the LMR System; and Phase 2 Completion Acceptance was included. In connection therewith, and in addition to all activites contemplated in this Phase 2, Unilateral Option Sums, not previously exercised, were converted into Contract Sums.

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

Note 5: Pursuant to Amendment No. Thirty-Two, two (2) LMR System Site were removed from further consideration in Phases 1-4.

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

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable		Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13, 14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN <i>(Note 17)</i>	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8, 16)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	BAH	Baldwin Hills	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	BJM	Black Jack Peak	\$ -	\$ -	\$ 311,506	\$ 121,145	\$ 225,595	\$ -	\$ 28,058	\$ -	\$ 686,304	\$ 68,630	\$ 617,674
B.3.2 to B.3.6	BMT	Bald Mountain	\$ -	\$ -	\$ 1,351,696	\$ -	\$ 171,631	\$ -	\$ 36,032	\$ -	\$ 1,559,359	\$ -	\$ 1,559,359
B.3.2 to B.3.6	BRK	Blue Rock	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	BUR	Burnt Peak	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	BVG	Beverly Glen	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	CCB	Compton Court Building	\$ -	\$ -	\$ 482,398	\$ 171,692	\$ -	\$ -	\$ 36,176	\$ -	\$ 690,266	\$ -	\$ 690,266
B.3.2 to B.3.6	CEP	Century Plaza	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	CLM	Claremont	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,252	\$ -	\$ 30,252	\$ 3,025	\$ 27,227
B.3.2 to B.3.6	CPK	Castro Peak	\$ -	\$ -	\$ 548,134	\$ 318,690	\$ 381,450	\$ -	\$ 51,596	\$ -	\$ 1,299,870	\$ 129,987	\$ 1,169,883
B.3.2 to B.3.6	DPK	Dakin Peak	\$ -	\$ -	\$ 746,192	\$ 236,731	\$ 112,217	\$ -	\$ 39,605	\$ -	\$ 1,134,745	\$ 113,475	\$ 1,021,271
B.3.2 to B.3.6	ELSGDPD	El Segundo PD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	ENC1	Encinal 1 (Fire Camp)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	GRM	Green Mountain	\$ -	\$ -	\$ 376,417	\$ 85,781	\$ 146,327	\$ -	\$ 64,131	\$ -	\$ 672,656	\$ 67,266	\$ 605,390
B.3.2 to B.3.6	HPK	Hauser Peak	\$ -	\$ -	\$ 917,311	\$ 145,772	\$ 296,409	\$ -	\$ 46,753	\$ -	\$ 1,406,245	\$ -	\$ 1,406,245
B.3.2 to B.3.6	JPK	Johnstone Peak		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
B.3.2 to B.3.6	LACF028	FS 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF056	FS 56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF071	FS 71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF072	FS 72	\$ -	\$ -	\$ 546,319	\$ 83,252	\$ 210,233	\$ -	\$ 26,897	\$ -	\$ 866,701	\$ 86,670	\$ 780,031
B.3.2 to B.3.6	LACF077	FS 77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF084	FS 84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF091	FS 91	\$ -	\$ -	\$ 176,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,055	\$ 17,606	\$ 158,450
B.3.2 to B.3.6	LACF099	FS 99	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF119	FS 119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF144	FS 144	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF149	FS 149	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF157	FS 157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF196	FS 169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACFCP09	CP 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACFDEL	Los Angeles County Fire Departmental Del Valle Training Camp	\$ -	\$ -	\$ 372,867	\$ 74,338	\$ 85,268	\$ -	\$ 32,590	\$ -	\$ 565,063	\$ 56,506	\$ 508,557
B.3.2 to B.3.6	LAH	LA City Hall ^(Note 4)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LBR	Lower Blue Ridge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LDWP243	DWP Sylmar Water Ladder	\$ -	\$ -	\$ 431,751	\$ 74,185	\$ 79,467	\$ -	\$ 27,849	\$ -	\$ 613,252	\$ -	\$ 613,252
B.3.2 to B.3.6	MAM	Magic Mountain		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	MDI	Mount Disappointment	\$ -		\$ 548,134	\$ 254,946	\$ 381,450	\$ -	\$ 30,685	\$ -	\$ 1,215,215	\$ 121,522	\$ 1,093,694
	MLE	Mount Lee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	MLM	Mira Loma Facility	\$ -	\$ -	\$ 917,609	\$ 121,774	\$ 39,740	\$ -	\$ 31,324	\$ -	\$ 1,110,448	\$ 111,045	\$ 999,403
B.3.2 to B.3.6	MMC	Mount McDill	\$ -	\$ -	\$ 483,224	\$ 146,308	\$ 376,943	\$ -	\$ 60,498	\$ -	\$ 1,066,973	\$ 106,697	\$ 960,276
B.3.2 to B.3.6	MTL	Mount Lukens	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	MTT	Mount Thom	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	MTW	Mount Washington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable		Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13, 14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN <i>(Note 17)</i>	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8, 16)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.3.2 to B.3.6	MVS	Monte Vista (Star Center)	\$ -	\$ -	\$ 524,294	\$ 95,096	\$ -	\$ -	\$ 30,352	\$ -	\$ 649,741	\$ -	\$ 649,741
B.3.2 to B.3.6	OAT	Oat Mountain OAT	\$ -	\$ -	\$ 176,493	\$ 162,062	\$ -	\$ -	\$ 80,168	\$ -	\$ 418,724	\$ 41,872	\$ 376,852
B.3.2 to B.3.6	OMC	Oat Mountain OMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	ONK	Oat Mountain Nike	\$ -	\$ -	\$ 432,751	\$ 146,308	\$ 376,943	\$ -	\$ 27,470	\$ -	\$ 983,472	\$ 26,127	\$ 957,345
B.3.2 to B.3.6	PHN	Puente Hills	\$ -	\$ -	\$ 524,774	\$ 365,910	\$ 297,006	\$ -	\$ 32,899	\$ -	\$ 1,220,589	\$ -	\$ 1,220,589
B.3.2 to B.3.6	PRG	Portal Ridge	\$ -		\$ 483,223	\$ 93,985	\$ 143,940	\$ -	\$ 54,116	\$ -	\$ 775,266	\$ 77,527	\$ 697,739
B.3.2 to B.3.6	PSH	Pomona 1620 Hillcrest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	RDNBPD	Redondo Beach PD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	RHT	Rolling Hills Transmit	\$ -	\$ -	\$ 917,609	\$ 172,269	\$ 127,115	\$ -	\$ 28,417	\$ -	\$ 1,245,411	\$ 124,541	\$ 1,120,870
B.3.2 to B.3.6	RIH	Rio Hondo	\$ -	\$ -	\$ 969,350	\$ 348,895	\$ 79,785	\$ -	\$ 21,676	\$ -	\$ 1,419,705	\$ 141,971	\$ 1,277,735
B.3.2 to B.3.6	RPVE001	Rancho Palos Verde City Hall	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	SAG	San Augustine	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	SDW	San Dimas	\$ -	\$ -	\$ 525,073	\$ 232,167	\$ -	\$ -	\$ 45,368	\$ -	\$ 802,608	\$ 80,261	\$ 722,347
B.3.2 to B.3.6	SGH	Signal Hill ^(Note 9)	\$ -	\$ -	\$ 483,224	\$ -	\$ -	\$ -	\$ 42,926	\$ -	\$ 526,150	\$ 52,615	\$ 473,535
B.3.2 to B.3.6	SPC	San Pedro Hill	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	SPN	Saddle Peak ^(Note 9)	\$ -	\$ -	\$ 376,418	\$ -	\$ 140,486	\$ -	\$ 30,636	\$ -	\$ 547,539	\$ 54,754	\$ 492,786
B.3.2 to B.3.6	SUN	Sunset Ridge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	SVP	San Vicente Peak	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	SWP	Southwest Area Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	TOP	Topanga Peak ^(Note 9)	\$ -	\$ -	\$ 1,002,900	\$ 231,585	\$ 79,904	\$ -	\$ 39,457	\$ -	\$ 1,353,847	\$ 135,385	\$ 1,218,462
B.3.2 to B.3.6	TPK	Tejon Peak	\$ -	\$ -	\$ 483,224	\$ 144,298	\$ 211,208	\$ -	\$ 43,043	\$ -	\$ 881,773	\$ 47,040	\$ 834,733
B.3.2 to B.3.6	TWR	Tower Peak	\$ -	\$ -	\$ 310,728	\$ 112,136	\$ 92,902	\$ -	\$ 37,676	\$ -	\$ 553,442	\$ 55,344	\$ 498,098
B.3.2 to B.3.6	VPC	Verdugo Peak (city)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	WAD	Walker Drive	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	WMP	Whittaker Middle Peak	\$ -		\$ 310,695	\$ 4,928	\$ 8,720	\$ -	\$ 38,076	\$ -	\$ 362,419	\$ 36,242	\$ 326,177
B.3.2 to B.3.6	WS1	100 Wilshire	\$ -	\$ -	\$ -	\$ 197,560	\$ -	\$ -	\$ 75,330	\$ -	\$ 272,890	\$ 27,289	\$ 245,601
B.3.2 to B.3.6	WTR	Whittaker Ridge	\$ -		\$ 332,160	\$ 94,753	\$ 218,368	\$ -	\$ 42,956	\$ -	\$ 688,237	\$ 68,824	\$ 619,413
B.3.2 to B.3.6	LAPD077	77TH Street Area Complex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LAPDDVN	Devonshire Area station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	FCCF	L.A. County Fire Command	\$ -		\$ 548,134	\$ 334,775	\$ 136,826	\$ -	\$ 109,185	\$ -	\$ 1,128,920	\$ -	\$ 1,128,920
B.3.2 to B.3.6	LAPDVDC	Valley Dispatch Center	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6		FCCF_Core	\$ -	\$ -	\$ 404,329	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 404,329	\$ -	\$ 404,329
B.3.2 to B.3.6		LAPDVDC_Core	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Site Equipment Subtotal			\$ -	\$ -	\$ 17,014,993	\$ 4,571,341	\$ 4,419,933	\$ -	\$ 1,322,199	\$ -	\$ 27,328,467	\$ 1,852,219	\$ 25,476,248
ADDITIONAL SITES (AMENDMENT NO. 10)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	APC	Airport Courthouse	\$ -	\$ -	\$ 177,033	\$ -	\$ -	\$ -	\$ 36,176	\$ -	\$ 213,209	\$ -	\$ 213,209
B.3.2 to B.3.6	BCHCPRK	Beverly Hills' Coldwater Canyon Park	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LACF136	FS 136	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	LAHE	LA City Hall East ^(Note 4)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	OLI	Olinda	\$ -	\$ -	\$ -	\$ -			\$ -		\$ -	\$ -	\$ -
Subtotal for Additional Sites (Amendment No. 10)			\$ -	\$ -	\$ 177,033	\$ -	\$ -	\$ -	\$ 36,176	\$ -	\$ 213,209	\$ -	\$ 213,209

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

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable		Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13, 14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN <i>(Note 17)</i>	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8, 16)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
ADDITIONAL SITES (AMENDMENT NO. 17)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	AGH	Agoura Hills	\$ -	\$ -	\$ 546,316	\$ 232,589	\$ 88,027	\$ -	\$ 49,600	\$ -	\$ 916,532	\$ 91,653	\$ 824,879
B.3.2 to B.3.6	BUR1	Burnt Peak 1	\$ -		\$ 10,714	\$ 144,298	\$ 296,341	\$ -	\$ 33,298	\$ -	\$ 484,651	\$ 48,465	\$ 436,186
B.3.2 to B.3.6	CCT	Criminal Court (Foltz)	\$ -	\$ -	\$ 547,631	\$ 101,375	\$ -	\$ -	\$ 49,600	\$ -	\$ 698,606	\$ -	\$ 698,606
B.3.2 to B.3.6	CRN	Cerro Negro	\$ -	\$ -	\$ 700,610	\$ 359,241	\$ -	\$ -	\$ 49,600	\$ -	\$ 1,109,451	\$ 110,945	\$ 998,506
B.3.2 to B.3.6	FRP	Frost Peak (Upper Blue Ridge)	\$ -	\$ -	\$ 11,540	\$ 342,483	\$ 382,524	\$ -	\$ 43,713	\$ -	\$ 780,260	\$ 78,026	\$ 702,234
B.3.2 to B.3.6	GMT	Grass Mountain	\$ -	\$ -	\$ 483,224	\$ 76,785	\$ 130,106	\$ -	\$ 44,353	\$ -	\$ 734,468	\$ 73,447	\$ 661,021
B.3.2 to B.3.6	H-17A	H-17 Helipad	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 215,658	\$ 21,566	\$ 194,092
B.3.2 to B.3.6	LARICSHQ	LA-RICS Headquarters	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,252	\$ 3,025	\$ 27,227
B.3.2 to B.3.6	LASDTEM	Temple Station	\$ -	\$ -	\$ 218,743	\$ -	\$ -	\$ -	\$ 43,430	\$ -	\$ 262,173	\$ -	\$ 262,173
B.3.2 to B.3.6	LPC	Loop Canyon	\$ -	\$ -	\$ 176,493	\$ 74,451	\$ 83,473	\$ -	\$ 105,885	\$ -	\$ 440,302	\$ 44,030	\$ 396,272
B.3.2 to B.3.6	LEPS	Lower Encinal Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.2 to B.3.6	MIR	Mirador	\$ -	\$ -	\$ 548,134	\$ -	\$ -	\$ -	\$ 27,795	\$ -	\$ 575,929	\$ 57,593	\$ 518,336
B.3.2 to B.3.6	MML	Magic Mountain Link	\$ -		\$ 154,395	\$ 144,298	\$ 382,884	\$ -	\$ 89,241	\$ -	\$ 770,818	\$ 77,082	\$ 693,736
B.3.2 to B.3.6	MTL2	Mount Lukens 2	\$ -		\$ 547,298	\$ 487,535	\$ 299,795	\$ -	\$ 73,460	\$ -	\$ 1,408,086	\$ 140,809	\$ 1,267,277
B.3.2 to B.3.6	PDC	Pacific Design Center	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 742,588	\$ 74,259	\$ 668,329
B.3.2 to B.3.6	PLM	Palmdale Station	\$ -	\$ -	\$ 177,192	\$ -	\$ -	\$ -	\$ 91,168	\$ -	\$ 672,689	\$ -	\$ 672,689
B.3.2 to B.3.6	PMT	Pine Mountain	\$ -	\$ -	\$ 307,575	\$ 27,643	\$ 80,834	\$ -	\$ 44,353	\$ -	\$ 460,405	\$ 46,041	\$ 414,365
B.3.2 to B.3.6	PWT	Portshead Tank	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 314,877	\$ 31,488	\$ 283,389
B.3.2 to B.3.6	VPK	Verdugo Peak County) ^(Note 9)	\$ -	\$ -	\$ 546,316	\$ 232,589	\$ 163,600	\$ -	\$ 49,600	\$ -	\$ 992,105	\$ 26,703	\$ 965,402
Subtotal for Additional Sites (Amendment No. 17)				\$ -	\$ 4,976,181	\$ 2,223,287	\$ 1,907,584	\$ -	\$ 795,096	\$ -	\$ 11,609,850	\$ 925,131	\$ 10,684,719
ADDITIONAL SITE (AMENDMENT NO. 21)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	JPK2	Johnstone Peak - 2			\$ 10,714	\$ 271,717	\$ 299,795	\$ -	\$ 43,712	\$ -	\$ 625,939	\$ 62,594	\$ 563,345
Subtotal for Additional Site (Amendment No. 21)			\$ -	\$ -	\$ 10,714	\$ 271,717	\$ 299,795	\$ -	\$ 43,712	\$ -	\$ 625,939	\$ 62,594	\$ 563,345
ADDITIONAL SITES (AMENDMENT NO. 25)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	BHS	Baldwin Hills County		\$ -	\$ 1,002,901	\$ 163,066	\$ -	\$ -	\$ 79,826	\$ -	\$ 1,245,793	\$ 124,579	\$ 1,121,214
B.3.2 to B.3.6	DPW38	Los Angeles County Department of Public Works Pump Station 38		\$ -	\$ 153,569	\$ 146,308	\$ 297,675	\$ -	\$ 63,231	\$ -	\$ 660,783	\$ 66,078	\$ 594,705
B.3.2 to B.3.6	RPV1	Rancho Palos Verdes		\$ -	\$ 177,192	\$ -	\$ -	\$ -	\$ 28,417	\$ -	\$ 205,609	\$ 20,561	\$ 185,048
Subtotal for Additional Sites (Amendment No. 25)			\$ -	\$ -	\$ 1,333,662	\$ 309,374	\$ 297,675	\$ -	\$ 171,474	\$ -	\$ 2,112,185	\$ 211,219	\$ 1,900,967
ADDITIONAL SITE (AMENDMENT NO. 26)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	LAN	Lancaster							\$ 30,252	\$ -	\$ 30,252	\$ 3,025	\$ 27,227
Subtotal for Additional Site (Amendment No. 26)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,252	\$ -	\$ 30,252	\$ 3,025	\$ 27,227
ADDITIONAL SITES (AMENDMENT NO. 27)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	BKK	BKK Landfill			\$ 218,743	\$ 35,341	\$ -		\$ 44,353		\$ 298,437	\$ 29,844	\$ 268,593
B.3.2 to B.3.6	UCLA	UCLA (Factor Building)			\$ 240,747				\$ 38,076		\$ 278,823	\$ 27,882	\$ 250,941
Subtotal for Additional Sites (Amendment No. 27)			\$ -	\$ -	\$ 459,490	\$ 35,341	\$ -	\$ -	\$ 82,429	\$ -	\$ 577,260	\$ 57,726	\$ 519,534

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

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable		Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13, 14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN <i>(Note 17)</i>	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8, 16)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
ADDITIONAL SITES (AMENDMENT NO. 29)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	POM	Pomona Courthouse	\$ -		\$ 524,294	\$ 203,198	\$ -	\$ -	\$ 30,252		\$ 757,744	\$ 75,774	\$ 681,970
Subtotal for Additional Sites (Amendment No. 29)			\$ -	\$ -	\$ 524,294	\$ 203,198	\$ -	\$ -	\$ 30,252	\$ -	\$ 757,744	\$ 75,774	\$ 681,970
ADDITIONAL SITES (AMENDMENT NO. 30)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	UNIV	Universal Studios	\$ -		\$ 548,134	\$ -	\$ 85,268	\$ -	\$ 38,076		\$ 671,478	\$ 67,148	\$ 604,330
Subtotal for Additional Sites (Amendment No. 30)			\$ -	\$ -	\$ 548,134	\$ -	\$ 85,268	\$ -	\$ 38,076	\$ -	\$ 671,478	\$ 67,148	\$ 604,330
NMDM (AMENDMENT NO. 32 AND AMENDMENT NO. 39)													
B.3.2 to B.3.6		Equipment Delivery <i>(Note 17)</i>											
B.3.2 to B.3.6		Narrowband Mobile Data Network (NMDN)									\$ 2,044,988	\$ 204,499	\$ 1,840,489
Subtotal for NMDM (Amendment No. 32)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,044,988	\$ 204,499	\$ 1,840,489
ADDITIONAL SITES (AMENDMENT NO. 34)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	INDWT	Industry Water Tank	\$ -	\$ -	\$ 218,743	\$ 202,744	\$ -	\$ -	\$ 31,324		\$ 452,811	\$ 45,281	\$ 407,530
Subtotal for Additional Sites (Amendment No. 34)			\$ -	\$ -	\$ 218,743	\$ 202,744	\$ -	\$ -	\$ 31,324	\$ -	\$ 452,811	\$ 45,281	\$ 407,530
ADDITIONAL SITES (AMENDMENT NO. 35)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	WWY	Winding Way	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -	\$ -
Subtotal for Additional Sites (Amendment No. 35)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ADDITIONAL SITES (AMENDMENT NO. 36)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	SPH	San Pedro Hill	\$ -	\$ -	\$ 479,002				\$ 44,353		\$ 523,355	\$ 52,336	\$ 471,020
Subtotal for Additional Sites (Amendment No. 36)			\$ -	\$ -	\$ 479,002	\$ -	\$ -	\$ -	\$ 44,353	\$ -	\$ 523,355	\$ 52,336	\$ 471,020
ADDITIONAL SITES (AMENDMENT NO. 50)													
B.3.2 to B.3.6		Equipment Delivery											
B.3.2 to B.3.6	ESR	East Sunset Ridge			\$ 524,294	\$ 272,721	\$ 378,337		\$ 35,984		\$ 1,211,336	\$ 121,134	\$ 1,090,202
Subtotal for Additional Sites (Amendment No. 50)											\$ 1,211,336	\$ 121,134	\$ 1,090,202
B.3.7		Consoles for LARTCS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 384,917	\$ 38,492	\$ 346,426
B.3.8		Logging Recorder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,743,216	\$ -	\$ 1,743,216
B.3.9		System Management and Monitoring Subsystem	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 445,681	\$ 44,568	\$ 401,113
B.1.6		FCC Liensing <i>(Note 6)</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.3.10		Pre-Installation Testing Acceptance - Core Staging for SOT Prep	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
B.3.10.1.DTVRS		Pre-Installation Testing Acceptance - Core Staging for SOT Prep (DTVRS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,262,102	\$ 226,210	\$ 2,035,891
B.3.10.1.ACVRS		Pre-Installation Testing Acceptance - Core Staging for SOT Prep (ACVRS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 720,452	\$ 72,045	\$ 648,407
B.3.10.1.LARTCS		Pre-Installation Testing Acceptance - Core Staging for SOT Prep (LARTCS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 932,474	\$ 93,247	\$ 839,226
B.3.10.1.NMDN		Pre-Installation Testing Acceptance - Core Staging for SOT Prep (NMDN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 245,747	\$ 24,575	\$ 221,172
B.3.10.1.FINAL		Pre-Installation Testing Acceptance - Core Staging for SOT Prep FINAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 241,854	\$ 24,185	\$ 217,668
B.3.10.2.BALANCE		Pre-Installation Testing Acceptance - Balance of Sites by Site	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,370,645	\$ 237,065	\$ 2,133,581

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

Deliverable/ Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable		Equipment Purchase in Phase 1 Credit per Site <i>(Note 1,11,12,13, 14,15)</i>	DTVRS	ACVRS	LARTCS	NMDN <i>(Note 17)</i>	Microwave	Credits <i>(Note 2)</i>	Total Contract Sum - Total Payable Amount for Phase 3 <i>(Note 1, 3, 8, 16)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
		Equipment Shipment: Credit for Portable Radio Upgrades	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (361,900)	\$ (36,190)	\$ (325,710)
Base.22.3.2		Performance Bond for Phase 3 - Supply LMR System Components	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 474,041		\$ 474,041
		Total Lease Costs for Phase 3 - Supply LMR System Components	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18.		Liability Insurance (General and Professional)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 440,691		\$ 440,691
Total for Phase 3 - Supply LMR System Components:			\$ -	\$ -	\$ 25,742,246	\$ 7,817,002	\$ 7,010,255	\$ -	\$ 2,625,343	\$ -	\$ 58,058,793	\$ 4,402,282	\$ 53,656,511

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

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

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

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

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

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

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

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

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

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

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

Note 11: Pursuant to Amendment No. Twenty-One, credit in the amount of \$563,761 from CPK was moved to BUR1, credit in the amount of \$943,771 from MLM was moved to MTL2, credit in the amount of \$181,525 from OAT was moved to LPC, credit in the amount of \$497,000 from SDW was moved to SUN, credit in the amount of \$547,298 from SGH was moved to MML, credit in the amount of \$547,158 from TOP was moved to FRP, credit in amount of \$497,000 from TPK was moved to MDI.

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

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

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

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

Note 16: Pursuant to Amendment No. Thirty-Two, two (2) LMR System Site were removed from further consideration in Phases 1-4.

Note 17: Pursuant to Amendment No. Thirty-Two, the per site NMDM costs contemplated in Phase 3 and Phase 4, have moved to a single line item in the amount of \$2,764,123, resulting Discounts in the amount of \$582,086 have been captured in Exhibit C.15 (LMR Discounts), which will be applied at the discretion of the Authority.

EXHIBIT C.5 - SCHEDULE OF PAYMENTS

PHASE 4 - LMR SYSTEM IMPLEMENTATION

Deliverable/Task /Section No. (Exhibit A, Exhibit B, or Base Document)	Site ID	Deliverable	Phase 4 Total					
			Qty.	Unilateral Option Sum for Site Installation Only	Unilateral Option Sum for Acceptance Including Project Management (Note 1)	Contract Sum - Payable Amount for Phase 4 (Note 8)	10% Holdback Amount	Payable Amount Less 10% Holdback
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	BAH	Baldwin Hills		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	BJM	Black Jack Peak		\$ -	\$ -	\$ 175,932	\$ 17,593	\$ 158,338
B.4.2.2	BMT	Bald Mountain		\$ -	\$ -	\$ 126,074	\$ 12,607	\$ 113,466
B.4.2.2	BRK	Blue Rock		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	BUR	Burnt Peak		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	BVG	Beverly Glen		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	CCB	Compton Court Building		\$ -	\$ -	\$ 89,559	\$ 8,956	\$ 80,603
B.4.2.2	CEP	Century Plaza		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	CLM	Claremont		\$ -	\$ -	\$ 26,062	\$ 2,606	\$ 23,456
B.4.2.2	CPK	Castro Peak		\$ -	\$ -	\$ 153,763	\$ 15,376	\$ 138,387
B.4.2.2	DPK	Dakin Peak		\$ -	\$ -	\$ 106,398	\$ 10,640	\$ 95,758
B.4.2.2	ELSGDPD	El Segundo PD		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	ENC1	Encinal 1 (Fire Camp)		\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.2	GRM	Green Mountain		\$ -	\$ -	\$ 126,588	\$ 12,659	\$ 113,929
B.4.2.2	HPK	Hauser Peak		\$ -	\$ -	\$ 158,493	\$ 15,849	\$ 142,644
B.4.2.2	JPK	Johnstone Peak		\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.2	LACF028	FS 28		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF056	FS 56		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF071	FS 71		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF072	FS 72		\$ -	\$ -	\$ 89,330	\$ 8,933	\$ 80,397
B.4.2.2	LACF077	FS 77		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF084	FS 84		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF091	FS 91		\$ -	\$ -	\$ 42,234	\$ 4,223	\$ 38,010
B.4.2.2	LACF099	FS 99		\$ -	\$ -	\$ 0	\$ -	\$ -
B.4.2.2	LACF119	FS 119		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF144	FS 144		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF149	FS 149		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF157	FS 157		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACF196	FS 169		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACFCP09	CP 9		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACFDEL	Los Angeles County Fire Departmental Del Valle Training Camp		\$ -	\$ -	\$ 59,918	\$ 5,992	\$ 53,926
B.4.2.2	LAH	LA City Hall		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LBR	Lower Blue Ridge		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LDWP243	DWP Sylmar Water Ladder		\$ -	\$ -	\$ 70,592	\$ 7,059	\$ 63,532
B.4.2.2	MAM	Magie Mountain		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	MDI	Mount Disappointment		\$ -	\$ -	\$ 195,598	\$ 19,560	\$ 176,038
B.4.2.2	MLE	Mount Lee		\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.2	MLM	Mira Loma Facility		\$ -	\$ -	\$ 105,662	\$ 10,566	\$ 95,096
B.4.2.2	MMC	Mount McDill		\$ -	\$ -	\$ 164,568	\$ 16,457	\$ 148,111
B.4.2.2	MTL	Mount Lukens		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	MTT	Mount Thom		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	MTW	Mount Washington		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	MVS	Monte Vista (Star Center)		\$ -	\$ -	\$ 62,401	\$ 6,240	\$ 56,161
B.4.2.2	OAT	Oat Mountain OAT		\$ -	\$ -	\$ 31,374	\$ 3,137	\$ 28,236
B.4.2.2	OMC	Oat Mountain OMC		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	ONK	Oat Mountain Nike		\$ -	\$ -	\$ 184,539	\$ 18,454	\$ 166,085
B.4.2.2	PHN	Puente Hills		\$ -	\$ -	\$ 152,044	\$ 15,204	\$ 136,839
B.4.2.2	PRG	Portal Ridge		\$ -	\$ -	\$ 114,907	\$ 11,491	\$ 103,416
B.4.2.2	PSH	Pomona 1620 Hillcrest		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	RDNBPD	Redondo Beach PD		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	RHT	Rolling Hills Transmit		\$ -	\$ -	\$ 139,955	\$ 13,996	\$ 125,960
B.4.2.2	RIH	Rio Hondo		\$ -	\$ -	\$ 134,625	\$ 13,462	\$ 121,162
B.4.2.2	RPVE001	Rancho Palos Verde City Hall		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	SAG	San Augustine		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	SDW	San Dimas		\$ -	\$ -	\$ 103,786	\$ 10,379	\$ 93,407
B.4.2.2	SGH	Signal Hill		\$ -	\$ -	\$ 80,521	\$ 8,052	\$ 72,469
B.4.2.2	SPC	San Pedro Hill		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	SPN	Saddle Peak		\$ -	\$ -	\$ 99,371	\$ 9,937	\$ 89,434
B.4.2.2	SUN	Sunset Ridge		\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.2	SVP	San Vicente Peak		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	SWP	Southwest Area Station		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	TOP	Topanga Peak		\$ -	\$ -	\$ 126,555	\$ 12,655	\$ 113,899
B.4.2.2	TPK	Tejon Peak		\$ -	\$ -	\$ 136,015	\$ 13,602	\$ 122,414
B.4.2.2	TWR	Tower Peak		\$ -	\$ -	\$ 96,430	\$ 9,643	\$ 86,787
B.4.2.2	VPC	Verdugo Peak (City)		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	WAD	Walker Drive		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	WMP	Whittaker Middle Peak		\$ -	\$ -	\$ 58,659	\$ 5,866	\$ 52,794

EXHIBIT C.5 - SCHEDULE OF PAYMENTS

PHASE 4 - LMR SYSTEM IMPLEMENTATION

Deliverable/Task /Section No. (Exhibit A, Exhibit B, or Base Document)	Site ID	Deliverable	Phase 4 Total					
			Qty.	Unilateral Option Sum for Site Installation Only	Unilateral Option Sum for Acceptance Including Project Management (Note 1)	Contract Sum - Payable Amount for Phase 4 (Note 8)	10% Holdback Amount	Payable Amount Less 10% Holdback
B.4.2.2	WS1	100 Wilshire		\$ -	\$ -	\$ 87,459	\$ 8,746	\$ 78,713
B.4.2.2	WTR	Whittaker Ridge		\$ -	\$ -	\$ 107,906	\$ 10,791	\$ 97,115
B.4.2.2	LAPD077	77TH Street Area Complex		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LAPDDVN	Devonshire Area station		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	FCCF	L.A. County Fire Command		\$ -	\$ -	\$ 215,429	\$ 21,543	\$ 193,886
B.4.2.2	LAPDVDC	Valley Dispatch Center		\$ -	\$ -	\$ -	\$ -	\$ -
Phase 4 Subtotals Phase 4 - LMR System Implementation Per Site Detail				\$ -	\$ -	\$ 3,622,746	\$ 362,275	\$ 3,260,471
ADDITIONAL SITES (AMENDMENT NO. 10)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	APC	Airport Courthouse		\$ -	\$ -	\$ 39,361	\$ 3,936	\$ 35,425
B.4.2.2	BCHCPRK	Beverly Hills' Coldwater Canyon Park		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LACFI36	FS 136		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	LAHE	LA City Hall East		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	OLI	Olinda		\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal for Additional Sites (Amendment No. 10)				\$ -	\$ -	\$ 39,361	\$ 3,936	\$ 35,425
ADDITIONAL SITES (AMENDMENT NO. 17)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	AGH	Agoura Hills		\$ -	\$ -	\$ 95,136	\$ 9,514	\$ 85,622
B.4.2.2	BUR1	Burnt Peak 1		\$ -	\$ -	\$ 112,840	\$ 11,284	\$ 101,556
B.4.2.2	CCT	Criminal Court (Foltz)		\$ -	\$ -	\$ 88,854	\$ 8,885	\$ 79,969
B.4.2.2	CRN	Cerro Negro		\$ -	\$ -	\$ 89,001	\$ 8,900	\$ 80,101
B.4.2.2	FRP	Frost Peak (Upper Blue Ridge)		\$ -	\$ -	\$ 194,565	\$ 19,457	\$ 175,109
B.4.2.2	GMT	Grass Mountain		\$ -	\$ -	\$ 101,683	\$ 10,168	\$ 91,515
B.4.2.2	H-17A	H-17 Helipad		\$ -	\$ -	\$ 45,737	\$ 4,574	\$ 41,163
B.4.2.2	LARICSHQ	LA-RICS Headquarters		\$ -	\$ -	\$ 26,062	\$ 2,606	\$ 23,456
B.4.2.2	LASDTEM	Los Angeles County Sheriff's Department Temple Station		\$ -	\$ -	\$ 45,805	\$ 4,581	\$ 41,225
B.4.2.2	LPC	Loop Canyon		\$ -	\$ -	\$ 61,062	\$ 6,106	\$ 54,956
3223	LEPS	Lower Encinal Pump Station		\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.2	MIR	Mirador		\$ -	\$ -	\$ 85,601	\$ 8,560	\$ 77,041
B.4.2.2	MML	Magic Mountain Link		\$ -	\$ -	\$ 205,692	\$ 20,569	\$ 185,123
B.4.2.2	MTL2	Mount Lukens 2		\$ -	\$ -	\$ 147,781	\$ 14,778	\$ 133,003
B.4.2.2	PDC	Pacific Design Center		\$ -	\$ -	\$ 102,627	\$ 10,263	\$ 92,364
B.4.2.2	PLM	Los Angeles County Sheriff's Department Palmdale Station		\$ -	\$ -	\$ 111,498	\$ 11,150	\$ 100,348
B.4.2.2	PMT	Pine Mountain		\$ -	\$ -	\$ 92,909	\$ 9,291	\$ 83,618
B.4.2.2	PWT	Portthead Tank		\$ -	\$ -	\$ 61,450	\$ 6,145	\$ 55,305
B.4.2.2	VPK	Verdugo Peak County		\$ -	\$ -	\$ 117,047	\$ 11,705	\$ 105,342
Subtotal for Additional Sites (Amendment No. 17)				\$ -	\$ -	\$ 1,785,350	\$ 178,535	\$ 1,606,815
ADDITIONAL SITE (AMENDMENT NO. 21)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	JPk2	Johnstone Peak - 2		\$ -	\$ -	\$ 131,347	\$ 13,135	\$ 118,212
Subtotal for Additional Site (Amendment No. 21)				\$ -	\$ -	\$ 131,347	\$ 13,135	\$ 118,212
ADDITIONAL SITES (AMENDMENT NO. 25)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	BHS	Baldwin Hills County		\$ -	\$ -	\$ 104,318	\$ 10,432	\$ 93,886
B.4.2.2	DPW38	Los Angeles County Department of Public Works Pump Station 38		\$ -	\$ -	\$ 148,928	\$ 14,893	\$ 134,035
B.4.2.2	RPV1	Rancho Palos Verdes		\$ -	\$ -	\$ 43,428	\$ 4,343	\$ 39,085
Subtotal for Additional Site (Amendment No. 25)				\$ -	\$ -	\$ 296,674	\$ 29,667	\$ 267,007
ADDITIONAL SITE (AMENDMENT NO. 26)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	LAN	Lancaster		\$ -	\$ -	\$ 26,062	\$ 2,606	\$ 23,456
Subtotal for Additional Site (Amendment No. 26)				\$ -	\$ -	\$ 26,062	\$ 2,606	\$ 23,456
ADDITIONAL SITES (AMENDMENT NO. 27)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	BKK	BKK Landfill				\$ 68,467	\$ 6,847	\$ 61,620
B.4.2.2	UCLA	UCLA (Factor Building)				\$ 60,771	\$ 6,077	\$ 54,694
Subtotal for Additional Sites (Amendment No. 27)				\$ -	\$ -	\$ 129,238	\$ 12,924	\$ 116,314
ADDITIONAL SITES (AMENDMENT NO. 29)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	POM	Pomona Courthouse				\$ 104,593	\$ 10,459	\$ 94,134

EXHIBIT C.5 - SCHEDULE OF PAYMENTS

PHASE 4 - LMR SYSTEM IMPLEMENTATION

Deliverable/Task /Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable	Phase 4 Total					
			Qty.	Unilateral Option Sum for Site Installation Only	Unilateral Option Sum for Acceptance Including Project Management <i>(Note 1)</i>	Contract Sum - Payable Amount for Phase 4 <i>(Note 8)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
Subtotal for Additional Sites (Amendment No. 29)				\$ -	\$ -	\$ 104,593	\$ 10,459	\$ 94,134
ADDITIONAL SITES (AMENDMENT NO. 30)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	UNIV	Universal Studios				\$ 73,533	\$ 7,353	\$ 66,180
Subtotal for Additional Sites (Amendment No. 30)				\$ -	\$ -	\$ 73,533	\$ 7,353	\$ 66,180
ADDITIONAL SITES (AMENDMENT NO. 34)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	INDWT	Industry Water Tank				\$ 60,655	\$ 6,066	\$ 54,590
Subtotal for Additional Sites (Amendment No. 34)				\$ -	\$ -	\$ 60,655	\$ 6,066	\$ 54,590
ADDITIONAL SITES (AMENDMENT NO. 35)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	WWY	Winding Way				\$ -	\$ -	\$ -
Subtotal for Additional Sites (Amendment No. 35)				\$ -	\$ -	\$ -	\$ -	\$ -
ADDITIONAL SITES (AMENDMENT NO. 36)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	SPH	San Pedro Hill				\$ 74,490	\$ 7,449	\$ 67,041
Subtotal for Additional Sites (Amendment No. 36)				\$ -	\$ -	\$ 74,490	\$ 7,449	\$ 67,041
ADDITIONAL SITES (AMENDMENT NO. 50)								
B.4.2.2		Site Installation Test Acceptance						
B.4.2.2	ESR	East Sunset Ridge				\$ 165,624	\$ 16,562	\$ 149,062
Subtotal for Additional Sites (Amendment No. 50)						\$ 165,624	\$ 16,562	\$ 149,062
B.4.1.1.1.5		Consoles	9	\$ -	\$ -	\$ 58,462	\$ 5,846	\$ 52,616
B.4.1.1.1.5		Logging Recorder	1	\$ -	\$ -	\$ 6,496	\$ -	\$ 6,496
B.4.1.1.1.7		System Management and Monitoring Subsystem	1	\$ -	\$ -	Included in Phase 3		
B.1.15		Inventory and Maintenance Tracking Subsystem		\$ -	\$ -	Included in Phase 3		
B.4.3		Training		\$ -	\$ -	Included		
B.4.1.2		Spares and Test Equipment	1	\$ -	\$ -	Included		
B.4.2		Acceptance Testing	1	\$ -	\$ -			
B.4.2.3		Functional Test Acceptance	1	\$ -	\$ -	\$ 423,142	\$ 42,314	\$ 380,828
B.4.2.4		Special Operational Test Acceptance	1	\$ -	\$ -	\$ 458,404	\$ 45,840	\$ 412,563
B.4.2.5		Voice System Testing Acceptance	1	\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.4.2.6		Stress Test Acceptance	1	\$ -	\$ -	\$ 10,000	\$ 1,000	\$ 9,000
B.4.2.8		Voice Wide Area Coverage Test Acceptance		\$ -	\$ -			
B.4.2.8.Zone 1		Basin Zone Coverage Test Acceptance	1	\$ -	\$ -	\$ 578,294	\$ 57,829	\$ 520,465
B.4.2.8.Zone 2		Northern Desert Coverage Test Acceptance	1	\$ -	\$ -	\$ 518,349	\$ 51,835	\$ 466,514
B.4.2.8.Zone 3		Angeles National Forest Coverage Test Acceptance	1	\$ -	\$ -	\$ 444,299	\$ 44,430	\$ 399,869
B.4.2.8.Zone 4		Santa Monica Mountains Coverage Test Acceptance	1	\$ -	\$ -	\$ 296,199	\$ 29,620	\$ 266,579
B.4.2.8.Zone 5		CA-14 Corridor Coverage Test Acceptance	1	\$ -	\$ -	\$ 296,199	\$ 29,620	\$ 266,579
B.4.2.8.Zone 6		Foothills Coverage Test Acceptance	1	\$ -	\$ -	\$ 296,199	\$ 29,620	\$ 266,579
B.4.2.8.Zone 7		Catalina Island Coverage Test Acceptance	1	\$ -	\$ -	\$ 222,150	\$ 22,215	\$ 199,935
B.4.2.9		Voice Aerial Coverage Test Acceptance	1	\$ -	\$ -	\$ 105,786	\$ 10,579	\$ 95,207
B.4.2.10		Voice Waterway Coverage Test Acceptance	1	\$ -	\$ -	\$ 62,250	\$ 6,225	\$ 56,025
B.4.2.13		Voice Railway Coverage Test Acceptance	1	\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.14		Voice Freeway Coverage Test Acceptance	1	\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.4.2.15		Voice Subscriber Access Test Acceptance	1	\$ -	\$ -	\$ 105,786	\$ 10,579	\$ 95,207
B.4.2.17		Voice System Burn-in Test Acceptance	1	\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.4.2.18.1		NMDN Throughput Test Acceptance	1	\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.4.2.18.2		NMDN Wide Area Coverage Test Acceptance		\$ -	\$ -			
B.4.2.18.2.Zone 1		Basin Zone Coverage Test Acceptance	1	\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.4.2.18.2.Zone 2		Northern Desert Coverage Test Acceptance	1	\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.18.2.Zone 3		Angeles National Forest Coverage Test Acceptance	1	\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.18.2.Zone 4		Santa Monica Mountains Coverage Test Acceptance	1	\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.18.2.Zone 5		CA-14 Corridor Coverage Test Acceptance	1	\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.18.2.Zone 6		Foothills Coverage Test Acceptance	1	\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.18.2.Zone 7		Catalina Island Coverage Test Acceptance	1	\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.4.2.18.5		NMDN Data Aerial Coverage Test Acceptance	1	\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.4.2.18.6		NMDN Fire Stn & Parking Coverage Test Acceptance	1	\$ -	\$ -	\$ -	\$ -	\$ -
B.4.2.18.7		NMDN Freeway Coverage Test Acceptance	1	\$ -	\$ -	\$ 196,344	\$ 19,634	\$ 176,709
B.4.2.18.8		NMDN Waterway Coverage Test Acceptance	1	\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.18.9		NMDN Projected Load Test Acceptance	1	\$ -	\$ -	\$ 0	\$ 0	\$ 0
B.4.2.18.10		NMDN CAD Baseline System Test Acceptance	1	\$ -	\$ -	\$ 52,893	\$ 5,289	\$ 47,603
B.4.2.18.11		NMDN Burn-in Test Acceptance	1	\$ -	\$ -	\$ (0)	\$ (0)	\$ (0)
B.4.4.1		Final Migration/Cutover Plan Delivered		\$ -	\$ -	Included	\$ -	\$ -
B.4.5		Final System Support Plan Delivered		\$ -	\$ -	Included	\$ -	\$ -
B.4.6		Final Disaster Recovery Plan Delivered		\$ -	\$ -	Included	\$ -	\$ -

EXHIBIT C.5 - SCHEDULE OF PAYMENTS

PHASE 4 - LMR SYSTEM IMPLEMENTATION

Deliverable/Task /Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Site ID	Deliverable	Phase 4 Total					
			Qty.	Unilateral Option Sum for Site Installation Only	Unilateral Option Sum for Acceptance Including Project Management <i>(Note 1)</i>	Contract Sum - Payable Amount for Phase 4 <i>(Note 8)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.4.7		Final Special Event Plans Delivered		\$ -	\$ -	Included	\$ -	\$ -
B.4.8/Base.11.2.1		Final LMR System Acceptance		\$ -	\$ -	As provided for in Base.11.2.1	\$ -	\$ -
B.4.9		Final Warranty Plan Delivered		\$ -	\$ -	Included	\$ -	\$ -
		Credit for Services Performed in Phase 1	1	\$ -	\$ -	\$ -	\$ -	\$ -
		Project Management	1	\$ -	\$ -	Included as Reflected	\$ -	\$ -
Base.22.3.2		Performance Bond	1	\$ -	\$ -	\$ 99,722	\$ -	\$ 99,722
		Total Lease Costs		\$ -	\$ -	\$ -	\$ -	\$ -
Base.22.2.1		Liability Insurance (Professional and General)	1	\$ -	\$ -	\$ 527,500		\$ 527,500
B.4.10		Phase 4 Completion Acceptance		\$ -	\$ -	\$ 10,241,503	\$ 1,024,150	\$ 9,217,353
Total for Phase 4 - LMR System Implementation:				\$ -	\$ -	\$ 21,509,642	\$ 2,087,592	\$ 19,422,050

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

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

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

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

Note 4: Pursuant to Amendment No. Eleven, effective April 28, 2015, Exhibit C.4 (Schedule of Prices - LMR System Implementation) was amended by Amendment No. 11 to reflect the project administration costs for one (1) LMR System Site.

Note 5: Pursuant to Amendment No. Seventeen, thirty-four (34) LMR System Sites were removed from further consideration; nineteen (19) LMR System Sites were included as part of the LMR System; and Phase 4 Completion Acceptance was included. In connection therewith, and in addition to all activities contemplated in this Phase 4, Unilateral Option Sums, not previously exercised, were converted into Contract Sums.

Note 6: Pursuant to Amendment No. Eleven, effective April 28, 2015, Exhibit C.4 (Schedule of Prices - LMR System Implementation) was amended by Amendment No. 11 to reflect the project administration costs for one (1) LMR System Site.

Note 7: Pursuant to Amendment No. Nineteen, one (1) LMR System Site was removed from further consideration in Phases 1-4. Also, two (2) LMR System Sites were reconciled in Phases 2-4.

Note 8: Pursuant to Amendment No. Thirty-Two, two (2) LMR System Site were removed from further consideration in Phases 1-4.

Note 9: Pursuant to Amendment No. Thirty-Two, the per site NMDM costs contemplated in Phase 3 and Phase 4, have moved to a single line item in the amount of \$2,764,123. Resulting Discounts in the amount of \$582,086 have been captured in Exhibit C.15 (LMR Discounts), which will be applied at the discretion of the Authority.

SCHEDULE OF PAYMENTS

EXHIBIT C.17 - LMR CHANGE ORDER MODIFICATIONS

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

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

EXHIBIT C.17

Agreement No. LA-RICS 007 - Amended and Restated under Amendment No. 50

Change Order Number	Site ID	Item/Category	Contract Sum - Payable Amount	10% Holdback Amount	Payable Amount Less 10% Holdback Amount
Amendment No. 47					
MSI-6023	LARICS	LMR System Reconciliation - Engineering & Re-Racking Services	\$ 174,641	\$ 17,464	\$ 157,177
MSI-6045	ONK	Add ONK Prime Site and ASR	\$ 438,279	\$ 43,828	\$ 394,451
MSI-6040	RIH	Soil Removal	\$ 41,676	\$ 4,168	\$ 37,508
MSI-6031	BHS	Soil Removal	\$ 41,577	\$ 4,158	\$ 37,419
MSI-6042	LPC	Soil Removal	\$ 41,854	\$ 4,185	\$ 37,668
MSI-6041	MDI	Soil Sampling	\$ 10,134	\$ 1,013	\$ 9,120
MSI-6034	RHT	Additional Topography	\$ 3,733	\$ 373	\$ 3,360
Amendment No. 47 Subtotal			\$ 751,893	\$ 75,189	\$ 676,704
Amendment No. 48					
MSI-6064	AGH	Easement Payment	\$ 4,055	\$ 406	\$ 3,650
MSI-6062	TOP	Monopole Painted Neutral Brown	\$ 6,104	\$ 610	\$ 5,494
MSI-6050	LARICS	Core and Site Router/Switch Upgrade	\$ -	\$ -	\$ -
Amendment No. 48 Subtotal			\$ 10,159	\$ 1,016	\$ 9,143
Amendment No. 49					
MSI-6061	Various	New Antenna Models and Powder Coating	\$ 110,000	\$ 11,000	\$ 99,000
MSI-6067	MTL2	Removing impediments to road access caused by erosion to the site road, etc	\$ 260,007	\$ 26,001	\$ 234,006
MSI-6069	LARICS	Audio Loopback	\$ -	\$ -	\$ -
Amendment No. 49 Subtotal			\$ 370,007	\$ 37,001	\$ 333,006
Amendment No. 50					
MSI-6076	PRG/AGH	PRG Relocation to AGH for NMDN System	\$ 13,678	\$ 1,368	\$ 12,310
MSI-6077	PRG	VIAMM Implementation	\$ 38,615	\$ 3,862	\$ 34,754
MSI-6086	BJM/TWR	BJM & TWR Generator Noise Mitigation Engineering Assessment Services	\$ 221,211	\$ 22,121	\$ 199,090
MSI-6079	MML	MML Buried Concrete and Rebar Removal	\$ 101,604	\$ 10,160	\$ 91,444
Amendment No. 50 Subtotal			\$ 375,108	\$ 37,511	\$ 337,597
TOTAL FOR ALL LMR CHANGE ORDER MODIFICATIONS			\$ 2,661,901	\$ 266,190	\$ 2,395,711

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

SCHEDULE OF PAYMENTS

EXHIBIT C.20 - LMR BRIDGE WARRANTY

Deliverable/ Task No./ Subtask No./ Section No. (Exhibit A, B, or Base Document)	Sites	Deliverable	Contract Sum - Payable Amount
Specified Equipment Bridge Warranty Extension (AMENDMENT NO. 12)			
		SOW	\$ 57,720
		UHF Stations	\$ -
		700 MHz Stations	\$ -
		Satellite Terminal	\$ -
		PTP800 Backhaul	\$ -
		Motobridge	\$ -
		Station B	\$ 44,853
		UHF Stations	\$ -
		700 MHz Stations	\$ -
		Trailer	\$ -
		Satellite Terminal	\$ -
		PTP800 Backhaul	\$ -
		Motobridge	\$ -
		Early Equipment Shipment	\$ 351,772
		Core 1 & Repeater Sites	\$ -
		Core 2 Equipment	\$ 189,992
Base.22.3.2		Performance Bond for Specified Equipment Bridge Warranty	\$ 3,196
Total for Specified Equipment Bridge Warranty:			\$ 647,533
Early Deployment/Specified Equipment Bridge Warranty Extension (AMENDMENT NO. 34)			
		Bridge Warranty Extension for the Early Deployment/Specified Equipment (Through 12/31/2019)	\$ 430,800
Total for Early Deployment/Specified Equipment Bridge Warranty Extension:			\$ 430,800
Early Deployment/Specified Equipment Bridge Warranty Extension (AMENDMENT NO. 42)			
		Bridge Warranty Extension for the Early Deployment/Specified Equipment (Through 12/31/2020)	\$ 312,897
Total for Early Deployment/Specified Equipment Bridge Warranty Extension:			\$ 312,897
Early Deployment/Specified Equipment Bridge Warranty Extension (AMENDMENT NO. 50)			
		Bridge Warranty Extension for the Early Deployment/Specified Equipment (Through 12/31/2021)	\$ 393,906
Total for Early Deployment/Specified Equipment Bridge Warranty Extension:			\$ 393,906
TOTAL FOR ALL LMR BRIDGE WARRANTY			\$1,785,136